

**Hooksett Sewer Commission
Meeting Minutes
December 5, 2023**

This meeting was called to order at 12:00pm. Present were Chairman Sidney Baines, Commissioner Richard Bairam, Commissioner Robert Duhaime, Superintendent Ken Conaty, Assistant Superintendent John Clark and former Superintendent Bruce Kudrick.

Approve and Sign manifest

Approve meeting minutes: Commissioner Richard Bairam made motion to approve the regular meeting minutes and workshop minutes from November 21, 2023. Commissioner Robert Duhaime seconded. All in favor, the motion was carried unanimously.

Read Correspondence

Financial Report: None

Scheduled Appointments: None

Superintendent Conaty's Report:

Plant:

- Plant numbers are excellent

Solar:

- Assistant Superintendent John Clark went over the solar production sheet (attachment 1) with the sewer commission.

Phase 3A Plant Upgrades:

- The balance sheet is coming, waiting on Hiltz
- NHDES has put the HWWTF up for an EPA Pisces Award (attachment 2)

Force main replacement and Martin's Ferry pump station upgrades

- Working in design. Currently waiting for Underwood easement documents
- Contract for permitting (attachment 3) **

Dewatering Project:

- Met with Underwood 90% complete
- BDP is still sending submittals
- Engineering contract (attachment 4)**

TIF Project:

- Tri Town pump station is under construction
- Second wall pour was 10/6
- Third wall pour was 10/13
- Pipe was connected to pump station on 10/31
- Basement floor pour was 11/1
- Next wall pour will be on 11/9
- Generator footings poured 11/14
- Generator frost walls poured 11/17
- Generator floor poured 11/30
- Wet well cover poured today
- Meter pit installed and connected to force mains
- Backfilled except gravels
- Possible winter shut down

Other:

- 7 Martin's Ferry Road- Lamontagne ongoing construction
- Park Place is coming the next sewer commission meeting
- Marmon is complete. Testing documentation is left
- New SCADA computers were installed
- Superintendent Conaty is still researching the cost for a roll-off truck
- Superintendent Conaty was nominated to Chair the NEWEA certification committee
- Superintendent Conaty was nominated in Bow to Drinking water protection committee
- Superintendent Conaty is requesting funds for himself and Assistant Superintendent John Clark to attend the NEWEA conference in January, which will cost \$4000. Commissioner Richard Bairam made motion to pay \$4000 for Superintendent Conaty and Assistant Superintendent John Clark to attend the NEWEA conference in January. Commissioner Robert Duhaime seconded. All in favor, the motion was carried unanimously.
- PBR submitted the contract
- Superintendent Conaty was contacted again this year and asked for the bridge lights to be powered off of the HWWTP pump station electricity supply. Superintendent Conaty granted permission again this year but did request that they look into other options for next year.

Old Business:

- Tif updates are every third Tuesday of the month

- Finalize longevity pay. Commissioner Robert Duhaime made motion to approve the longevity pay for 2024. Commissioner Richard Bairam seconded. All in favor, the motion was carried unanimously.

New Business:

- The next sewer commission meeting is December 19, 2023

Non-Public Session: Commissioner Richard Bairam made motion to go into non-public session under at 12:20pm, RSA 91-A:3, II(c). Commissioner Robert Duhaime seconded. All in favor, the motion was carried unanimously. Commissioner Richard Bairam made motion to come out of non-public session at 12:40pm. Commissioner Robert Duhaime seconded. All in favor, the motion was carried unanimously. No decisions were made while in non-public session.

Public Input: None

Adjournment: Commissioner Robert Duhaime made motion to adjourn at 12:41. Commissioner Richard Bairam seconded. All in favor, the motion was carried unanimously.

Respectfully Submitted,

Kim Langlois
Billing Clerk

Richard Bairam
Richard Bairam (Clerk)

HOOKSETT WASTEWATER TREATMENT FACILITY	
DATE RECEIVED <u>12-19-23</u>	
INITIAL	COMMENTS
<u>B</u>	
<u>af</u>	
<u>RD</u>	

2023-24	KWH PRODUCED		SOLD BACK	BEHIND THE METER		GREEN ENERGY	ISO	UTILITY BILL W/O SOLAR	UTILITY BILL WITH SOLAR	TOTAL COST OF ELECTRIC	PERCENT SAVINGS
	2023-24										
JUL	91,320	\$9,606.00	\$5,860.14	\$2,465.64		\$14,662.19	-\$803.95	\$ (3,269.59)	122.3%		
AUG	90,362	\$6,488.24	\$4,413.95	\$2,439.77		\$6,130.30	-\$4,771.89	\$ (7,211.66)	217.6%		
SEP	65,934	\$4,144.00	\$3,386.98	\$1,780.22		\$8,731.90	\$1,200.92	\$ (579.30)	106.6%		
OCT	44,925	\$2,480.36	\$2,817.03	\$1,212.98		\$11,708.65	\$6,411.26	\$ 5,198.29	55.6%		
NOV		\$0.00	\$0.00	\$0.00		\$0.00		\$ -	#DIV/0!		
DEC		\$0.00	\$0.00	\$0.00		\$0.00		\$ -	#DIV/0!		
JAN		\$0.00	\$0.00	\$0.00		\$0.00		\$ -	#DIV/0!		
FEB		\$0.00	\$0.00	\$0.00		\$0.00		\$ -	#DIV/0!		
MAR		\$0.00	\$0.00	\$0.00		\$0.00		\$ -	#DIV/0!		
APR		\$0.00	\$0.00	\$0.00		\$0.00		\$ -	#DIV/0!		
MAY		\$0.00	\$0.00	\$0.00		\$0.00		\$ -	#DIV/0!		
JUN		\$0.00	\$0.00	\$0.00		\$0.00		\$ -	#DIV/0!		
TOTAL	292,541	\$22,718.60	\$16,478.11	\$7,898.61	\$0.00	\$41,233.05	\$2,036.34	-\$5,862.27			
SAVINGS							\$39,196.71	\$47,095.32			
MONTHLY AVG											
		REVENUE	ENERGY VALUE (NOT THRU METER)								

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ken.hooksettwwastewater@gmail.com

From: Larocque, Shannon <Shannon.J.Larocque@des.nh.gov>
Sent: Tuesday, November 28, 2023 4:22 PM
To: Ken Conaty
Cc: Dave Mercier (dmercier@underwoodengineers.com); Wood, Tracy; Greene, Dennis
Subject: 2023 George F. Ames PISCES Nomination

Hi Ken,

As per our conversation this afternoon, NHDES's CWSRF program plans to nominate the Hooksett WWTF Phase 3A Capital Improvements project for the 2023 George F. Ames PISCES Award. We all feel like it was a special project and the planning, design and construction were carried out very responsibly and professionally. As I mentioned, we typically choose three to four projects to consider, and after internal discussion with our SRF team members, we narrow it down to a single project to nominate each year. We are in the process of finalizing the nomination application and plan to submit it on Thursday. Sorry for the short notice, but with the record amount of project that we are managing along with the holiday last week, our timeline to gather information got pushed out a bit close to the nomination deadline. The evaluation criteria is as follows:

Participating state programs each nominate one project that exemplifies one or more of the following evaluation criteria:

- Environmental and Public Health Protection
- Community Engagement
- System Partnerships
- Innovative Financing
- Problem Solving

We have addressed most of the above criteria generally, but feel free to add any specific comments that you think are important under any one of the criteria. Most importantly, I am hoping that you can help us answer one particular question on the nomination form as follows:

- What are the qualitatively or quantitatively measurable results that this project delivered in solving or mitigating the problem?

You can certainly elaborate on the energy savings that you have noticed based on only having to operate one blower, but also please indicate any improvements realized from the upgrade in your wastewater discharge quality and overall facility's hydraulic capacity. I am also copying Dave Mercier in case he has some specific information to share. If you are interested in past award winners and honorable mentions, feel free to visit EPA's PISCES Program webpage here: [Clean Water State Revolving Fund PISCES Program: George F. Ames Performance and Innovation in the SRF Creating Environmental Success Program | US EPA](#)

Tracy, Dennis and I are working on the nomination together, so please send your e-mail to all of us as I will be on the road most of tomorrow morning and we want to keep making progress on the nomination application. I will be in a meeting from 10:30 to 11:30 tomorrow, but should be available by phone otherwise, so feel free to call if you have any questions. Thank you and congratulations!

Shannon

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Water
State
Revolving
Fund**


CONTACT US <<https://epa.gov/cwsrf/forms/contact-us-about-clean-water-state-revolving-fund-cwsrf>>

Clean Water State Revolving Fund PISCES Program: George F. Ames Performance and Innovation in the SRF Creating Environmental Success Program

The Clean Water State Revolving Fund's George F. Ames Performance and Innovation in the SRF Creating Environmental Success (PISCES) program recognizes CWSRF assistance recipients for exceptional projects and highlights them nationally. Participating state programs each nominate one project that exemplifies one or more of the following evaluation criteria:

- Environmental and Public Health Protection
- Community Engagement
- System Partnerships
- Innovative Financing
- Problem Solving

Eligible projects must have an executed CWSRF assistance agreement and can be operational or in the planning phase. EPA selects an Exceptional Project from the nominations every year for each of the five evaluation criteria categories. The remaining nominated PISCES projects receive Honorable Mention recognition.

-  CWSRF 2022 PISCES Compendium (pdf) <<https://epa.gov/system/files/documents/2023-04/piscs-2022-compendium.pdf>> (6.69 MB)
- Read the EPA News Release <<https://epa.gov/newsreleases/epa-recognizes-excellence-and-innovation-clean-water-and-drinking-water-1>>

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On this page:

- Table listing 2022 recognized projects
- 2021 PISCES and AQUARIUS Roundtable
- Recognized projects for previous years

Projects Recognized by the George F. Ames PISCES Program – 2022

Table of Exceptional and Honorable Mention Projects

State	Project
Exceptional Projects	
Nebraska	Hastings Aquifer Storage and Restoration Project
New Jersey	Kearny Town Redevelopment of Recreational Complex
Ohio	STEP Collection System Dupont-Cloverdale Wastewater Plant
Virginia	Hampton Roads Sanitation District Programmatic Loan
West Virginia	Coalwood Sewer Project – Phase 1
Honorable Mention Projects	
Alaska	City of Ketchikan Commercial Metering
Arizona	Apache Pine Phase 1
Arkansas	Lost Bridge Village Water and Sewer Improvement Districts 1 and 2
California	East County Advanced Water Purification Project
Delaware	Christina River Force Main Emergency Repair Project

State	Project
Indiana	City of Bluffton Wastewater System Improvement Projects
Louisiana	Bayou Lafourche Fresh Water District
Missouri	City of Van Buren/Deer Run Reorganized Common Sewer District (Deer Run Development)
New Hampshire	Lebanon's CSO Elimination Program
New Mexico	The Town of Taos Wastewater Treatment Plant Solar Project
New York	City of Rome Water Resources Recovery Facility Upgrades
Oklahoma	Guard the Grand, On-Site Wastewater (Septic) Repair/Replace Program
Pennsylvania	Wyoming Valley Sanitary Authority 2021 ProFi MS4 Stormwater Projects
Rhode Island	Pine Street South Green Stormwater Improvements in TOD District
Texas	Biosolids Reuse – Using Design-Build Alternative Delivery Method

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2021 PISCES and AQUARIUS Roundtable

On February 16, 2022, EPA hosted a virtual roundtable with state and community representatives to celebrate infrastructure projects recognized for excellence and innovation within the Clean Water State Revolving Fund (SRF) and Drinking Water SRF programs. These exemplary projects demonstrate leadership in innovative financing, partnership, and problem solving while improving water quality and public health protection.

Speakers included: EPA Assistant Administrator for Water Radhika Fox; Executive Director of the Council of Infrastructure Financing Authorities Deirdre Finn; Albuquerque Bernalillo County Water Utility Authority, New Mexico; Town of North Smithfield, Rhode Island; Town of Marana, Arizona; Maryland American Water, Maryland; ReHarvest Partners, Iowa; Garber Farms Inc., Virginia; City of Flagstaff, Arizona; Bartlesville Municipal Authority, Oklahoma; and Nisqually Tribe in Washington State.

Note: The first few minutes of Assistant Administrator Fox's remarks were not recorded.



Hooksett Wastewater Treatment Facility

Board of Sewer Commissioners
1 Egawes Drive
Hooksett, NH 03106
(603) 485-7000

November 29, 2023

Tracy Wood
Dennis Greens
Shannon Laroque
NHDES
Concord NH

Good afternoon,

This memo serves to follow up Shannon's phone call and email to me yesterday. Below I have gathered some rough information on how the Treatment Plant is doing after the project is completed. Here in Hooksett, we are very honored that you have picked us for a chance at this award.

1. As you know there were hydraulic issues throughout the plant including right after headworks and right before the chlorine contact chamber. We had an unexpected test of those hydraulics in July when Hooksett received a rainstorm totaling 8" in less than four hours onto an already saturated ground. The inflow spike at the plant hit 3.2MGD. We were only running one of the two trains and the plant handled it with no issues or concerns. Tank levels rose slightly but never enough to trigger any alarms. (the inflow issue was found and corrected) ✓
2. The new screens and wash press have reduced both the volume and weight of the screenings by approximately 50%. ✓
3. Installation of a plant wide recycled water wash system has decreased our water bill by 70%. ✓
4. The aeration air updates to include new Scada controlled Rexa hydraulic valves and equal length header pipes has resulted in a significant savings in our electric line item. We went from an average of 113KW a month to 77Kw a month. ✓
5. Three IFAS tanks in each train has also resulted in more consistent treatment of the effluent. ✓
6. The new pinch valve on the RAS line has allowed us to waste more level throughout a 24 hr. period. This has resulted in a more consistent sludge allowing us to use slightly less polymer during dewatering. ✓
7. All these upgrades and monitoring points have given our staff a huge sigh of relief after going through the disc release incident. After seeing how the plant now operates, they once again have confidence in the robust system design.
8. Dave Mercier at Underwood is doing a comparison of before the pilot testing and now-I'm hoping to have that to you all shortly.

Thanks for everyone's help,
Ken Conaty
Superintendent