
INFRASTRUCTURE ADVISORY BOARD

Paul Flower, Chair Neil Abramson, Secretary Casey Tingle, Vice Chair
Elisa Speranza Bill Hammack Karen Raymond Chuck Morse

December 14, 2023 | 2:00 pm

***Sewerage & Water Board | West Power Complex – 2nd floor Auditorium
8800 S. Claiborne Ave., New Orleans 70118***

Via videoconference at: [Click here to join the meeting](#)

Via teleconference at: [+1 504-321-7520,,204435312#](tel:+15043217520)

AGENDA

- I. Call to Order
- II. Approval of Agenda
- III. Approval of Minutes
- IV. Approval of Quarterly Report
- V. Presentation of Agenda
- VI. Presentations:
 - A. Fair Share Agreement Financial Update – City of New Orleans
 - B. Infrastructure Update – City of New Orleans, Department of Public Works
 - C. Infrastructure Update - Sewerage & Water Board of New Orleans
 - D. Drainage Consolidation Working Group Update
- VII. Public Comment
- VIII. Approval of 2024 Infrastructure Advisory Board Meeting Schedule

Q1 – March 14
Q2 -June 13
Q3 – September 12
Q4 – December 12

- IX. Other Business
- X. Adjournment
- XI. Post-meeting facilities tour

**MINUTES OF THE REGULAR MEETING OF THE
INFRASTRUCTURE ADVISORY BOARD
SEPTEMBER 14, 2023**

The regular meeting of the Infrastructure Advisory Board (IAB) occurred on September 14, 2023 in-person at Woodward Design+Build – 2nd Floor, 1000 South Norman C. Francis Parkway, New Orleans, Louisiana.

The following IAB members were present:

1. Paul Flower, Chair
2. Casey Tingle, Vice Chair
3. Neil Abramson, Secretary
4. Bill Hammack
5. Chuck Morse
6. Karen Raymond
7. Elisa Speranza

REGULAR ORDER OF BUSINESS

Call to Order. The Chair called the meeting to order at 2:00 p.m.

Approval of Agenda. The IAB unanimously approved the agenda.

Approval of Minutes. The IAB unanimously approved as written the minutes of the June 8, 2023 regular meeting.

Approval of Quarterly Report. The IAB unanimously approved the Quarterly Report.

Presentations. In order of appearance:

Keith Readling, Executive Vice President, Raftelis, and Henrietta Locklear, Vice President, Raftelis, introduced themselves and provided a brief overview of their practice in utility financial management consulting. Ms. Locklear shared that Raftelis is currently evaluating the feasibility of a drainage fee for SWBNO, emphasizing assessing the current situation, updating financial models, and developing fair funding options. Key findings include the need for more funding, stakeholder desire for fairness, and high distrust for both SWBNO and the city. Raftelis proposes an equitable fee structure based on impervious areas, with residential tiers, credits programs, and affordability initiatives. Mr. Readling recommended increased spending on drainage operations and maintenance, suggesting a phased-in fee structure, which if implemented, would fund the current SWBNO services i.e. pumps and canals and the power master plan as well as taking over and improving operation and maintenance of the minor system (pipes under 36”), and respond to community interests in terms of workforce development, capacity, and reforestation. Ms. Locklear presented rate structure examples which would be based on impervious space on any given property as well as implementation options, including phasing in payments, millage expirations, and billing options. Mr. Readling concluded by saying that maintaining millages while introducing

a phased-in drainage fee could generate \$178M in new revenue by 2026, funding \$356M in infrastructure improvements. Following the presentation Raftelis and the Board members discussed strategic and financial considerations regarding the implementation of a fee and whether it can or should replace existing millages.

Eric Smith, Research and Special Projects Analyst for the Chief Administrative Office, City of New Orleans, and Courtney Story, Director of Administration and Planning for the Chief Administrative Office, City of New Orleans, in a slide presentation, the financial update highlighted revenue and allocations through July 2023. Collections are on track, slightly outpacing inflation, and a 6.8% increase in 2023 revenue over 2022 is expected. Regarding the outstanding \$5M from the IMF, Mr. Smith mentioned a City Council ordinance for an additional \$5M to SWBNO. Courtney Story clarified that it's an advance from the 2024 IMF funds, with Mr. Smith confirming a recurring annual budget payment of \$5M. **Sarah Porteous, Acting Director for the Department of Public Works, City of New Orleans,** updated the Board on the IMF. Almost \$26M was appropriated from the fund in 2023, with \$1.2M allocated toward personnel. Ms. Porteous explained that out of the appropriated amount, 41 positions had been funded, including 21 hires. Ms. Prteous made special note that employee retention is working well as each new hire has remained employed. Currently, there are 20 vacancies, and requisitions are in process for each vacancy. The remaining \$24.5M was used for operating expenses, with \$18M allocated to SWBNO payments, \$5M to Right of Way Repair Contracts, and \$1.4M to streetlight repairs. Mr. Paul Flower took an opportunity to acknowledge Ms. Porteous's planned departure from her current role at the city and thanked her for her dedication to her work and the city of New Orleans.

On the topic of the Downtown Development District's green infrastructure project involving the installation of permeable pavement in seven City corridors, Ms. Porteous shared that Wingate Consulting Engineers, LLC, have submitted preliminary plans for all 18 blocks and Drainage Calculations. A Utility Coordination meeting occurred on August 8, 2023 to review the plans and provide comment on potential utility conflicts. Ms. Porteous confirmed that the project is on track to be put out for bidding before Mardi Gras in 2024.

Ms. Story ended the presentation with an update on the Drainage Consolidation Working Group, reminding the Board that on January 31, 2023, the CAO had submitted a preliminary Working Group Update to the City Council, which discussed: (1) actions taken by members thus far, (2) the history of drainage management in New Orleans, (3) potential opportunities of a consolidation, (4) challenges of a consolidation under SWBNO, and (5) changes required to implement consolidation under SWBNO. The continued consensus among the working group is the need to identify a recurring funding source to make consolidation a reality. The Working Group has met once in 2023 thus far. Ms. Story addressed Mr. Neil Abramson's question from the June meeting regarding if there was a plan to submit a Final Report noting that the legislation from Council does not require any subsequent reports, though she believes that once a direction has been decided on, they will submit one.

Ron Spooner, Interim General Superintendent, SWBNO, shared updates on priority projects: (1) West Power Complex. The West Power Complex is on track for an on-time delivery of the first quarter of 2024, with 90% of transmission line work complete. Mr. Spooner focused on Phase 1

of the SWBNO side of the West Power Complex detailing the process and implementation timeline. He reiterated that the SWBNO backup plant is on track for an on-time delivery in the final quarter of 2024. (2) **Smart Metering. Rebecca Johnsey, Project Manager of Smart Metering, SWBNO,** updated the board on Smart Metering, sharing that SWBNO has completed integration of smart metering technology and SWBNO IT systems, with initial testing completed as of this morning. Ms. Johnsey noted that over 2,000 Smart Meters have been installed as a part of operating and maintenance, including 50 large meters. Ms. Johnsey commented on the detailed communications planning and messaging that continues for this project, which includes training on the technology at city hall, residential post cards, and an online landing page with up to date information. Ms. Johnsey informed the Board that the application for a \$5M Sate Revolving Fund loan was accepted and that an additional \$4.8M has been applied for. A new physical lid was brought to the meeting and Ms. Johnsey walked the Board through its design features.

Steve Nelson, Deputy General Superintendent, Engineering and Services, SWBNO, updated the Board on 2023 paving repairs. He expressed gratitude for the approved June funding, resulting in a 20% reduction in response times compared to 2022. The goal is to decrease the backlog from 3,000 to 600-1000 by the end of 2023, currently decreasing at a rate of approximately 100 per week. The \$4M in IAB funds is supporting on-call contractors, a key factor in backlog reduction. \$1.8M has been spent from June to August, with the remaining \$2.2M expected to be spent by November. The projected completion of work orders by contractors in 2023 is over 500. Nelson highlighted DPW coordination, addressing a 4' pipe on Claiborne impacting water production at the Carrollton plant. The watermain is expected to be finished within the month, but street restoration may extend until February. Regarding surface cut repairs, Nelson clarified that initial projects exceeded estimates, resulting in an anticipated year-end cut total of 1000 instead of the projected 600. When asked about additional funding, Nelson mentioned utilizing the annual budget for the project's next phase, as it aligns closely with the year-end timeframe.

Grey Lewis, Chief Financial Officer, SWBNO, reported over \$50M revenue from Fair Share/IMF through July 2023. Expenditures include Turbine 7 design (\$1.9M), Smart Meter Program (\$2.3M), SELA Drainage Projects (\$3.5M), Sycamore Filter Gallery Rehab (\$1.7M), and West Power Complex (\$4.9M). Lewis requested an additional \$10M for Power Complex connection to Static Frequency Changer #2, adding to the existing \$20M, totaling \$30M for contracts. Mr. Hammack expressed openness but not ready to vote on the \$10M commitment. Mr. Korban confirmed the request could wait until the December meeting.

Public Comment There was no public comment.

Other Business. There was no new or other business raised by the attendees.

Adjournment. The IAB adjourned the meeting at 3:38 PM.

#####

**QUARTERLY REPORT OF THE
INFRASTRUCTURE ADVISORY BOARD**

Third Quarter 2023

In accordance with its obligations under Executive Order LC 19-02 issued by Mayor LaToya Cantrell on August 6, 2019, and the Cooperative Endeavor Agreement between the City of New Orleans (“City”) and the Sewerage and Water Board of New Orleans (“SWBNO”) dated July 7, 2020, the Infrastructure Advisory Board (“IAB”) respectfully submits this report of actions undertaken during the third quarter of 2023 and recommendations offered for the fourth quarter of 2023.

I. IAB Meetings and Activities

The IAB met once during the third quarter of 2023, convening September 14 in person. The complete meeting packet and a full recording of the meetings is available at:

<https://www.swbno.org/BoardMeetings/MeetingVideo?link=https%3A%2F%2Fwww2.swbno.org%2Fmedia%2FInfrastructure+091423.mp4&name=Infrastructure+Advisory+Board&date=9%2F14%2F2023+2%3A00%3A00+PM>

The IAB continues to monitor Fair Share Agreement collections as well as the progress of recommended projects.

Status of One-Time Funds

The status of the Fair Share Agreement one-time funds is delineated in the City’s presentation in connection with the September 14, 2023 IAB meeting, available at:

https://www2.swbno.org/documents/meetings/packets/packet_2126.pdf

II. Status of Recurring Revenue Under the Fair Share Agreement

The status of each revenue stream of the Fair Share Agreement is delineated in the City of New Orleans presentation, available at:

https://www2.swbno.org/documents/meetings/packets/packet_2126.pdf

III. IAB Project Recommendations for Use of Recurring Fair Share Agreement Funds

The IAB works with SWBNO to identify the highest and best uses for recurring Fair Share Agreement funds, with attentiveness to short-term needs and projects that will contribute to the longer-term sustainability of the system. The projects approved for funding utilizing Fair Share Agreement revenues are set forth in the document incorporated in the packet linked above.

A. *Automated Metering Infrastructure (AMI)* – The IAB recommended utilizing up to \$1,500,000 from the IMF to support AMI implementation, including the short-term engagement of supplemental meter readers, to provide more consistent, timely, and accurate customer billing. Phase 1 of the AMI project was meant to include a survey of the entire existing water meter infrastructure and determination of the proper scope of the eventual AMI solution. Due to limited IMF proceeds, SWBNO downsized the scope of Phase 1, moving some aspects to Phase 2, to make the project more affordable in the near term. The rescoping resulted from SWBNO’s efforts to identify which aspects of Phase 1 will generate the greatest benefits. SWBNO does not expect the rescoping to affect full AMI implementation, which is anticipated to cost approximately \$40 million.

B. The rescoped meter survey is complete, as is a business process analysis of all related SWBNO functions. The vendor implementation RFP was released in December 2021, and seven vendors responded. The SWBNO selection committee met in April 2022 and awarded the contract to Aquametric. SWBNO Board of Directors approved the award in May, and, after overcoming a bid protest, the final contract was approved by the Board on December 14.

Phase 2 – “Deployment” – is officially underway. For Phase 2, the IAB recommended utilizing up to \$15,000,000 from the IMF to support deployment after the initial funding is exhausted. The Smart Meter program management team is prioritizing increased staffing for community outreach, installation of a SWBNO-owned network for signal transmission, and ordering meters and equipment to get ahead of anticipated supply chain delays. As of September 2023, sufficient network infrastructure has been installed to begin meter installation, integration with SWBNO’s billing system is underway, and commencement of a slow start of meter installations has occurred. The customer portal integration is planned to begin in Q1 2024 with deployment in Q3 2024. . The IAB has recommended utilizing an additional \$2,500,000 to the original \$1,500,000 for a total of \$4,000,000 recommendation to support the consultant contract to deliver AMI.

C. *Master Plan* – The IAB recommended utilizing up to \$500,000 from the IMF to support development of a Master Plan. The Master Plan constitutes the blueprint for SWBNO’s long-term, comprehensive, integrated, sustainable vision for managing the City’s water, sewer, and major drainage systems for years to come.

After a competitive proposal process, a contract for a Utility Strategic Plan—a critical step in the development of a comprehensive Master Plan—was awarded to a team led by Raftelis Financial Consultants, Inc. and approved by SWBNO Board of Directors on

May 19, 2021. IAB Member Elisa Speranza served as a volunteer member of the evaluation committee.

Raftelis led an intensive and comprehensive process over the past six months that included SWBNO leadership, workforce, Board members, partner agencies and stakeholders. The strategic plan, which covers priorities, strategies and tasks for implementation over the next five years, was adopted by SWBNO Board of Directors in February. SWBNO leadership is sharing the plan with stakeholders and the community over the next several months.

Implementation of strategic plan tasks began in earnest in Q2, including identification and tracking of goal-related performance metrics. A public-facing dashboard reflecting progress toward goals was unveiled at the SWBNO Strategy Committee meeting last month and will be the primary tool for metric tracking moving forward.

Now that the Strategic Plan is complete, SWBNO will turn toward master planning efforts for each of its three systems (water, wastewater, drainage). The utility put out an RFP for a water system master plan, focusing on the renovation of the Carrollton and Algiers water purification plants, this year. Based on the results of the RFP, SWBNO may seek the dedication of additional Fair Share funds in this category to support the planning process.

D. *Water Treatment Plant – Sycamore Filter Gallery* – This high-priority project is part of an effort to upgrade many aspects of the Carrollton and Algiers water treatment plants, for which SWBNO is seeking federal funding from the Infrastructure Investment and Jobs Act as well as the Water Sector Commission. Work on this project was substantially completed in the early fall.

E. *SELA Algiers Drainage Project* – The IAB recommended utilizing \$1,030,625 from the IMF to support the Algiers drainage project. As previously reported, SWBNO is participating in a federally funded SELA construction project improving Algiers drainage canals and increasing stormwater storage during rain events. As part of the agreement with the U.S. Army Corps of Engineers, SWBNO paid 5% of the project costs up-front, amounting to \$1,030,625; this unlocked approximately \$25 million in additional funding from the federal government. As the Corps continues to receive federal funding for this project, SWBNO is obligated to pay the matching 5% up-front cost. The IAB approved an additional \$2,486,836 for that payment in the second quarter of 2021.

F. *Stormwater Fee Study* – The IAB recommended utilizing up to \$250,000 from the IMF to support a Stormwater Fee Study. A stormwater fee study would include a full analysis of the rate structure, assessment methodology, affordability, equity,

incentives, and timing of a potential stormwater management fee. This study will allow for the design of an equitable, sufficient, and reliable recurring revenue source to support New Orleans' drainage infrastructure and the implementation of best management practices, including green infrastructure. At the behest and recommendation of the IAB and SWBNO, a group of dedicated business, civic, and community organizations have begun to work collaboratively on a plan to bring the stormwater management fee to fruition. To aid that effort, SWBNO has requested a substantive update to the 2016 stormwater fee feasibility report prepared by consultant Raftelis. A synopsis of the update was presented by Raftelis at the September 14 meeting and covered a general consensus on the need for additional funding, a phased in or gradual approach to transition over time to a more equitable fee based revenue stream and the need to raise capital through issuance of bonds to fund additional investments in the Drainage program using fee revenue to service new debt.

G. *Turbine 7 (T7) Solution* – As part of an ongoing effort to address chronic shortfalls of availability of power generation to support SWBNO operations, the IAB recommended utilizing up to \$4,000,000 from the IMF to support a procurement of a new turbine dubbed “T7.”

T7, along with T6, will become the sources of backup power generation for the utility once the Entergy substation is constructed. In the meantime, T7 will replace the outdated steam turbine generators (T1 and T3) that have been decommissioned. Equipment, site preparation work, and installation of T7 is expected to cost approximately \$18 million to \$20 million. Funding for this project has been approved, and the environmental permitting process is complete. The RFP for equipment and installation was released in December 2021, and the selected vendor was approved by SWBNO's Board in early 2022. The manufacturing of T7 has been completed and shipped for storage in Houston, TX along with other ancillary parts.

H. *West Power Complex Construction* – The West Power Complex is comprised of an electric substation connecting SWBNO's plant directly to Entergy's transmission line, as well as a modernized backup power generation system powered by Turbines 6 and 7. Construction of the new power campus, which also includes three frequency changers, an operations center, and a “utility rack” to connect the Entergy power to SWBNO's assets, will cost around \$250 million. Funds from the project will come from numerous sources, including state Capital Outlay funds, federal earmarks, CDBG and HMPG funds, the City of New Orleans, and SWBNO's own system funds. The IAB has also committed \$20M from its recurring revenue to help fund construction in 2023 including Contracts 1440 and 1427 for transformer and auxiliary power support, and

contract 1447 for boiler room fan modifications. Project groundbreaking was on Monday, December 5, 2022.

I. *Bulk Chemical Feed and Storage Facility* – The Carrollton Water Plant currently lacks adequate bulk storage facilities with capacity and modernization to more efficiently purchase water purification chemicals. The lack of adequate storage facilities causes more frequent delivery and dependency on trucked in chemicals. The IAB has committed \$4M from the IMF to start the demolition and site preparation stages of the overall project.

J. *Asset Management System* – As part of technology modernization in the Strategic Plan of SWBNO developing a needs assessment and RFP for a new modern work order and asset management system will greatly enhance SWBNO ability to perform preventative maintenance activities. The IAB committed funding of \$1.65 million to allow for the pursuit of the needs assessment/RFP and ultimate purchase and implementation of a new system with a consultant being pursued through a list of qualified engineering consulting firms with expertise in technology and asset management systems.

K. *Acceleration of External Contractor Paving Contracts* – Open surface cut backlog throughout the City has persisted due to a lack of funding with multiple efforts being undertaken in 2023 with assistance from DPW, 2 external paving contractors and an internal SWBNO paving crew. Additional IAB funding was committed from the IMF fund of \$4m to augment the number of paving work orders which can be addressed by the external contractors based on their proven performance at reducing the work order backlog with additional funding committed to their contracts. SWBNO has expended 55% of allocated funding and been able to reduce backlog at a rate of approximately 100 work orders each week from ramping up contractors and adding internal resources. The goal is to have the backlog reduced to 1,000 by year end. SWBNO also reported a 20% reduction experienced over 2022 response times for paving repairs via utilization of the funding, additional equipment investments and DPW separate paving contract.



Infrastructure Advisory Board CNO Update

December 14, 2023

Agenda

- 1) Infrastructure Maintenance Fund (IMF)
 - a) IMF Revenue and Allocations through November
 - b) Outstanding IMF funding
- 2) Capital Outlay and Project Status
- 3) Drainage Consolidation Working Group

1

Infrastructure Maintenance Fund

Revenue and Allocations through November 1

November 2023 reconciliation has not yet been completed by Finance

Historical			2022						2023				
2020 Total	2021 Total		SWB Lost Penny	SWB STR Equalization	DPW Lost Penny	DPW STR Equalization	NOCO STR Occupancy		SWB Lost Penny	SWB STR Equalization	DPW Lost Penny	DPW STR Equalization	NOCO STR Occupancy
\$1,486,294	\$452,109	Jan	\$634,143	\$558,389	\$211,381	\$186,129	\$243,209	Jan	\$859,557	\$612,343	\$286,519	\$204,114	\$266,709
\$1,077,744	\$623,551	Feb	\$410,199	\$752,611	\$136,733	\$250,870	\$327,803	Feb	\$636,118	\$929,011	\$212,039	\$309,670	\$404,635
\$1,003,376	\$1,106,283	Mar	\$743,289	\$830,235	\$247,763	\$276,745	\$361,613	Mar	\$990,124	\$781,764	\$330,041	\$260,588	\$340,501
\$366,814	\$1,353,010	Apr	\$955,949	\$847,846	\$318,649	\$282,615	\$369,284	Apr	\$1,148,820	\$707,709	\$382,940	\$235,903	\$308,246
\$302,088	\$1,393,270	May	\$1,107,310	\$690,605	\$369,103	\$230,201	\$300,797	May	\$972,494	\$568,224	\$324,164	\$189,408	\$247,493
\$107,636	\$1,262,729	Jun	\$930,443	\$600,764	\$310,148	\$200,255	\$261,666	Jun	\$979,698	\$541,388	\$326,566	\$180,462	\$235,804
\$89,956	\$1,650,708	Jul	\$1,022,838	\$96,452	\$340,946	\$32,151	\$42,010	Jul	\$680,890	\$465,932	\$226,963	\$155,310	\$202,939
\$165,654	\$1,693,468	Aug	\$62,901	\$1,868,091	\$20,967	\$622,697	\$813,657	Aug	\$562,796	\$447,680	\$187,598	\$149,226	\$194,989
\$151,422	\$516,150	Sept	\$447,882	\$615,335	\$149,294	\$205,112	\$268,012	Sept	\$383,491	\$589,814	\$127,830	\$196,604	\$256,896
\$257,901	\$1,182,378	Oct	\$591,720	\$631,209	\$197,240	\$210,403	\$274,927	Oct	\$580,027	\$521,874	\$192,342	\$172,958	\$227,305
\$378,478	\$1,241,491	Nov	\$974,622	\$689,342	\$324,874	\$229,781	\$300,246	Nov					
\$501,028	\$1,952,044	Dec	\$831,913	\$628,542	\$277,304	\$209,514	\$273,765	Dec					
\$5,888,391	\$14,427,191	Total	\$8,713,210	\$8,809,422	\$2,904,402	\$2,936,472	\$3,836,989	Total	\$7,794,015	\$6,165,739	\$2,597,002	\$2,054,243	\$2,685,517

	2022 (as of 11/1)	2023 (as of 11/1)	2022 FY	2023 FY Est.	2024 FY Est.
SWBNO	\$14,398,211	\$13,959,754	\$17,522,632	\$16,750,900	\$17,250,000
DPW	\$4,799,402	\$4,651,245	\$5,840,874	\$5,581,490	\$5,750,000

Outstanding IMF Funding

Status

- Ordinance being put forth to City Council authorizing the move of the additional \$5 million to SWBNO. Once ordinance is approved SWBNO will be able to invoice and money transferred.
- In process of gaining final approval for those funds being included in the regular annual budget allowing them to then be invoiced at start of each new year.

2

Capital Outlay and Project Status Update

General Capital Outlay

Updates

- SWB Power Plant 2024-2025 request to be submitted for \$159,000,000, sponsors Duplessis/Freeman
- Lower 9th Ward Green Infrastructure Project 2024-2025 request to be resubmitted for \$3,250,000. \$2,900,000 in P1 from 2023
- VA Rehab 2024-2025 request to be submitted for \$23,850,000, sponsors Duplessis/Knox.
 - Life Safety Upgrades in schematic design phase.
 - A/E has submitted opinion for probably cost for upgrade, elevator modernization, and electrical repairs - \$8,185,790. Forward plan in development

Infrastructure Maintenance Fund – 2023

Almost \$26M was appropriated from the Infrastructure Maintenance Fund in the 2023 adopted budget

Personnel - \$1.2M

- 41 total positions funded
 - 20 hired
 - 21 vacancies (*requisitions in process*)
- 7 Job Studies have been Submitted to Civil Service to create positions to staff a new Asset Management Division
- New Laborers in Traffic Signal Shop and Maintenance

Infrastructure Maintenance Fund – 2023

Almost \$26M was appropriated from the Infrastructure Maintenance Fund in the 2023 adopted budget

Other Operating - \$24.5M

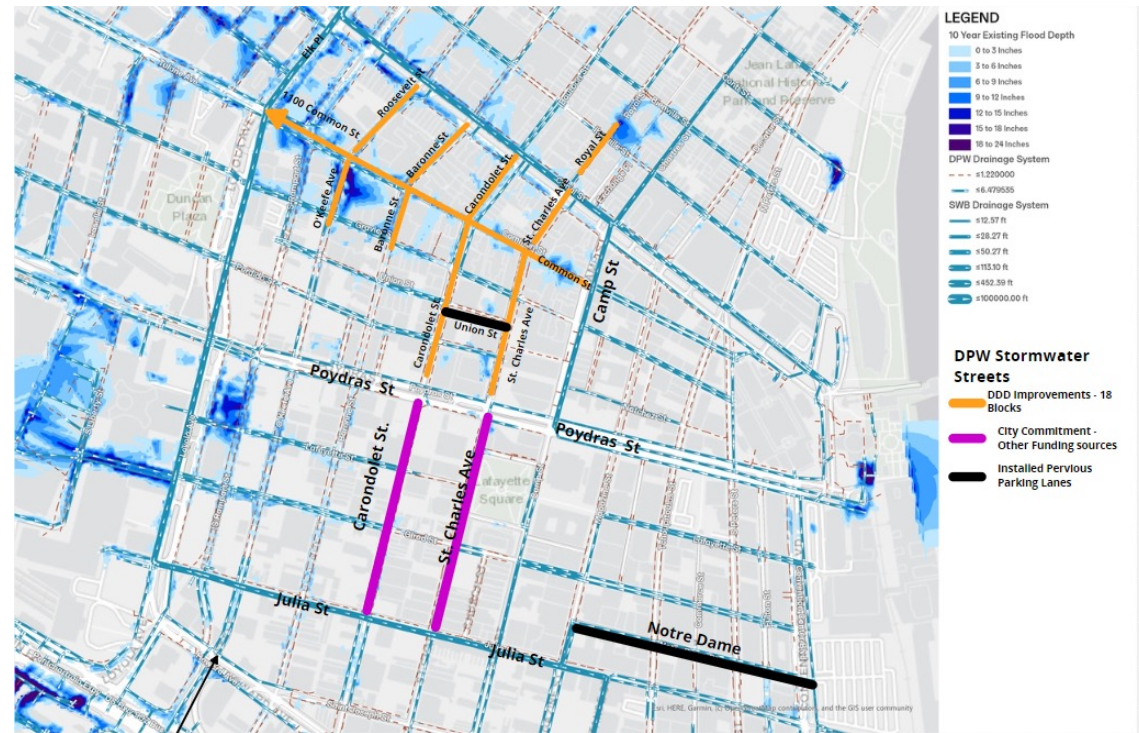
- SWBNO Payments (\$18M)
- Right of Way Repair (ROW) received a combination of IMF and Bond Funds
 - District A
 - \$871K Allocated
 - \$747K Spent
 - \$124K For Scheduled work.
 - District B
 - \$1.5M Allocated
 - \$1.1M Spent
 - \$400K For Scheduled work
- District C (Westbank)
 - \$1.8M Allocated
 - \$1.8M Spent
- District C (Eastbank)
 - \$2.4M Allocated
 - \$570K Spent
 - \$1.83M Reallocate to WB repair
- District D
 - \$1.5M Allocated
 - \$740K Spent
 - \$160K For Scheduled Work
- \$1.4M Allocated to Traffic Management

DDD Drainage Improvements

Timeline:

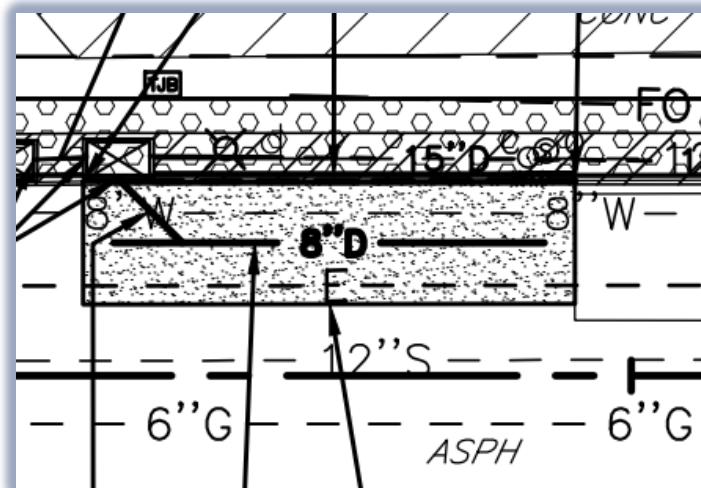
- Scope of work for this project entails drainage improvements and installation of permeable pavement where feasible throughout the 18 blocks.
- Deliverables/Timeframe
 - 90% Plans – Dec 22nd
 - 100% Plans Feb 24th
 - 90 Days to Bid and Award- Construction estimated to begin May 2024
- Mardi Gras 2024
 - Construction will not begin until *after* Mardi Gras
- Super Bowl 2025
 - Construction should be complete by Super Bowl 2025
 - As a precaution, the specifications will address construction sequence, temporary asphalt, and demobilization clause to mitigate interference of over lapse.
- DPW and Wingate have met with Utility agencies to review preliminary plans and provide comments on potential utility conflicts.
- DPW is Coordinating with SWBNO to identify and resolve additional Utility Conflicts
- Next Steps:
 - Wingate to provide 90% plans
 - DPW/Meyer to review
 - Meet with Entergy, Cox, and SWBNO to address conflicts

Project Area:

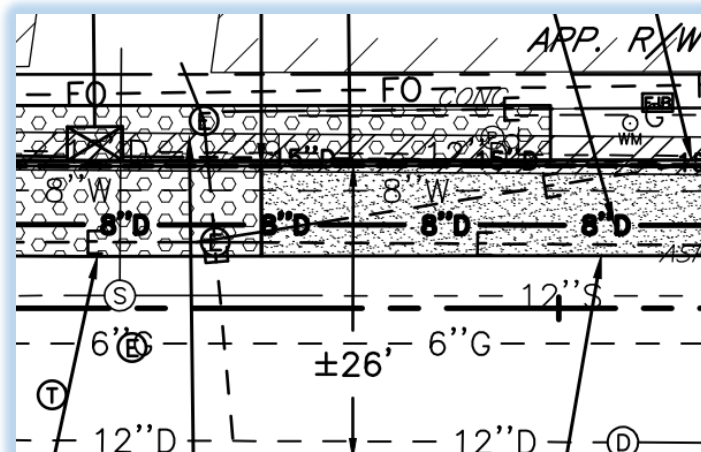


**Potential Utility Conflicts
(example pg104 Common St):**

Picture 1- SWBNO existing 8" waterline within parking lane. Discussions with SWBNO on how to proceed.



Picture 2- Entergy gas and electric conflicts. Entergy will move their utilities or Wingate will design around existing



3

Drainage Consolidation Working Group

Drainage Consolidation Working Group

Update

- The Chief Administrative Office provided a preliminary Working Group report to the City Council on January 31, 2023, and the Working Group has met once so far in 2023.
- The preliminary report to the City Council discussed the following:
 - The actions taken by the Working Group and its members thus far
 - The historical background of drainage system management by the City and SWBNO
 - Potential opportunities that consolidation would provide
 - Challenges presented by consolidation under SWBNO
 - Changes required to implement consolidation under SWBNO.
- The Working Group consensus is that a sustainable drainage system that is capable of operating as designed requires a strategic and proactive approach to cleaning and repairing the system and carries an enormous price tag for capital improvements and recurring maintenance.
- The Working Group intends to continue to explore options for sustainable funding going forward while simultaneously working through the operational and legislative challenges identified.



Questions?

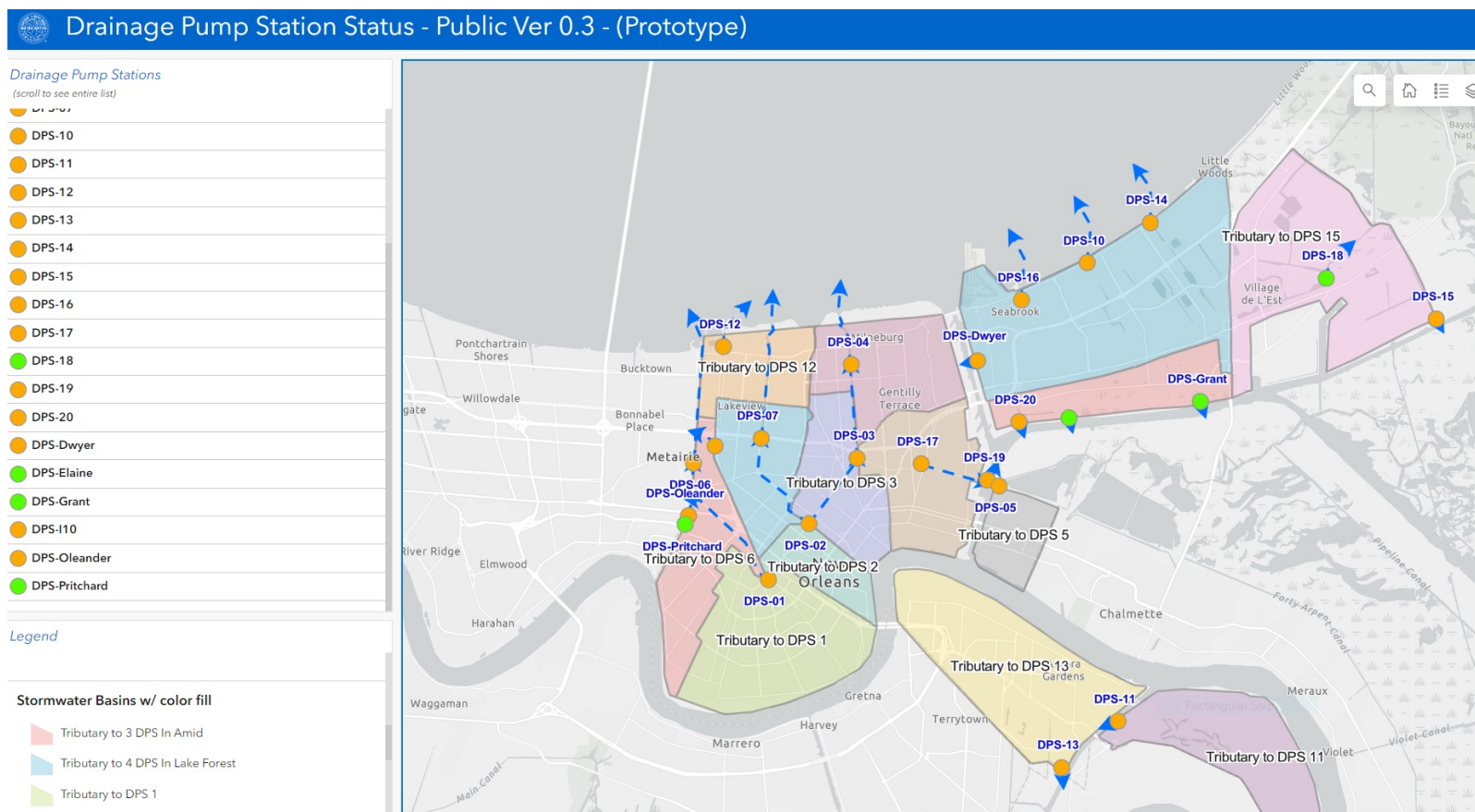
Infrastructure Advisory Board

Quarterly Meeting
December 14, 2023





In the works: Pumping and Power Dashboard



- In Beta form, will be available to public soon
- Easier way to digest pump and power status
- Shows real-time updates if Pumping Stations are on, ready or out of order
- Answers eternal question: “Are the Pumps on?”



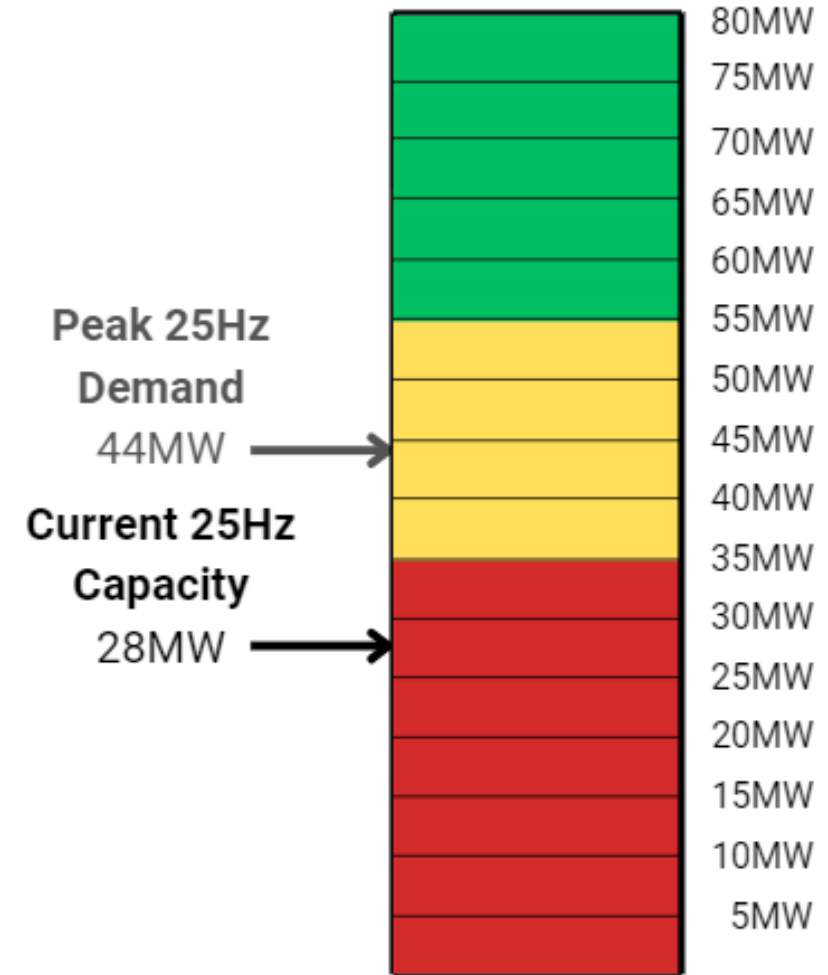
Communication Protocols

Existing Efforts

- Pump and Power Status available online
- Share Pump and Power Status with traditional media and social media prior to severe weather event

Moving Forward

- Continued coordination with the City to ensure flood risk is clearly communicated
- Update internal rain event protocols with NOLA Ready and the National Weather Service
- Power and Pump Dashboard with Flood Risk





Short-Term Power Plan

- Bring Turbine 5 online as expeditiously as possible
 - Anticipated return to service: December 15, 2023
- Use frequency changers to convert 60hz power generated by T6 and EMDs
 - There are no 25 Hz generators available on the market for purchase or rental
 - This equipment would have to be custom-designed and fabricated upon request
- Continue making progress on the Power Complex



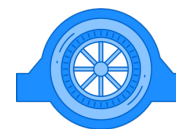
Work happening on Turbine 5,
Dec. 5



Long-Term Solution in Progress: Power Complex



The SWBNO Power Complex will provide modern, reliable power to our systems



Two modern turbines as backup power (T6 and T7)



A power substation connected to Entergy's grid



Frequency changers to convert 60Hz power to the 25Hz currents our older pumps use

Coming Summer 2025



SWBNO Power Complex Progress

Substation Work Remains on Schedule

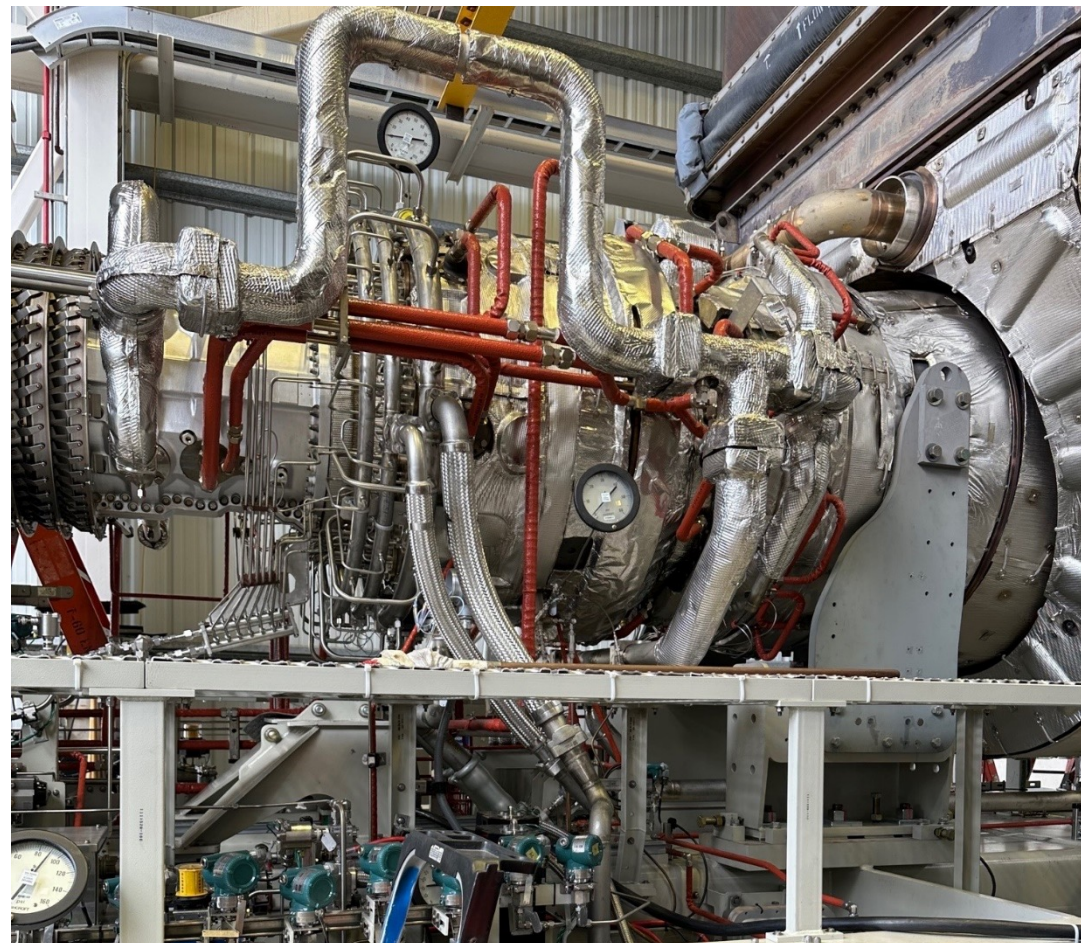
- Entergy work remains on schedule for 2024 completion, transmission line work 90% complete

SWBNO Connections and Backup Plant

- Utility rack is at 65% completion
- Static frequency changers and Turbine 7 – Undergoing testing at the manufacturing facilities



Turbine 7





Sycamore Filter Gallery Upgrades

Upgrades funded by the Infrastructure Maintenance Fund: 2023 Upgrades complete on Sycamore Filter Galleries, built in 1920s

- The gallery has 28 filters.
- The phased approach to rehab the gallery included replacing the media and associated work with Filters 11-28.
- 5 filters will be part of a construction package advertised in early 2024 to be rehabilitated as well.
- While this will bring us to a much-needed redundant filtration capacity, our overall plan for this facility is not complete.
- The next Phase of work to be done at the SFG is being considered as part of the WRDA 2022 Funding Allocation through the USACE.



Sycamore Filter Gallery Improvements



Valves

Old



and New



Sycamore Filter Gallery Improvements

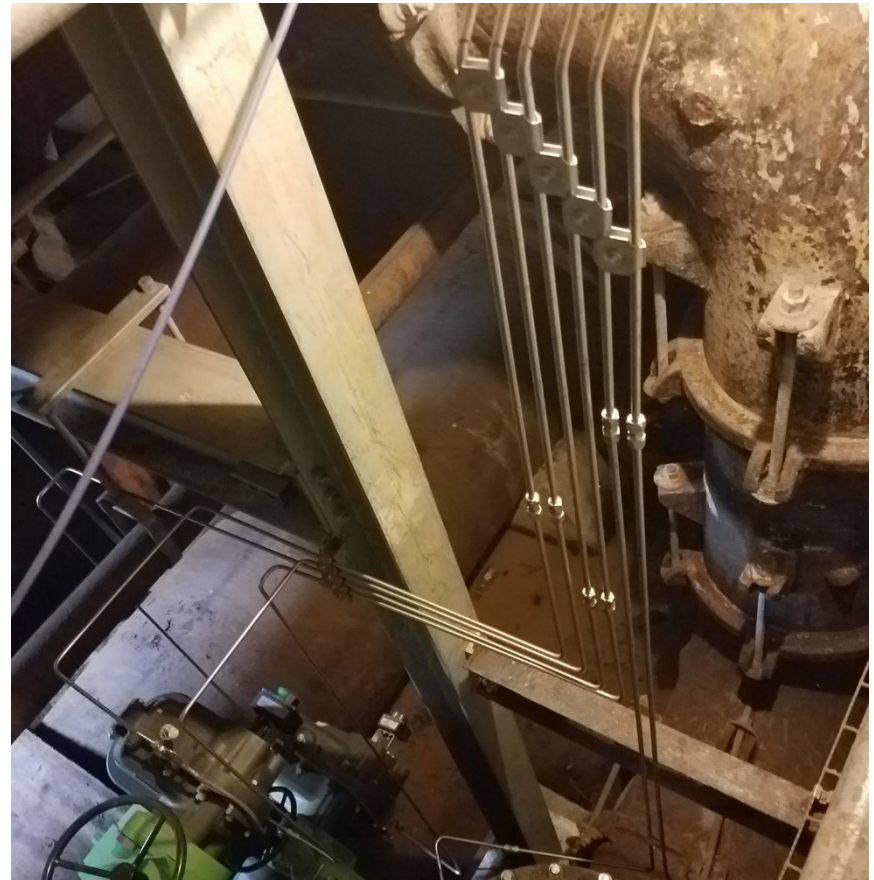


Tubing

Old



and New



Sycamore Filter Gallery Improvements



Pedestal

Old



and New



Sycamore Filter Gallery Improvements



Delivery Tubes – Old and New

Sycamore Filter Gallery Improvements



Filter Media – Before and After



Sycamore Filter Gallery Improvements



Steel, Hangers, and Cradles – Before and After



Water Quality Master Planning in Progress

- Contractor selected
- Planning process to start by end of the year
 - 18 – 24 month process
- Outcomes will be recommendations for investment in the treatment system, considering new anticipated Federal regulations as well as, climate risks
 - PFAS, PFOS, emerging contaminants
 - Lead and Copper Rule Revisions
 - Saltwater Intrusion





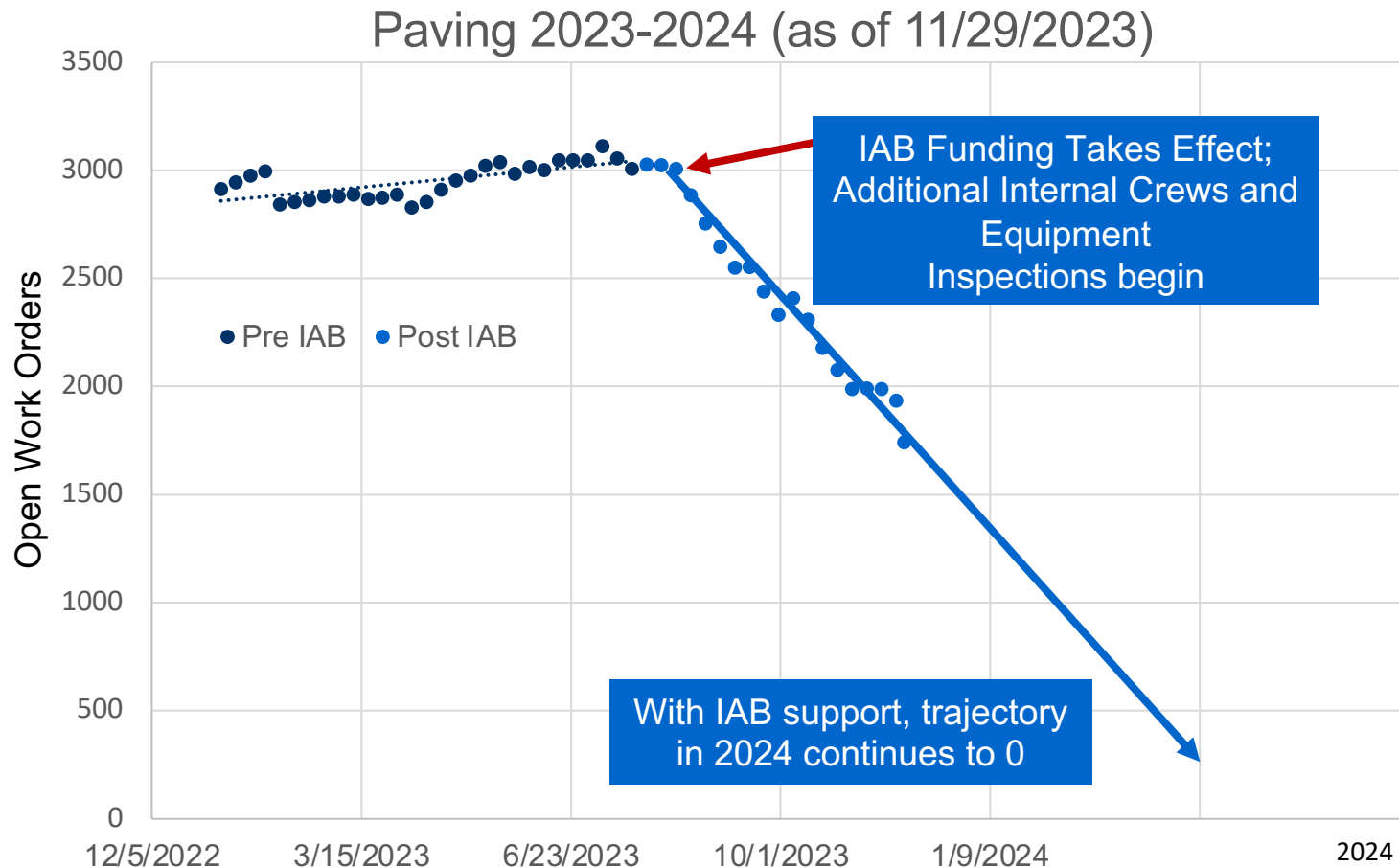
Smart Metering Update



- Integration of smart metering technology and our IT systems
 - Quality Assurance / Quality Control continues
 - Finalized automation efforts underway
 - Customer portal design beginning Q4 2023
 - 2,200+ meters installed as part of O&M, including 55 large meters
 - Detailed communications and messaging continues
- Meter installation has begun, at a designed slow pace
- 600+ installations as of Dec. 4
 - Includes 5/8 inch, 1.5 inch and 2 inch meters
 - Gives us ability to streamline processes and procedures



Pavement Restoration Backlog



- Paving work orders have significantly decreased as a result of IAB input
- Instrumental in building momentum going into 2024
- Aim to reduce backlog so repairs can be completed within 2-4 weeks
- Rather than the average of 100 days early 2023



Infrastructure Maintenance Fund Status

Total Revenues: \$53,120,934

Total Expenditures: \$17,552,571

Allocated Funding (awarded or designed contracts): \$40,807,858

Major expenditures to date (12/5/23):

- Sycamore Filter Gallery Rehabilitation \$2.1m
- Turbine 7 Design Contract - \$2.2m
- Smart Meter Program - \$2.7m
- Power Complex - \$4.9m
- SELA Drainage Projects - \$3.5m

Approximately \$900k of expenditures in the last 3 months

Month	IMF Revenue
October 2023	\$1.1M
September 2023	\$0.9M
August 2023	\$1.0M



IMF Project Requests for Funding

Project	Amount
FY24 - Water Treatment Plan Improvements: Sycamore Filter Gallery (Continuation)	\$3.0M
FY24 - Water Quality Master Plan and Strategic Plan	\$1.5M
FY24 - Replacement of New River Intake Fender System	\$6.0M
FY24 - Drainage Stormwater Fee Analysis (Continuation)	\$0.2M
FY24 – Pavement Restoration (Continuation)	\$4.0M



Picture of damaged Intake Fender System



Power Complex Project Details

Power Complex – IMF Projects	Contract Amounts	Status
1. T7 solution	\$4,000,000	
Design	\$2,600,000	In progress
Additional turbine costs (storage)	\$1,400,000	Finalizing cost
2. Power Complex Integration	\$20,000,000	
1440 – GSU Transformers	\$3,650,000	In progress
1427 – Auxiliary Packaged Electrical Equip	\$6,400,000	In progress
1447 – Boiler House Fan Mods	\$1,127,000	In progress
1462 – Blackstart Generator	\$1,650,000	Future bid (2024)
Design	\$2,325,000	In progress
Grid Control System and SOPs	\$2,500,000	Design in progress
Change Order Contingency	\$2,348,000	To address any change orders/additional costs on projects above

Water Intake Needs



Additional Pictures of Damaged Intake Fender System and Temporary Barge

updated September 2023
 SWBNO - IMF Fair Share Funding Proforma
 Jan 23 - Dec 25

Line	2023				2024				2025				Beginning Fund Balance 1/1/23							
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	24,157,243							
1																				
2	Total Estimated Revenue to SWBNO				Sources:	4,808,918	9,918,335	3,130,605	4,400,000	9,400,000	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	4,400,000	Total Projected Revenues	62,457,858	
3	Proposed revenue allocation ² :																			
4	<i>Ongoing Infrastructure Improvements (A)</i>					360,000	540,000	540,000	540,000	540,000	540,000	540,000	540,000	540,000	540,000	540,000	540,000		6,300,000	
5	<i>Infrastructure Modernization and Technological Improvements (B)</i>					3,358,918	2,743,335	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000		26,102,253	
6	<i>Infrastructure Power Complex (C)</i>					1,090,000	6,635,000	590,605	1,860,000	6,860,000	1,860,000	1,860,000	1,860,000	1,860,000	1,860,000	1,860,000	1,860,000		30,055,605	
7																				
8	Uses:					-	-	-	-	-	-	-	-	-	-	-	-			
9																				
10	Project List:				Type	Project status	IAB Status	Project Amount	Expended inception to date at 1/1											
11	Acceleration of Paving Contracts				(A)	ongoing	approved	4,000,000				(2,000,000)	(2,000,000)						(4,000,000)	
12	Water Treatment Plan Improvements: Sycamore Filter				(A)	ongoing	approved	3,000,000	-	(1,000,000)	(450,000)	(500,000)	(1,050,000)						(3,000,000)	
13	Construction of a new Bulk Chemical Feed and Storage Facility				(A)	re-bidding	approved	4,000,000	-					(1,000,000)	(1,000,000)			(2,000,000)	(4,000,000)	
14	Smart Metering Program Management				(B)	ongoing	approved	4,000,000	(1,461,673)	(101,572)	(283,663)	(455,687)	(250,000)	(250,000)	(250,000)	(250,000)			(3,552,594)	
15	Smart Metering Implementation ¹				(B)	ongoing	approved	15,000,000								(5,000,000)	(5,000,000)	(5,000,000)	(15,000,000)	
16	Master Plan/Strategic Plan				(B)	ongoing	approved	500,000	(475,567)			(29,639)	(20,000)	(10,000)	(10,000)	(10,000)	(20,000)		(575,206)	
17	Stormwater Fee Study				(B)	ongoing	approved	250,000	-		(145,795)	-							(145,795)	
18	Asset management software system				(B)	initial planning	approved	1,650,000	(48,060)			-	-	(250,000)	(500,000)	(500,000)	(250,000)		(1,548,060)	
19	T7 Solution				(C)	ongoing	approved	4,000,000	(2,452,547)	(218,947)	(180,326)	(328,883)		(107,516)	(107,516)	(107,516)	(107,516)	(107,516)	(160,406)	(3,986,203)
20	Power Complex integration and auxiliary components ¹				(C)	ongoing	approved	20,000,000	-	(1,907,125)	(1,216,000)	(1,824,000)	(904,263)	(5,012,613)	(291,963)	(3,000,000)	(3,425,000)	(2,400,000)		(19,980,963)
21	Total - Currently approved IAB project list							56,400,000												
22	Projects requested December 2023:																			
23	FY24 - Water Treatment Plan Improvements: Sycamore Filter Gallery (Continuation)				(A)			3,000,000						(1,000,000)	(1,000,000)	(1,000,000)			(3,000,000)	
30	FY24 Acceleration of Paving Contracts (Continuation)				(B)			4,000,000						(1,000,000)	(1,500,000)	(1,500,000)			(4,000,000)	
24	FY24 - Water Quality Master Plan and Strategic Plan				(B)			1,500,000					(300,000)	(300,000)	(300,000)	(300,000)	(300,000)		(1,500,000)	
25	FY24 - Replacement of New River Intake Fender System				(A)			6,000,000					(1,000,000)	(2,500,000)	(2,500,000)				(6,000,000)	
26	FY24 - Drainage Stormwater Fee Analysis (Continuation)				(B)			200,000					(50,000)	(50,000)	(50,000)	(50,000)			(200,000)	
26								14,700,000												
27																				
28															Total Projected Expenditures:	(70,488,821)				
28															Projected Fund Balance	16,126,280				
29	Other Potential Future Projects FY24:																			
31	Additional support for Power Complex Phase I				(C)		TBD	10,000,000												

¹ Portion of estimated costs to supplement overall Project funding needs (Fair Share funding to be utilized after other funding sources required to be spent first are exhausted) - See slide for details

² Allocation of IMF revenues used only for purposes of creating categories of potential types of infrastructure projects

Report of Revenue and Expenditures made pursuant to the CEA (R-079-2020)
Infrastructure Maintenance Fund
December 2023

REVENUES:

Notification				
Date	Period of Collection			Amount
9/16/2020	Inception to July	2020		\$6,225,937
10/30/2020	August	2020		124,241
11/18/2020	September	2020		113,567
12/11/2020	October	2020		193,427
1/21/2021	November	2020		283,861
2/3/2021	December	2020		375,772
3/12/2021	January	2021		339,083
4/9/2021	February	2021		467,665
5/7/2021	March	2021		489,066
7/30/2021	April	2021		831,941
7/30/2021	May	2021		867,499
9/29/2021	June	2021		859,495
9/29/2021	July	2021		1,037,999
11/23/2021	August	2021		1,076,227
11/23/2021	September	2021		367,756
2/4/2022	October	2021		811,584
2/4/2022	November	2021		906,411
2/22/2022	December	2021		1,267,007
2/16/2022	January	2022		1,192,533
4/14/2022	February	2022		1,162,811
4/14/2022	March	2022		1,573,525
6/1/2022	April	2022		1,803,796
6/13/2022	May	2022		1,797,916
7/15/2022	June	2022		1,531,207
8/24/2022	July	2022		1,119,291
10/20/2022	August	2022		1,930,992
10/24/2022	September	2022		1,063,217
11/28/2022	October	2022		1,222,930
1/18/2023	November	2022		1,663,964
1/23/2023	December	2022		1,460,455
2/17/2023	January	2023		1,471,901
3/16/2023	February	2023		1,565,128
4/21/2023	March	2023		1,771,889
5/18/2023	April	2023		1,856,530
6/23/2023	May	2023		1,540,719
6/5/2023	Special Allocation FY23	2023		5,000,000
8/17/2023	June	2023		1,521,086
8/17/2023	July	2023		1,146,823
9/20/2023	August	2023		1,010,476
10/23/2023	September	2023		973,306
12/1/2023	October	2023		\$1,101,902
TOTAL REVENUES				\$53,120,934

EXPENDITURES:

Date	Description	Amount
7/24/2020	5% cash payment required to match current year federal funding for the SELA Program, due 8/1/2020	\$1,030,625
12/30/2020	Olameter Corporation Contract for Meter Reading Services for Contract Readers. August Thru December 2020	410,788
2/22/2021	Olameter Corporation Contract for Meter Reading Services for Contract Readers. Revised September 2020 Invoice	13,801
2/22/2021	Olameter Corporation Contract for Meter Reading Services for Contract Readers. January 2021	70,263
6/30/2021	5% cash payment required to match current year federal funding for the SELA Program	2,486,836
January 2022	Asset Management assessment project for establishing a strategy for procurement and needs assessment	48,060
Cumulative thru December 2023	Raftelis Financial Consultants Contract for Consulting Services for Utility Strategic Planning.	475,567
Cumulative thru December 2023	Design costs related to the acquisition of Turbine 7	2,194,659
Cumulative thru December 2023	Smart metering design and program management	2,732,067
Cumulative thru December 2023	Sycamore Filter Gallery water purification rehabilitation	2,092,721
Cumulative thru December 2023	Raftelis Financial Consultants Contract for Stormwater Fee Study	145,795
Cumulative thru December 2023	Power Complex Contracts (Auxiliary Power system and step up transformers)	5,851,388
TOTAL EXPENDITURES		\$17,552,571

Amounts Available for IAB Projects	\$35,568,363
------------------------------------	---------------------