

**CITY OF KEY COLONY BEACH UTILITY BOARD
REGULAR MEETING
MINUTES**

Tuesday, September 18, 2018 – 9:37 a.m. @ City Hall

Call to Order, Roll Call:

The regular meeting of the Utility Board was called to order at 9:30 a.m. by Board Chairman John Dalton. *Answering to roll call was:* John Dalton, Tom Harding, Mike Alexander, Tom DiFransico and Lin Walsh. *Excused:* Steve Flood

Also Present: City Administrator Chris Moonis, TLC Project Manager Eddie Ney, Mittauer & Associates Jason Shepler, Utility Clerk Pat Hyland, and Plant Manager Dave Evans. Public - 1

SRF WRF Improvements – Phase 2 Update:

- I. Contractual Matters** – TLC should finish up the second week of October. Three 8” pumps are scheduled to arrive in mid-December. The Performance Bond covers warranty and items which don’t work properly. The Bond is in place for one year, no matter if the project has been completed or not. Once the three pumps and q-vac have been installed, the discharge side will require some minor adjustments. The contract will stay in place. One item will be open on the punch list. Retainage of \$60,000 can be held back until final completion. Jason Shepler will write up a contract modification.

Motion – Moved by Board Member Tom Harding and seconded by Board Chair John Dalton to withhold \$60,000 from retainage payout until TLC installs pumps and make the required adjustments.

On the Motion: Unanimous Approval

- II. Permit Matters** - A quarterly update has been submitted by Mittauer & Associates to FDEP.

- III. Scheduling | Coordination / Technical Issues** –Air flow meters were started up once the cause of the ongoing problem issue was discovered and adjustments were made. TLC was able to start work again once that issue was resolved, and is holding to their aggressive schedule. Concrete has been poured on the top deck. Beams will be set next. The plant is still operating on half of the MBR tank. Cassettes should arrive next week and will be installed. Once they are installed the plant will be operating on the full MBR tank. An electrical surge occurred last week, which required resetting a breaker. The backup UPS was not working, and had to be replaced. Within the next two weeks, TLC should complete the project with the exception of replacing the pumps. The motor control room needs a larger a/c unit to cool down the room. The a/c requires to be upsized from a 9000 BTU to a 24000 BTU a/c unit. A change request would be needed to accommodate this item.

Motion – Moved by Board Member Tom Harding and seconded by Board member Mike Alexander, to approve a change request for the purchase of the a/c system up to a maximum of \$4,500.

On the Motion: Unanimous Approval

IV. Applications for Payment

- A. AFP Status – No issues at this time.
- B. Davis-Bacon Update (Payrolls) / Compliance

V. Shop Drawers

- A. No items at this time.

VI. Other Items

- A. UV Modification Proposal –
Motion – Moved by Chair John Dalton and seconded by Board Member Tom Harding to approve Mittauer & Associates agreement in the amount of \$13,500.00 with the conditions attached and give Chris Moonis immediate authority to read the agreement and approve.
On the Motion – Unanimous Approval
- B. FEMA Coordination – Jason Shepler of Mittauer & Associates will provide any information that is requested by FEMA

VII. Open Discussion

Next Meeting Discussion – the next Utility Board Meeting will take place on Tuesday, October 16, 2018 at 9:30 AM.

Eighth Street Stormwater Drainage Remediation – Jeff Sharp of Conch Wastewater explained his findings from running a camera in the drainage pipe. There is an area of blockage which will require a stronger jetting of the area to clear the pipe.

Motion – Moved by Chair John Dalton and seconded by Board Member Tom Harding to spend an additional \$300.00 to jet the area with a larger machine to clear the blockage.

On the Motion: – Roll Call Vote. Unanimous Approval

Approval of the Minutes: Regular Meeting, August 21, 2018

Motion – Moved by Chair John Dalton and seconded by Board member Lin Walsh, to approve minutes of the Regular Meeting, August 21, 2018.

On the Motion: Roll Call Vote. Unanimous Approval.

Utility Clerk Report – TLC Payment App #20 for July has been paid. SRF reimbursement request has been mailed out. TLC Payment App #21 for August, 2018 has been received. City administrative staff is scheduled to move into the new trailers next week. Quarterly Sewer invoices will be mailed out next week.

Operators Report: Included as part of the minutes.

Dave Evans provided a summary of activities for August. City Administrator Moonis asked if there were any mitigation items that would be needed. Mr. Evans indicated that a generator would be needed for the lift stations. Mr. Moonis suggested three mobile generators would provide the power necessary for all 15 lift stations in the City. Lift station lids

Chairs Report:

Hurricane Irma Update – Sewer Plant – Mitigation item discussed above.

Manhole Risers Update: Replace lids on lift station with locking lids to prevent flooding on 8 of the lift stations. Two lists will be prepared to show how many have been completed and how many are yet to be completed.

UV Building Bid – This item was discussed earlier in the meeting.

Stormwater 11th Street Project – Work has been completed and the City is awaiting the grant funds of \$100,000.00.

Mike Alexander has incurred costs of approximately \$3500 related to Stormwater drainage issues while working with the Recreation Committee to improve the tennis/pickle ball courts. It was determined that the Utility board should review and approve payment of these invoices since this is a Stormwater issue. An invoice in the amount of \$2670.00 from Mid Keys Sand & Rock requires approval by the Utility Board.

Motion – Moved by Chair John Dalton and seconded by Lin Walsh to approve payment of Mid Keys Sand & Rock invoice in the amount of \$2670.00.

On the Motion: - Unanimous Approval.

Treasurer's Report: Included as part of the minutes.

Financial Reports: The August Financial Reports for the Utilities are ready and available.

Waste Water/Sewer Warrant #0818: was approved in the amount of \$142,733.14.

Stormwater Warrant #0818: was approved in the amount of \$47,277.39

Any Other Business/Members Comments

The meeting adjourned at 11:15 am.

The next meeting will be on Tuesday, September 18, 2018 at 9:30AM

Respectfully Submitted by:

A handwritten signature in cursive script that reads "Pat Hyland".

Pat Hyland, Utility Clerk

*** Note: A mechanical recording has been made of the meeting of which these minutes are a part, and a copy is on file in the office of the Utility Clerk, as a public record.***

OPERATOR REPORT

August 2018

Plant Update:

1. Call Outs August 3rd 11:30 PM reset # 1 blower power blip. August 9th 8 PM Reset # 2 blower power blip. August 11th 4 PM reset # 2 blower power blip due to rain storm. August 11th 11:30 PM Surge tank high level alarm. Adjust flow to MBR wait for level to drop in surge tank.
2. August 2nd Custom Pumps repair # 1 mixing pump. Leaking oil from top of pump.
3. August 16th Install 2-inch water line to top of surge tank for fire hose to wash down tank.
4. August 16th Electrician installed timer on digester blower.
5. August 23rd Transfer over to side two. Start up new blowers and shut off old blowers. No auto control on new blowers Notified engineer.
6. T/N average to date is 4.98 Mg/l. Annual limit 3.0 Mg/l
7. Total gallons Hauled 41837 gallons.
8. Bubble test cassette # 43& 45
9. Wash Cassette B-1, A-1

R.O. Update:

1. Maintenance Budget for Re-Use (attached)

Collection system:

1. August 10th Check salinity at all lift stations. See attached report.
2. August 13th TV lateral at 880 Shelter Bay Dr. TV from building to property line. Looks like clean out at property line broken. Probably from hurricane clean up. Public Works to dig up and repair.
3. August 29th 10th street lift station power usage up. Pull pump and replace impeller and wear ring.

MAINTENANCE BUDGET FOR RE-USE									
Month of August 2018					Budgeted	Actual	Actual		
					Cost per Year	Cost/Month	Cost/year		
RO Power Cost KWH X 0.777200					\$8,000	\$607.97	\$3,684.06		
Irrigation Pumps Power Cost KWH X 0.777200						\$59.08	\$307.74		
Chemicals RO System Include Anti-scalent					\$9,000	\$128.65	\$11,408.45		
Extra Testing for DEP TSS, FECAL,					\$9,000	\$800.00	\$8,400.00		
Contingency					\$4,000	\$0.00	\$0.00		
Main & Repairs to system including pre filter cartridges.					\$3,000	\$150.22	\$8,329.09		
Consulting					\$7,000	\$0.00	\$4,626.25		
Insurance RO system/building					\$1,000	\$83.33	\$916.63		
Reserves					\$5,000	\$416.66	\$4,583.26		
Hours					Cost \$				
R.O. Power meter 7822.618					\$607.97	\$0.08			
Irrig pump Power Meter 760.22					\$59.08	\$0.08			
Monthly Total					\$667.06				
Gallons Produced					\$46,000	\$2,245.92	\$42,255.48	Total for year	
Cost per Gallon					\$3,833				
Month					Total/year	Total to date			
Gallons 1,116,000					10,359,400	41,479,170			
Cost / Gal \$0.002012					\$0.004079				
Cost /Thousand Gal \$2.01					\$4.08				

CITY OF KEY COLONY BEACH									
SALINITY TEST									
August 10, 2018									
TIDE +2.4									
start time	10:00:00 AM	end time	1:00:00 PM						
LIFT STATION		INVERT S	flow	INVERT N.	flow				
CORAL LANE				3.1 ppt		MH # 31	0.4 ppt		
CAUSEWAY NORTH	20.2.0 ppt			14.0 ppt	north	MH # 29	car parked on manhole		
CAUSEWAY SOUTH	No Flow			15.8 ppt	south	Terminal man hole	no flow		
					north	MH# 26	17.2 ppt		
3rd Street	East 0.4 ppt			1.6 ppt		MH # 18	0.9 ppt		
4th Street	0.5 PPT			1.3 PPT		MH# 21	0.5 PPT	Leak at lateral connection	270 4th street
5th Street	0.5 ppt			0.5 ppt					
7th Street	1.0 ppt			17.6 ppt		MH# 36	16.1 ppt	MH# 37	28.1 ppt
8th Street	5.4 ppt			0.3 ppt		MH# 41	0.3 ppt	unable to locate c/o	880 Shelter Bay
West Ocean Dr.	West 0.7 PPT			East 1.6 PPT		North 0.4	South 0.2	MH #4	1.9 from 8 st & 1.4 from W. Ocean
9th Street	7.9 ppt			0.8 ppt		MH# 48	0.3 PPT		
10th Street	4.0 ppt			6.5 ppt	south	MH # 55	4.8 ppt	MH # 54	0.3 ppt
					north	MH# 56	12.3 ppt	MH# 57	15.8 ppt
								MH # 58	terminal manhole
11th Street	3.2 ppt			10.2 ppt	north	MH # 63	8.0 ppt	MH# 64	17.5 ppt
								MH # 65	terminal manhole
12th Street	0.7 ppt			0.3 ppt					
13th Street	0.6 PPT								
14th Street	0.5 PPT								
Vista Del Sol	0.8 PPT								

Key Colony Beach WWTP

Hurricane Irma damage

Updated 9/17/18

Repairs needed Plant

1. Roof on control building needs replaced. Completed.
2. UV shed was destroyed needs replaced. In Progress. Waiting on bid documents for new UV and hoist for EQ pumps
3. Metal doors control building went under water 1-inch doors sticking need replaced. Door to storage room in lab needs replaced
4. All underground wire corroding should be replaced. Hall Electric price \$21,000 Completed under ground wire to top of plant. 8/16/18. Need to wire top of side one.
1. Repair or replace plant lift station control panel. Repairs in progress. Hall Electric
2. Replace and raise Goulds pump model 13A2-B w/motor. Pump for dewatering box flooded in storm
3. Replace and raise two Grundfos vertical in-line multi-stage pumps for golf course irrigation pump model # A98763904P11440626. Pumps flooded in storm

Repairs needed System

1. Replace lift station lids at Causeway North and West Ocean lift station. Completed.
2. Repair manhole 1st street manhole # 13 & 14. Completed 4/18
3. Raise control panel 9th & replace pole at 5th street lift station. \$8,000
4. Replace impellers on lift station pumps. Total 18 pumps. \$1,300 per impeller.
5. Replace lids on lift station with locking lids to prevent flooding on 8 of the lift stations. \$5,000 per station. 7th street new lid installed July 9th 2018