

**WATER CATEGORY**  
**PROJECT SHEETS**

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach  
 Capital Improvements Project (CIP)  
 FY 2020-2024



DOW FILMTEC XLE 440i  
 Photo: bigbrandwater.com

Date	
<b>NEW</b>	<b>ONGOING</b>
<b>X</b>	

Photo: Courtesy of waterworld.com

(1) Project Title:	Nano Filtration Membrane Replacement		
(2) Project Category:	WATER PROJECTS	(3) Project Rating:	4
(4) Department:	Public Works	(5) Project Type:	Maintenance
(6) Division:	Utilities	(7) Project No.:	
(8) Project Location:	Water Treatment Plant	(9) Project Manager:	James Sylvain

(10) Funding Source:	Utilities: Water and Sewer Fund (490)						
(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							

Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$ 677,000					\$ 677,000
<b>TOTAL:</b>	\$0	\$677,000	\$0	\$0	\$0	\$0	\$677,000

**(12) Reference**

**(13) Project Description:**  
 R & R Membranes

**(14) Project Justification**  
 Beyond the eight (8) year life, Skid 2, Stage 2 is showing iron and salt passage now.

(15) Project Funding Sources	CURRENT		REQUEST		Notes
	FY 2018-2019		FY 2019-2020		
ALLOCATED FUNDS/ACCOUNT NUMBER					
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
<b>Total Allocated Funds</b>	\$	-	\$	-	

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$0	\$0	\$0	
	\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

(18) Operating Budget Impact	(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact
Incr./(Decr.) Personnel Cost:	\$ -
Incr./(Decr.) Operating Cost:	\$ -
Incr./(Decr.) Department Capital Outlay:	\$ -
<b>Total Impact:</b>	\$ -

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach  
Capital Improvements Project (CIP)  
FY 2020-2024



Hallandale Beach—WTP, Degasifiers

Photo: <http://dardel.info/IX/processes/degasser.html>

Date	
<b>NEW</b>	<b>ONGOING</b>
<b>X</b>	

(1) Project Title:	Degasifier Packing Media Replacement						
(2) Project Category:	WATER PROJECTS	(3) Project Rating:	4				
(4) Department:	Public Works	(5) Project Type:	Maintenance				
(6) Division:	Utilities	(7) Project No.:					
(8) Project Location:	Water Treatment Plant	(9) Project Manager:	James Sylvain				
(10) Funding Source:	Utilities: Water and Sewer Fund (490)						

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							
Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$ 125,000					\$ 125,000
<b>TOTAL:</b>	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000

**(12) Reference**

(13) Project Description:  
R & R Media

(14) Project Justification  
Current media has heavy deposits of iron reducing the aeration effectiveness, that is , the ability to degas.

(15) Project Funding Sources	CURRENT		REQUEST		Notes
	ALLOCATED FUNDS/ACCOUNT NUMBER	FY 2018-2019	FY 2019-2020		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
<b>Total Allocated Funds</b>		\$ -	\$ -		

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$0	\$0	\$0	
	\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

(18) Operating Budget Impact	(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact
Incr./((Decr.) Personnel Cost:	\$ -
Incr./((Decr.) Operating Cost:	\$ -
Incr./((Decr.) Department Capital Outlay:	\$ -
<b>Total Impact:</b>	\$ -

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach  
Capital Improvements Project (CIP)  
FY 2020-2024



<https://www.pureaqua.com/what-is-reverse-osmosis-ro/>

Date	
<b>NEW</b>	<b>ONGOING</b>
<b>X</b>	

(1) Project Title:	Membrane Skid No.3						
(2) Project Category:	WATER PROJECTS			(3) Project Rating:	4		
(4) Department:	Public Works			(5) Project Type:			
(6) Division:	Utilities			(7) Project No.:			
(8) Project Location:	Water Treatment Plant			(9) Project Manager:	James Sylvain		
(10) Funding Source:	Utilities: Water and Sewer Fund (490)						

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							
Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$0				\$5,006,000	\$ 5,006,000
<b>TOTAL:</b>	\$0	\$0	\$0	\$0	\$0	\$5,006,000	\$5,006,000

**(12) Reference**

**(13) Project Description:**  
Ability to use the Floridan Aquifer as a water source.

**(14) Project Justification**  
Water source restrictions could require us to get water from the Floridan Aquifer, this water requires RO Treatment. It will also be required when/if our City Well(s) become "salty" due to salt water intrusion.

(15) Project Funding Sources	CURRENT		REQUEST		Notes
	ALLOCATED FUNDS/ACCOUNT NUMBER	FY 2018-2019	FY 2019-2020		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
<b>Total Allocated Funds</b>		\$ -	\$ -		

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$0	\$0	\$0	
	\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

(18) Operating Budget Impact	(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact
Incr./.(Decr.) Personnel Cost:	\$ -
Incr./.(Decr.) Operating Cost:	\$ -
Incr./.(Decr.) Department Capital Outlay:	\$ -
<b>Total Impact:</b>	\$ -

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach  
Capital Improvements Project (CIP)  
FY 2020-2024



Date	
<b>NEW</b>	<b>ONGOING</b>
<b>X</b>	

(1) Project Title:	Membrane Plant and Generator Building A/C Units						
(2) Project Category:	WATER PROJECTS			(3) Project Rating:	4.3		
(4) Department:	Public Works			(5) Project Type:			
(6) Division:	Utilities			(7) Project No.:			
(8) Project Location:	Water Treatment Plant			(9) Project Manager:	John Fawcett		
(10) Funding Source:	Utilities: Water and Sewer Fund (490)						

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							

Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$ 56,000					\$56,000
<b>TOTAL:</b>	\$0	\$56,000	\$0	\$0	\$0	\$0	\$56,000

(12) Reference

(13) Project Description:  
R & R

(14) Project Justification  
New A/C Units are now required - Old units have high maintenance costs in part due to banded refrigerent.

(15) Project Funding Sources	CURRENT		REQUEST		Notes
	ALLOCATED FUNDS/ACCOUNT NUMBER		FY 2018-2019	FY 2019-2020	
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
<b>Total Allocated Funds</b>		\$ -	\$ -		

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$0	\$0	\$0	
	\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

(18) Operating Budget Impact	(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact		
Incr./(Decr.) Personnel Cost:	\$ -		
Incr./(Decr.) Operating Cost:	\$ -		
Incr./(Decr.) Department Capital Outlay:	\$ -		
<b>Total Impact:</b>	\$ -		

PROJECT FUNDING REQUEST FORM -							
City of Hallandale Beach							
Capital Improvements Project (CIP)							
FY 2020-2024							
Date		<a href="https://www.ispfence.com/security-gates">https://www.ispfence.com/security-gates</a>					
<b>NEW</b>	<b>ONGOING</b>	<a href="https://knight-enterprises.com/reviews/home-security-customer-reviews/security-camera-3/">https://knight-enterprises.com/reviews/home-security-customer-reviews/security-camera-3/</a>					
<b>X</b>		<a href="https://ryalex.com.au/solution/relocatable-solar-cameras/">https://ryalex.com.au/solution/relocatable-solar-cameras/</a>					
(1) Project Title:	WTP Security Risk						
(2) Project Category:	WATER PROJECTS	(3) Project Rating:	4				
(4) Department:	Public Works	(5) Project Type:					
(6) Division:	Utilities	(7) Project No.:					
(8) Project Location:	Water Treatment Plant	(9) Project Manager:	James Sylvain				
(10) Funding Source:	Utilities: Water and Sewer Fund (490)						
(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							
Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$ 266,000					\$ 266,000
<b>TOTAL:</b>	\$0	\$266,000	\$0	\$0	\$0	\$0	\$266,000
<b>(12) Reference</b>							
<b>(13) Project Description:</b> Security Improvements							
<b>(14) Project Justification</b> Improve Compound Security.							
<b>(15) Project Funding Sources</b>							
		CURRENT		REQUEST			
ALLOCATED FUNDS/ACCOUNT NUMBER		FY 2018-2019		FY 2019-2020		Notes	
		\$ -		\$ -			
		\$ -		\$ -			
		\$ -		\$ -			
		\$ -		\$ -			
		\$ -		\$ -			
<b>Total Allocated Funds</b>		<b>\$ -</b>		<b>\$ -</b>			
<b>(16) FY 2018-2019 SUMMARY</b>			<b>Encumbrances</b>	<b>Actual</b>	<b>Total</b>	<b>Notes</b>	
			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
			\$ -	\$ -	\$ -		
<b>Total Project Commitments</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		
<b>(18) Operating Budget Impact</b>			<b>(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact</b>				
Incr./ (Decr.) Personnel Cost:	\$	-					
Incr./ (Decr.) Operating Cost:	\$	-					
Incr./ (Decr.) Department Capital Outlay:	\$	-					
<b>Total Impact:</b>	\$	-					

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach  
Capital Improvements Project (CIP)  
FY 2020-2024



Date	
<b>NEW</b>	<b>ONGOING</b>
<b>X</b>	

(1) Project Title:	Alternative Water Supply - Phase 1 - C51 Canal					
(2) Project Category:	WATER PROJECTS			(3) Project Rating:	3.56	
(4) Department:	Public Works			(5) Project Type:		
(6) Division:	Utilities			(7) Project No.:		
(8) Project Location:	Water Treatment Plant			(9) Project Manager:	James Sylvain	
(10) Funding Source:	Utilities: Water and Sewer Fund (490)					

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							

Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$ -	\$4,600,000				\$ 4,600,000
<b>TOTAL:</b>	\$0	\$0	\$4,600,000	\$0	\$0	\$0	\$4,600,000

**(12) Reference**

**(13) Project Description:**  
Alternative Water Supply.

**(14) Project Justification**  
City Well production is limited due to restrictions from the South Florida Water Management District.

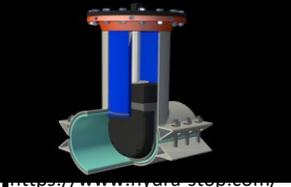
ALLOCATED FUNDS/ACCOUNT NUMBER	CURRENT		REQUEST		Notes
	FY 2018-2019		FY 2019-2020		
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
<b>Total Allocated Funds</b>	\$	-	\$	-	

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$0	\$0	\$0	
	\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

(18) Operating Budget Impact	(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact
Incr./(Decr.) Personnel Cost:	\$ -
Incr./(Decr.) Operating Cost:	\$ -
Incr./(Decr.) Department Capital Outlay:	\$ -
<b>Total Impact:</b>	\$ -

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach  
 Capital Improvements Project (CIP)  
 FY 2020-2024



<http://www.mccainww.com/advanced-valve-tenologies/>

Date	
<b>NEW</b>	<b>ONGOING</b>
<b>X</b>	

(1) Project Title:	Water Main Insertion Valves		
(2) Project Category:	WATER PROJECTS	(3) Project Rating:	3.11
(4) Department:	Public Works	(5) Project Type:	
(6) Division:	Utilities	(7) Project No.:	
(8) Project Location:	Water Treatment Plant	(9) Project Manager:	James Sylvain
(10) Funding Source:	Utilities: Water and Sewer Fund (490)		

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							

Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000		\$ 400,000
<b>TOTAL:</b>	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$400,000

**(12) Reference**

**(13) Project Description:**  
 Water Mains Valves Insertion.

**(14) Project Justification**  
 To isolate sections of water mains, thus affecting less residents during repairs.

(15) Project Funding Sources	CURRENT		REQUEST		Notes
	ALLOCATED FUNDS/ACCOUNT NUMBER	FY 2018-2019	FY 2019-2020		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
		\$ -	\$ -		
<b>Total Allocated Funds</b>		\$ -	\$ -		

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$0	\$0	\$0	
	\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

<b>(18) Operating Budget Impact</b>	<b>(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact</b>		
Incr./((Decr.) Personnel Cost:	\$ -		
Incr./((Decr.) Operating Cost:	\$ -		
Incr./((Decr.) Department Capital Outlay:	\$ -		
<b>Total Impact:</b>	\$ -		

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach  
 Capital Improvements Project (CIP)  
 FY 2020-2024



<https://www.epa.gov/dwsixyearreview/drinking-water-distribution-systems>



Date	
<b>NEW</b>	<b>ONGOING</b>
<b>X</b>	

(1) Project Title:	Water Distribution Upgrades		
(2) Project Category:	WATER PROJECTS	(3) Project Rating:	4.2
(4) Department:	Public Works	(5) Project Type:	
(6) Division:	Utilities	(7) Project No.:	
(8) Project Location:	Water Plant	(9) Project Manager:	James Sylvain
(10) Funding Source:	Utilities: Water and Sewer Fund (490)		

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							
Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$500,000	\$500,000	\$500,000	\$0	\$0	\$1,500,000
<b>TOTAL:</b>	\$0	\$500,000	\$500,000	\$500,000	\$0	\$0	\$1,500,000

**(12) Reference**

**(13) Project Description:**  
 City wide water mains upgrade.

**(14) Project Justification**  
 Upgrade distribution system by replacing old smaller diameter asbestos pipes with C900 lager mains to increase capacity and meet fire flow demands.

(15) Project Funding Sources	CURRENT		REQUEST		Notes
	FY 2018-2019		FY 2019-2020		
ALLOCATED FUNDS/ACCOUNT NUMBER					
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
<b>Total Allocated Funds</b>	\$	-	\$	-	

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$0	\$0	\$0	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

(18) Operating Budget Impact	(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact
Incr./(Decr.) Personnel Cost:	\$ -
Incr./(Decr.) Operating Cost:	\$ -
Incr./(Decr.) Department Capital Outlay:	\$ -
<b>Total Impact:</b>	\$ -

PROJECT FUNDING REQUEST FORM -							
City of Hallandale Beach Capital Improvements Project (CIP) FY 2020-2024							
Date	11/27/2018						
NEW	ONGOING						
	X						
(1) Project Title:	High Service Pumps and Transfers Pumps Improvements						
(2) Project Category:	WATER PROJECTS			(3) Project Rating:	4.22		
(4) Department:	Public Works			(5) Project Type:	Water		
(6) Division:	Utilities			(7) Project No.:	P1606		
(8) Project Location:	Water Treatment Plant 630 NW 2nd St.			(9) Project Manager:	Aqeel A. Ghany		
(10) Funding Source:	Utilities: Water and Sewer Fund (490)						
(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding		\$5,209,069					
Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL:</b>	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$3,000,000.00
<b>(12) Reference</b>							
<b>(13) Project Description:</b>							
<p>This project has two phases: Phase 1 -High Service Pumps and Phase 2 Transfer Pumps. This project consists of replacement of existing high service pumps and transfer pumps for the water treatment plant. Design for Phase 1 was \$400,000 budgeted in FY 15-16. The preliminary construction cost for Phase 1 is \$2.7 million and is budgeted over two years: \$1,350,000 for FY 16-17 and \$1,350,000 for FY 2017-18. However, on 2/13/18 Hazen and Sawyer indicated that the construction for the High Service Pump(HSP) will cost an additional \$1.9 million (total \$4.6 million). Phase 2 was budgeted for \$300,000 for design in FY 17-18 and for \$2,077,391 for construction in FY 18-19, however since the budget for the High Service Pump increased the City needs to allocate funding from the Transfer pump project to the HSP. The City will also need to request additional funding for the Transfer Pump project for FY 20-21.</p>							
<b>(14) Project Justification</b>							
<p>The existing service pumps and transfer pumps are beyond the end of their normal useful lives which is typically 20-30 years. The goal is to maximize utilization of existing infrastructure, meet projected population growth and new development requirements. The new pumps are energy efficiency and will reduce annual operational costs.</p>							
<b>(15) Project Funding Sources</b>							
				CURRENT		REQUEST	
ALLOCATED FUNDS/ACCOUNT NUMBER				FY 2018-2019		FY 2019-2020	
Fund	Org	Object	\$		\$		Notes
490	3320W	531010	\$	221,440	\$	-	
490	3320W	565000	\$	4,987,629	\$	3,000,000	
Sub Total			\$	5,209,069	\$	-	
			\$	-	\$	-	
			\$	-	\$	-	
Total Allocated Funds			\$	5,209,069	\$	3,000,000	
<b>(16) FY 2018-2019 SUMMARY</b>							
				Encumbrances	Actual	Total	Notes
490-3320W-531010				\$201,602.90	\$19,836.85	\$221,440	
490-3320W-565000				\$ 4,987,628.00	\$ -	\$4,987,628	
Total Project Commitments				\$ -	\$ -	\$5,209,067.75	
<b>(18) Operating Budget Impact</b>				<b>(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact</b>			
Incr./((Decr.) Personnel Cost:			\$	-			
Incr./((Decr.) Operating Cost:			\$	(2,620,000.00)	This is an estimated cost saving		
Incr./((Decr.) Department Capital Outlay:			\$	-			
Total Impact:			\$	(2,620,000.00)			

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach Capital Improvements Project (CIP) FY 2020-2024		
Date	2/15/2019	
<input checked="" type="checkbox"/> <b>NEW</b> <input type="checkbox"/> <b>ONGOING</b>	<input type="checkbox"/> <b>NEW</b> <input checked="" type="checkbox"/> <b>ONGOING</b>	

(1) Project Title:	Foster Road Water Main		
(2) Project Category:	WATER PROJECTS	(3) Project Rating:	4.33
(4) Department:	Public Works	(5) Project Type:	Utility / Piping
(6) Division:	Utilities	(7) Project No.:	P1705
(8) Project Location:	TBD	Project Manager:	James Sylvain
(10) Funding Source:	Utilities: Water and Sewer Fund (490)		

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
<b>Available Funding</b>							
Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other ( Grant money)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
<b>TOTAL:</b>	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

**(12) Reference**

**(13) Project Description:**  
 Upgrade the water main infrastructure along foster Rd between NW 9th St and NW 4th Ave.

**(14) Project Justification**  
 Based on the hydraulic model from Hazen and Sawyer in 2015 this area was indicated to have a low flow for fire protection. Based on that study we will upgrade the water main infrastructure.

(15) Project Funding Sources			CURRENT	REQUEST	
ALLOCATED FUNDS/ACCOUNT NUMBER			FY 2018-2019	FY 2019-2020	Notes
Fund	Org	Object			
490	3330W	565000		\$ -	
490	3390W	531010	\$ 200,000	\$ 1,500,000	
				\$ -	
			\$ -	\$ -	
<b>Total Allocated Funds</b>			<b>\$ 200,000</b>	<b>\$ 1,500,000</b>	

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$ -	\$ -	\$0	
	\$ -	\$ -	\$0	
<b>Total Project Commitments</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	

(18) Operating Budget Impact	(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact
Incr./(Decr.) Personnel Cost:	\$ -
Incr./(Decr.) Operating Cost:	\$ -
Incr./(Decr.) Department Capital Outlay:	\$ -
<b>Total Impact:</b>	<b>\$ -</b>

**PROJECT FUNDING REQUEST FORM -**

City of Hallandale Beach  
Capital Improvements Project (CIP)  
FY 2020-2024



Date	
<b>NEW</b>	<b>ONGOING</b>
<b>X</b>	

(1) Project Title:	WTP Rehabilitation of Lime Plant Softening Units						
(2) Project Category:	WATER PROJECTS			(3) Project Rating:	4.22		
(4) Department:	Public Works			(5) Project Type:			
(6) Division:	Utilities			(7) Project No.:			
(8) Project Location:	Water Plant			(9) Project Manager:	James Sylvain		
(10) Funding Source:	Utilities: Water and Sewer Fund (490)						

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding							

Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$0	\$90,000	\$90,000	\$0	\$0	\$0	\$ 180,000
<b>TOTAL:</b>	<b>\$0</b>	<b>\$90,000</b>	<b>\$90,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$180,000</b>

**(12) Reference**

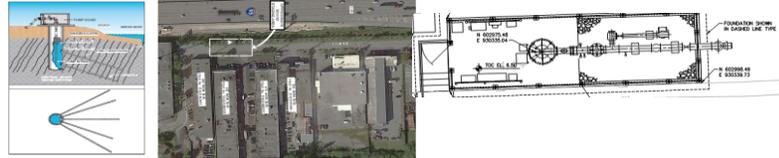
**(13) Project Description:**  
Rehabilitate One Unit per Year: "Sand-Blast" complete interior wall and all components above and below the normal water line of each Water Softening Unit. Inspect and repair any rusted area(s). Repairs will include, but are not limited to: Welding in new braces, brackets, patches, including on the overflow weirs. Repaint both units using approved methods and materials, to be specified in scope.

**(14) Project Justification**  
Both Softening units were last refurbished in 2005, it is recommended that this rehabilitation of the units be completed every ten (10) years. Wear and tear are obvious on the units now.

(15) Project Funding Sources	CURRENT		REQUEST		Notes
	FY 2018-2019		FY 2019-2020		
ALLOCATED FUNDS/ACCOUNT NUMBER					
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
<b>Total Allocated Funds</b>	<b>\$</b>	<b>-</b>	<b>\$</b>	<b>-</b>	

<b>(16) FY 2018-2019 SUMMARY</b>	<b>Encumbrances</b>	<b>Actual</b>	<b>Total</b>	<b>Notes</b>
	\$0	\$0	\$0	
	\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

<b>(18) Operating Budget Impact</b>	<b>(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact</b>		
Incr./(Decr.) Personnel Cost:	\$	-	
Incr./(Decr.) Operating Cost:	\$	-	
Incr./(Decr.) Department Capital Outlay:	\$	-	
<b>Total Impact:</b>	\$	-	

PROJECT FUNDING REQUEST FORM - Raw Water Well #9							
City of Hallandale Beach Capital Improvements Project (CIP) FY 2020-2024							
Date							
NEW	ONGOING						
	X						
(1) Project Title:	Raw Water Well #9 ( Work authorization #30)						
(2) Project Category:	WATER PROJECTS			(3) Project Rating:	4.8		
(4) Department:	Public Works			(5) Project Type:	Water		
(6) Division:	Utilities			(7) Project No.:	P1907		
(8) Project Location:	Adjacent to I-95			(9) Project Manager:	Aqeel Abdool-Ghany		
(10) Funding Source:	Utilities: Water and Sewer Fund (490)						
(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding	\$1,000,000						
Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$ 1,000,000
<b>TOTAL:</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>
<b>(12) Reference</b>							
<b>(13) Project Description:</b>							
<p>The CITY has decided to continue utilizing CITY water to the longest extent possible by incorporating provisions to the existing water treatment plant that can accommodate higher salinity raw water. As a precaution to safeguard against future potential intrusion of saltwater into the CITY's wellfield, the CITY will install one reverse osmosis (RO) skid within the existing membrane treatment facility, capable of treating potentially increasingly saline raw water. The skid will be designed with the flexibility to provide redundancy to the existing skids that treat Broward County Regional Wellfield Supply (BCRWS) as well as treat the CITY's existing wells. Additional treatment, including chemical systems, to provide stability to the finished water prior to distribution will also be included in this project. Furthermore, the CITY also requests that chemical systems be updated as documented in the July 25, 2013 technical memorandum (TM) entitled "Ground Water Rule Compliance Evaluation Update" for compliance with the Ground Water Rule be included in the design. As part of this project, CITY will extend the saltwater monitoring network as previously required by the South Florida Water Management District (SFWMD) in the CITY's ongoing Water Use Permit (WUP) application. The saltwater monitoring network will be designed to locate the saltwater interface and provide monitoring locations to track movement of the salt front, in the vicinity of the CITY's Well Nos. 7 and 8. The purpose of the saline intrusion monitoring (SALT) program is to provide an early warning monitoring system that will assist users in tracking the location and possible movement of the saltwater front. Additionally, the CITY is considering locating an additional Biscayne Aquifer production well (PW) No. 9 within the CITY limits. The CITY has not identified the location for the well. The CITY has requested that the services for assessing the site, designing/permitting, be completed as part of this initial work authorization. The CITY has requested that the design of the pipeline and the construction oversight of the RO skid, PW No. 9 and associated pipeline be completed under future amendments to this work authorization.</p>							
<b>(14) Project Justification</b>							
Per the City's Manager quarterly Capital Improvements Projects meeting on January 24th, 2019 it was agreed on that the 5 projects associated with project number 10331 will be divided into separate projects. i.e. P1907							
<b>(15) Project Funding Sources</b>							
ALLOCATED FUNDS/ACCOUNT NUMBER		CURRENT FY 2018-2019		REQUEST FY 2019-2020		Notes	
490-3320W-565000		\$ 1,000,000.00				for construction of well #9	
		\$ -		\$ -			
		\$ -		\$ -			
		\$ -		\$ -			
		\$ -		\$ -			
<b>Total Allocated Funds</b>		<b>\$ 1,000,000</b>		<b>\$ -</b>			
<b>(16) FY 2018-2019 SUMMARY</b>				<b>Encumbrances</b>	<b>Actual</b>	<b>Total</b>	<b>Notes</b>
				\$ -	\$ -	\$ -	
				\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>(18) Operating Budget Impact</b>				<b>(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact</b>			
Incr./ (Decr.) Personnel Cost: \$ -							
Incr./ (Decr.) Operating Cost: \$ -							
Incr./ (Decr.) Department Capital Outlay: \$ -							
Total Impact: \$ -							

**PROJECT FUNDING REQUEST FORM - Raw Water Well #9 Pipeline**

City of Hallandale Beach  
 Capital Improvements Project (CIP)  
 FY 2020-2024



Date	
<b>NEW</b>	<b>ONGOING</b>
	<b>X</b>

(1) Project Title:	Raw Water Well #9 Pipeline (CCNA CGA)		
(2) Project Category:	WATER PROJECTS	(3) Project Rating:	4.8
(4) Department:	Public Works	(5) Project Type:	Water
(6) Division:	Utilities	(7) Project No.:	P1908
(8) Project Location:	Well #9 to Well #8	(9) Project Manager:	Aqeel Abdool-Ghany
(10) Funding Source:	Utilities: Water and Sewer Fund (490)		

(11) Project Years:	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
Available Funding	\$171,274						
Pre-Construction Activities	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outside Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land Acquisition/Site Prep	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permit Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impact Fee's	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment/Furnishings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
City Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other (Specify Below)	\$171,274	\$0	\$0	\$0	\$0	\$0	\$ 171,274
<b>TOTAL:</b>	<b>\$171,274</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$171,274</b>

(12) Reference

(13) Project Description:  
 In accordance to resolution #2014-138, RFP# FY 2013-2014-006 Continuing Professional Services, the following scope of services is provided by Calvin, Giordano & Associates, Inc. (CGA) as requested by the City of Hallandale Beach (CITY) for the above reference project. This proposal, when executed, shall be incorporated in and become an integral part of the Agreement for professional services between CITY and CGA, the Continuing Contract, hereafter referred to as the Agreement. The CITY desires the design, permitting & bidding plans for approx. 3,000 LF of new 12" raw water pipeline from Production Well No. 9 (PW-9) (designed by others) to an interconnection with the existing 12" raw water pipeline at Production Well No. 8 (PW-8).

(14) Project Justification  
 The Pipeline ins needed to connect Well # 9 to production well #8. complying is SFWMD permit. Also, Per the City's Manager quarterly Capital Improvements Projects meeting on January 24th, 2019 it was agreed on that the 5 projects associated with project number 10331 will be divided into separate projects. ie P1908

(15) Project Funding Sources	CURRENT		REQUEST		Notes
	FY 2018-2019		FY 2019-2020		
ALLOCATED FUNDS/ACCOUNT NUMBER					
490-3320W-565010	\$	171,274.00	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
	\$	-	\$	-	
<b>Total Allocated Funds</b>	\$	<b>171,274</b>	\$	<b>-</b>	

(16) FY 2018-2019 SUMMARY	Encumbrances	Actual	Total	Notes
	\$0	\$0	\$0	
	\$ -	\$ -	\$ -	
<b>Total Project Commitments</b>	\$ -	\$ -	\$ -	

(18) Operating Budget Impact	(19) Describe Costs as One-time or Recurring or Savings , and provide years of impact
Incr./((Decr.) Personnel Cost:	\$ -
Incr./((Decr.) Operating Cost:	\$ -
Incr./((Decr.) Department Capital Outlay:	\$ -
<b>Total Impact:</b>	\$ -