ENVIRONMENTAL SERVICES UTILITY
BOARD MEETING
OCTOBER 28TH, 2021
SUMMARY OF MINUTES

The meeting for Kankakee Environmental Services Utility was held on Monday, October 18th, 2021 at 6:00 P.M. in the Public Safety Building.

ESU Members Present
Ald Mike Prude
Ald Mike O'Brien
Ald Larry Osenga
Ald Danita Swanson
Ald Kelly Johnson
Ald Reginald Jones
Clerk Stacy Gall

Interim Superintendent
Dave Tyson, PE, IPLS

Additional Alderman Present
Ald Lance Marczak
Ald Dave Crawford

ESU Staff Present
Clara Hall, Admin/Tech Opers Mgr
Zach Newton, GIS/Opers Mgr
Dennis Doyle, DPW Asst. Supt.
James Lopez, DPW Opers Mgr

Others Present
Elizabeth Kubal, Comptroller
Maureen Kambic, Asst Compt.

VICE CHAIR SWANSON: The Environmental Services Utility Board meeting is called to order for Monday, October 18th, 2021. Mayor Curtis could not be here tonight. I am Vice Chair and I will run the meeting at this time. Are there any public comments?

Hearing none we will move on to Section two, which is Roll Call.

ROLL CALL

CLARA HALL:

Ald Lewis - Absent	Ald Swanson – Present
Ald Prude - Present	Ald Johnson - Present
Ald O'Brien - Present	Ald Jones - Present
Ald Osenga –	Clerk Gall - Present
PRESENT: 6	**ABSENT:** 1

APPROVAL OF MINUTES

VICE CHAIR SWANSON: We have a quorum. Alderman Osenga will try to make it he has another engagement. Also, Elizabeth Kubal will be running late this evening. We are going to do the minutes and then move the presentation up. Motion to approve the minutes from Monday, September 20th, 2021. Do I have a motion to approve?

ALD PRUDE: I will make that motion to approve the minutes.

ALD JOHNSON: Second.

VICE CHAIR SWANSON: Motioned by Alderman Prude and Seconded by Alderwoman Johnson. Any questions, comments, changes. Hearing none, Roll Call.

CLARA HALL:

Ald Lewis - Absent	Ald Swanson – Aye
Ald Prude - Aye	Ald Johnson – Aye
Ald O'Brien - Aye	Ald Jones – Aye
Ald Osenga -	Clerk Gall- Aye
AYES: 6	**NAYS:** 0

VICE CHAIR SWANSON: Thank you. Now we will have the presentation by Joe Sullivan.

PRESENTATION

JOE SULLIVAN: Good Evening thanks for having me. I am from Robinson Engineering and this presentation is on Sanitary Sewer Investigation and Rehabilitation. We have been specialist in this for decades. Outline and the three types of sewer…GIS Manager put a video together sewer/manholes with real time updates. Inflow is the. The water that flows

directly coming in at a much quicker pace, it's coming from the downspouts and gutters and cross connections. This graphic here shows what happens when it starts raining, the sewers fill up a storm sewer fills up, and you see that the sanitary sewer fills up quickly right behind it, causing a sewer backup so that's what I&I causes. The goals of an I&I reduction program are improved quality of life, basically reducing basement backups into the homes, if anyone's ever lived through a sewer backup it's, it's terrible on reducing operating costs. Cost that lift station so pumping sewage flow equals spending money and energy. This is actually from the stone street lift station in Kankakee. These are huge screw pumps up so you can imagine the energy it takes to pump these, and with extra flow in the system I&I. You might have all three of those pumps running and that expenditure is triple than what it would be in normal flow. There's also a billings, with the treatment plant, KARMA, and then expansions possible expansions, as well as emergency sewer repairs. It always cost more money to fix the sewer in an emergency situation than just for plant maintenance. Again, going back to the quality of life and improving resident's quality of life, basement backups. So, I did notice on Evergreen and Merchant when I went out with the utility department, that there was a combined sewer manhole. The pipes coming in at the top worse from storm sewers and at the bottom from sanitary sewer. This was also being separated at the time, so our construction was taking those old pipes out and rerouting the sewers, you can see in the trench. Are the results of a poor I&I reduction program. Basically, the basement backups, we talked about, and then sewer overflows so if you ever see a sewer overflow that's a violation, and shows that there's a I&I problem. Next, I'll get into some typical investigations. So the first is flow monitoring. We can basically measure depth from the sewer and velocity and calculate flow. This is a great starting point for an I&I reduction program because it helps to pinpoint the areas that have the most, most I&I based on the rain. This next slide will show flow monitoring basis shows basically each, each one of these colored basins has a flow meter associated with it at the outlet point. For the Village of Bradley a media flow monitoring analysis and basically, we were able to look at the sharp peaks and flow from rainfall as well as the overall volumes of flow and we came up with these, these graphics that basically are like a road map to show which basins have the worst or most

severe I&I. Sanitary Sewer Cleaning and televising is exactly as it sounds. The following picture shows a hydro jet flusher cleaning up to sewer the top left shows a vacuum truck to vacuum it to bring it out. This is all done in advance of cleaning or televising operations. So you can see, this next slide here actually shows. This actually shows some sewer televising videos so you can see there's cracks on the bottom on the top. This service lateral connection is all broken and rough and there's actually water infiltrating into the sewer at this point as well. But this is how we assess the inside of the pipes. Some typical effects; fractured pipe, collapse pipe, directional drilling damage, from other utilities that dashboard through the sewer. Smoke testing is a very highly visible sewer investigation, finds the big leaks in the system pretty quickly, where Smoke gets out water can get in. So basically you can see as a typical smoke testing setup there. We do notify in advance with door tags and mailers to all residents will be affected by smoke testing. Some typical smoke test defects include: defective cleanouts, processing connected storm drains, defective laterals, and then downspouts tied into the sanitary sewer. We have developed this really slick smoke testing dashboard so that the city and utility department could see real time while we're collecting that data in the photos, as we're, as we're finding defects and see the progress as the work unfolds. Manhole inspections, they provide an inventory of your assets, so we would look for new manholes buried missing manholes and then provide what types of manuals of those are also put those in GIS and look for any structural defects or any I&I coming into the manholes. Typical manual inspection defects would include: a bench failure of broken frame or lid manual frame offset or missing bottom mud bottom, we actually saw one of these over at Cedar Street near the city's building over at Hobbie. And then we have a manhole inspection dashboard which shows all the manholes projects and inspection, as well as when those manholes were repaired. House to house surveys, Those are done to look for additional I&I, when you haven't gotten enough out of the system you can go door to door and look at internal sump pumps connected to the sanitary sewer. Now on to some sewer rehabilitation projects. So sewer lining is when you actually put a pipe inside an old pipe you rehabilitated with a pipe inside the pipe, it actually can be cured and hardened with either steam hot water or UV cure so basically you redo the pipe giving yourself another 50 to

100 years designed lifetime sewer. This slide here shows an example of a before line sewer and an after line sewer so you can see deterioration on the left. There's hydrogen sulfide corrosion on the right we have a brand new sewer within the sewer, and it's completely structural. Pipe repairs are done wherever the sewers in such bad shape is collapsed and you can't get a liner through it. So sometimes it's necessary to excavate, here's a couple examples where they're excavating and putting in new pipe. Manhole repairs/rehabilitation, you could see a complete manual view of replace on the top left, or new frames and lens in the bottom and cone section or at least invasive internal chimney seal on the bottom right. Just like the mains can be line service laterals can be lined, this called lateral lining. It also can be called T lightning when a portion of the main the ensemble of land and service lateral. I was lucky enough to see last week the first ever UV cure T liners go in and one of our communities. That's a picture on the right of the main and the service later on was a fiberglass T liner, they do require a clean installation sometimes but they've invented a process where they can use a vacuum tube, and it's very less, very less excavation required for that. This graphic just shows the before and after flows for a client of ours where they did a complete lateral lining program. And you can see the orange is the before the blue is the after there was a 75% reduction in flow of extraneous flow getting into the system. This video is an old brick sewer 42 inch sewer, the reason I show it is because I know the city of Kankakee has some old stories like this, especially up near the Meadowview Plaza exceed a 48 inch sewer up there like this, but this was another community, and they came to this which was a big collapse in their sewer system. The reason I show it because it actually happened to be under a major roadway. This is 127th Street so as a major roadway. Robinson worked with a contractor, we came up with a plan to fix the sewer put in wood staves and expansion bands in the sewer. And then basically, here's a graphic showing the size of the void was 17 feet by 19 feet under the roadway. But what we ended up doing was forming and pouring six feet of concrete above the pipe. And then after that, another 12 feet of control books, reading material so that they ever had to dig again they could, and the sewer the new sewer wall was the concrete mass. So, I know together that we can finally remove I&I and improve Kankakee's underground infrastructure adding 50 to 100 years of design life, reduce operating

costs, reduce basement backups and sewer overflows and improve the quality of life for Kankakee citizens. And thank you for having me. And that is there any questions?

DAVE TYSON: Can you say a little bit to that? I asked him to come down and give this presentation, because as I said, a couple meetings ago. I'm trying to turn the ESU around to be proactive instead of reactive. And the only way we can get ahead of the game is to find out where we have sewer problems where we have failures, where we need to put some money into it right now. We can't have a chance with ARPA money to do this right now so that's part of what we're presenting I've gone over with Elizabeth and we haven't finalized anything but that's what we want to do is start looking at being able to find programs so we know what this is. Not only will this help Kankakee, as far as, what our maintenance and how far behind we are now, it's going to save us money down at KRMA, because the less amount of clean water we're saying we're paying the same amount to clean rainwater is you are very good sewer water, so the more we can station down here, the more money we can save with the city and it helps everybody because it increases our KRMA too, and maybe we don't have to have such a big expansion. So this is something that's not, you know, nice and sexy like a brand new building or something like that but infrastructure underground is every bit as important as everything else and that's, that's why guys like you don't want around experts in what they do. I know they've been working with the Village of Bradley, you can check they have cut the Village of Bradley's I&I down drastically, without making projects just by finding key positions and points where they have to make corrections so this is just something I feel we are way behind on. Now, I want to make this presentation so I will be coming back with a proposal for you. I'm happy to answer any questions you have.

ALD O'BRIEN: And he talked about basically backups and things we have areas in mind and present. Let's see would be the chronic areas where there's all backups and there's a heavy rain this would be something that could be targeted to those areas to help identify potential problems and come up with solutions is that right?

JOE SULLIVAN: Absolutely, yeah this is finding those I&I sources and eliminating them so that they're no longer problems in your community.

ALD O'BRIEN: And then Dave mentioned this, he said we'll have a proposal of some sort to consider.

DAVE TYSON: Yes, absolutely. Before I bring a proposal I want to work out the budget items and numbers but we're going to have. Once we know or have an idea what we feel we can spend on this proposal. It'll probably be to pick up a proposal, not only to do the initial study, but then to also have somebody allocated into major repairs.

ALD CRAWFORD: You did say we can use some of the ARPA money.

DAVE TYSON: Yes, every bit of this type of work can be done with ARPA funds.

ALD O'BRIEN: This is somewhat off topic, but I have an issue with drains clogging from grass clippings or whatever, everything, effectively just simply causes a lot of standing water in the streets, a lot of challenges.

DAVE TYSON: That is a problem, I mean certain grates that you have are more susceptible to clogging and others. If people are throwing grass clippings or leaves out into the street you can get heavy rains, it's going to float with water closes in a block. No, there's no way that the DPW can be throughout the whole city. I know in some of the neighborhoods I've lived in and we kind of had our own little neighborhood watching; running off the inlets, the rain, and it really has to be done. We've got a lot in the city. We've got a lot of beautiful trees have a lot of leaves. These inlets are going to clog up. Once they come down and we can rake them and pick them off. That's why they don't really want them on the street.

ALD MARCZAK: Besides using the ARPA money we just allocated money for a grant writer. Are you aware of any federal grants that we can go after? This is a lot of amount of money because this isn't a little project, this could be millions of dollars.

JOE SULLIVAN: Well, I know a lot of communities take advantage of the State Revolving Fund, the Illinois IP and low interest loans for this type of work on so I know that's pretty typical on an

annual basis. And then, a lot of people are using our money as well.

DAVE TYSON: There are sanitary money that is going to be coming in available that has hasn't been released that are in the federal government right now. From the looks of it from what we've seen, looking through the KARMA part of it. We're probably two years out three years out. But yes, I mean this is not a one-year project, this is an ongoing project that we'll be doing to try and get ahead of things like I said proactive as far as getting prepared so we'd always be looking for promoting support.

APPROVAL OF BILLS

CHAIRWOMAN SWANSON: Okay, anybody else have any questions for David or Joe? Okay, Thank you. Go ahead and move on with the agenda with the approval of bills and the total amount of $809,344.92. Do I have a motion?

ALD OBRIEN: So move.

ALD JONES: Second.

CHAIRWOMAN SWANSON: Motioned by Alderman O'Brien and seconded by Alderman Jones to approve the bills. Are there any questions? Roll Call

CLARA HALL:

Ald Lewis - Absent	Ald Swanson - Aye
Ald Prude - Aye	Ald Johnson – Aye
Ald O'Brien - Aye	Ald Jones - Aye
Ald Osenga -	Clerk Gall - Aye
AYES: 6	**NAYS:** 0

VICE CHAIR SWANSON: Bill are approved. Our next item on our agenda, are the monthly activity reports, Zachary, you wanted to go ahead and start

ZACH NEWTON: We got about 30,000 miles of smart sanitary lines clean. The hydro did not run much less than 120 goes down, because you know we're still gotta decide what we really want to do, we stopped unit one while we make those decisions. Trying to race against the clock with the season to finish in house repairs that we can do. And we got 13 of those done. It's looking pretty good. We might still have a

few more outstanding. Lastly, I just want to give an update on the LaBeau building making slow but steady progress with that. The Code area is being staged, we're trying to work through finalizing some last obstacles that we can get a more definitive move in and date. We are making progress. I still can't give a set date yet when it is with a movement, but we are moving closer to that goal. And as soon as we can we will get everything moved.

VICE CHAIR SWANSON: Does anybody have any questions for Zach? Thank you. Dennis?

DENNIS DOYLE: It's all in your report. Two items I'd like to touch on. Tree work. We were planting trees last week we'll probably do more planting this week, and then we'll be we'll be pretty covered. Salt, we did get in contact with some people at the state. We have been picked up so we will be able to buy salt, we don't know how much it will cost for another couple of days yet. So, we will get that information out to you.

VICE CHAIR SWANSON: Any questions for Dennis? Alderman O'Brien?

ALD O'BRIEN: Tree planting, are these the trees that were planted in terrace? Do you have any information about the details of that program so we could promote that service?

DENNIS DOYLE: I'm pretty sure there is something on the city's website but I will definitely make sure.

VICE CHAIR SWANSON: Any other questions for Dennis? Okay, thank you. Clara, do you have anything you want to talk about.

CLARA HALL: I don't have much tonight. Technical services has actually done very well with staying on budget, and we have had about five pole accidents, this year, half of them. Two of them do have insurance, so we are going after those to collect. The other one, I believe it's just a hit and run. We tried to find a police report but where there was nothing recorded. We had one accident that we have a report fort but no insurance so we just have to eat the cost of that. When these types of things happen, we do try to rebuild poles if it's possible, depending on where the damage is of course. We have a couple of poles on order with the issues of shipping. Some of our items are taking a little longer

than usual to get here. Also, earlier this summer I mentioned to you that we had the sirens checked. There was one that we could not get to. I wanted to say, special thanks to Dennis Doyle and DPW. They did clear the one bad area by I57 and the technician was able to service the siren. Everything is going well. As far as the technical services building at LeBeaus we are 90% in our building. We're actually moving my office furniture over tomorrow so with that being said, that's all I have.

VICE CHAIR SWANSON: Any questions for Clara. Thank you, Dave, do you want to, say anything for Alan or yourself?

DAVE TYSON: Actually, everything's going pretty smoothly. The Lab, I really want to let everybody know here we do have an openings at the Lab actually two positions we've interviewed for both of them. We're in the process right now and making offers. So things are moving along moving very smoothly right there and Alan is taking care of things very well.

ELIZABETH KUBAL: Has the truck been delivered?

DAVE TYSON: To explain the truck is probably 20 weeks out yet it's not, we kind of fell in a window where they get rid of some trucks. We were originally buying from Hove and they were no longer able to get it, of course reports that they were able to get it directly to get it less than what we was went with at the time, they are trying to expedite it as best they can, But we're looking at probably 20 weeks before we get it. The other van, we are going to reutilize it back into sort of reserved sewer service as part of ESU that needs for maintenance. So we will use.

VICE CHAIR SWANSON: I just want to note for the minutes that Alderman Osenga is present. Thank you. And Elizabeth, do you want to go over the financials?

ELIZABETH KUBAL: Yes, thank you. I think no news is good news is generally a philosophy that I use and I think that this month is no different in my life. Yep. Okay, great. I just I said earlier, I have no news is good news I want to kind of reiterate what Clara said this month percentage wise and across all the departments in general, percentage of our holding very, very well at the five months point as you can see at the top of the page you should be at 41.67%, and every single

department is beneath that, it will be right on target of course we are debt service, as we service that normally throughout the year. I have actually nothing to report some of these numbers will start to go up though, as you know we are looking toward tonight in Executive Session for getting some of these contracts resolved. That of course will result in some retroactive pay. So that will make the salaries of languages go up a wee bit. But in general, right now we're trending very very well. A couple things on the back page that I wanted to highlight on page three, versus total utility expense. Overall, the entire utility right now we're only at 35.2%, which is excellent and revenue the year to date is that 37.7% in dollars that translates to about $500,000 We were running ahead of revenues and expenditures at this point in time which I feel very good about underneath the all the accounts at the bottom, the capital account again says N/A, I did a report for those of you on budget. If you were there that night you saw a capital report that my team put together for your analysis project so we can look at different projects we've been completing, we're in the midst of doing that for ESU as well. We do not have it completed as of yet, but if we get it done for the next week or so during the pace that I will go ahead and get it out to this group. I'll probably just send it to the council, just so that you can have that, and then that'll make those kinds of numbers make sense to you have to do a transfer from the ESU operating to make the practical whole again, that we do that from time to time and to make that final transfer. So that's where we're at with that situation. So that so look for that summary to come, I did want to make notes that the you've heard Joe the gentleman present about the IEPA loans that are available, as you recall that, those, those funds that loan was exactly how we pay for certain streets, and those payments are due semi-annually, and our payment that was due on October the 14th it was made last week on time, and it was about 120,000.00. It was the amount that was paid, and that was accomplished so I just want to report to the, to the committee about that. Any questions?

VICE CHAIR SWANSON: No questions. Thank you Elizabeth. Alright, we're gonna move on. We don't have anything under old business. We do have unfinished business- hydro plant number one.

DAVE TYSON: There's really not a whole lot to report on that we don't have the unit back in Michigan we're still waiting for the

final price before we asked to get it back to be perfectly honest we're still trying to do a total analysis of number one what it's going to cost to repair the hydro plant. Then we want to do a cost analysis to find out, is it worth repairing. We're buying energy right now at 4.96 cents a kilowatt, when we're making a lot of money off this hydro plant here we're charging firm 12 cents a kilowatt. Those days are probably gone so we have a more efficient way to be able to make money on it. We're looking at Com Ed right now to see if it let us know directly in the comment grid that we don't have a maintenance of the transmission line that goes from KARMA from hydro plant so hopefully within the next 30 to 60 days we're going to have a full-fledged report that we can present to you and give you a what are likely to be in the future that I plan to make sure we're gonna spend money on we want to make sure it's gonna be worth it.

VICE CHAIR SWANSON: Alderman Marczak?

ALD MARCZAK: Are we prepared the first water pump yet?

DAVE TYSON: No we haven't. But we have set down the third turbine so I'm really uncomfortable with that *(inaudible)* water into it, we're, we're still waiting for Glade and PSI to give us numbers back to try to bring it in from one of the front bays instead of from that, from what brought in from or else we had to figure out how to replace something to know where we can pull the pump up and down right now. So, it's not costing us money now that we are looking at that because if we do turn back on, we do want to save a lot of noise by between $1000 - $2,000 a month for water *(inaudible)* basically is electrical problems.

VICE CHAIR SWANSON: Anybody else have any questions for Dave? Okay. Thank you. Moving on to new business both are for DPW So Dennis, do you want to start with A DPW Surplus.

DENNIS DOYLE: You have a list of 13 things there. As we are moving out of the Space Center we just find more stuff we don't have a need for anymore. A lot of it's not very good, because we don't have city auctions anymore. So this stuff needs to be declared surplus. I believe there's some other vehicles and things that are coming from Code on down the line here and to see if we can get an auctioneer or somebody to do this.

VICE CHAIR SWANSON: Okay so we probably need a motion to declare these items surplus.

ALD O'BRIEN: So move.

ALD OSENGA: Second.

VICE CHAIR SWANSON: Motioned by Alderman O'Brien and seconded by Alderman Osenga. Roll Call.

CLARA HALL:

Ald Lewis - Absent	Ald Swanson - Aye
Ald Prude - Aye	Ald Johnson – Aye
Ald O'Brien - Aye	Ald Jones - Aye
Ald Osenga - Aye	Clerk Gall - Aye
AYES: 7	**NAYS:** 0

VICE CHAIR SWANSON: And the next item under new business. DPW Appointment.

DENNIS DOYLE: We're proud to announce our new Operations Manager is James Lopez. James has been with us for close to 15 years with a wide variety of experience. Most of the things that we do down here. He's hit the ground running, he started fast.

VICE CHAIR SWANSON: James, do you have anything you'd like to say?

JAMES LOPEZ: I just want to thank Dennis for giving me this opportunity to be in charge. I'm looking forward to learning the things Dennis has to teach me. I'm ready to go.

VICE CHAIR SWANSON: Thank you. Welcome aboard. Next time on the agenda is executive session and we have no need for an executive session. Go ahead Dave.

DAVE TYSON: One other thing is just bring everybody up to date on it's just I'm trying to keep up to date on everything we're doing, not to bring up sore subjects but we're going to talk about software a little bit. I did have a meeting with its called visual user experience got through people that did software, they're the people who hired a car. We brought we brought into this company at the KARMA executive group over there. And we were able to get a software to sell within six months, that software is working, Fantastic over there, the call center was thoroughly possible we'd already had invested in software before so I mean it was very economical to do, it's already paying for itself, is what I'm

getting numbers from this company to try to install here in Kankakee and I'll come back with the proposal on that. Again, it's ARPA money available it's all applicable for that so we can use that money, but it will help us track our inventory or pumps, etc.... Notice change our personnel or work orders it just helps all that for those of you on the KRMA Board we're starting to talk about the uncertainty expansion in KARMA right now. The company that came in, it's actually doing the studies and find out what we could say enough good about the software that we have. It's already operating there and going at it and going probably for six months right now that they're able to tell the age of our equipment, the efficiency of the equipment where it's at and it's useful life so that that's the same type of stuff we should have here that's what we were trying to get to. So I'm kind of trying to basically regenerate the infrastructure to move in that direction, because again, if we're proactive, then we know what to plan for other types of monies to replace pumps do everything else instead of having probably 80% of our lift station pumps out 20 to 25 years old. Well, they all know one time, guess what that's going to be a huge answer to don't have happen so anyway just to let you know, we are going to be talking about that, because it's going to be a lot less we found that we will be able to license with KARMA. So that will save us about $70,000 to do that. And the reason we would want to do that is not to throw out too many acronyms out there but our CMOM which is our maintenance program for sewers is tied to KARMA because currently has *(inaudible)* So KARMA is the mother of basically the permitting for our sanitary sewer systems here, even though there are a few, are all individual supers that come into it. So that's why we're able to tie, or leave as part of their license to be able to get a license on them to be totally separate from them, we, you know, they wouldn't be able to know what we're doing and vice versa. But it's a way that we can use the same system. Again, I'll have more for that probably in the next week, I should definitely have a proposal on that to that, I'd like you to consider.

ADJOURNMENT

VICE CHAIR SWANSON: Any concerns or questions from anyone? Okay, I'll entertain a motion to adjourn?

ALD PRUDE So move

ALD JONES: Second.

VICE CHAIR SWANSON: Motioned by Alderman Prude and seconded by Alderman Johnson. All in favor?

ESU BOARD MEMBERS: Aye.

VICE CHAIR SWANSON: Opposed same sign? Okay, we are adjourned. Thank you.

ENVIRONMENTAL SERVICES UTILITY
ACCOUNTS PAYABLE

November 15, 2021

CHECK#	DATE	VENDOR	DESCRIPTION	AMOUNT	ACCOUNT
31158	11/15/2021	A TOUCH OF GLASS CLEANING	DEPOT/SEPTEMBER CLEANING	1,630.00	51.20.577
31159	11/15/2021	A-1 RAICHE LOCKSMITH	KEYS	16.75	51.50.502
31160	11/15/2021	AIRGAS USA LLC	CYLINDER RENTAL	98.14	51.20.502
31161	11/15/2021	AQUA ILLINOIS, INC	13035600969532 10/1-11/1	28.63	51.20.555
31161	11/15/2021	AQUA ILLINOIS, INC	13729811028326 10/1-11/1	116.14	51.20.555
			CHECK TOTAL	144.77	
31162	11/15/2021	ARAMARK	LAB COATS 10/27/21	32.90	51.20.518
31162	11/15/2021	ARAMARK	LAB COATS 11/3/21	32.90	51.20.518
			CHECK TOTAL	65.80	
31163	11/15/2021	BEAUPRE INC.	TOWING 9/27/21	150.00	51.50.572
31163	11/15/2021	BEAUPRE INC.	TOWING 10/22/21	95.00	51.20.572
31163	11/15/2021	BEAUPRE INC.	TOWING 10/13/21	125.00	51.20.572
			CHECK TOTAL	370.00	
31164	11/15/2021	BEST ONE TIRE & SERVICE	#8/TIRES, REPAIR	262.00	51.20.572
31165	11/15/2021	CED CONSOLIDATED ELECTRICAL	ADAPTER, CONDUIT CPLG	2.03	51.20.502
31166	11/15/2021	CELLAR GRAPHICS INC	SWEATSHIRTS, HOODIES	833.00	51.50.502
31167	11/15/2021	CENTRAL STATES FUNDS	INTEREST-SEPT LATE PMT	92.88	51.217
31168	11/15/2021	CHRISTIANSEN AUTO PARTS	S4 BRAKE SHOE HARDWARE	27.43	51.50.572
31168	11/15/2021	CHRISTIANSEN AUTO PARTS	S4 WATER PUMP	158.99	51.50.572
31168	11/15/2021	CHRISTIANSEN AUTO PARTS	VAC4/BATTERY	130.22	51.50.572
31168	11/15/2021	CHRISTIANSEN AUTO PARTS	ANTI SEIZE	17.98	51.50.572
31168	11/15/2021	CHRISTIANSEN AUTO PARTS	SILGLYDE,GREASE,BRUSH	34.46	51.50.572
31168	11/15/2021	CHRISTIANSEN AUTO PARTS	BRAKLEEN	47.88	51.50.572
31168	11/15/2021	CHRISTIANSEN AUTO PARTS	OIL DRI	129.00	51.50.572
			CHECK TOTAL	545.96	
31169	11/15/2021	COMED	9117143011 9/23-10/22	92.06	51.20.551
31169	11/15/2021	COMED	3251141011 9/21-10/20	90.37	51.20.551
31169	11/15/2021	COMED	0458025048 9/27-10/26	284.64	51.20.551
31169	11/15/2021	COMED	0207105128 9/27-10/26	260.51	51.20.551
31169	11/15/2021	COMED	0141163037 9/27-10/26	176.87	51.20.551
31169	11/15/2021	COMED	0128159053 9/27-10/26	534.30	51.20.551
31169	11/15/2021	COMED	0094099073 9/27-10/26	1,019.63	51.20.551
31169	11/15/2021	COMED	0416085008 9/27-10/26	90.90	51.20.551
31169	11/15/2021	COMED	0298092065 9/27-10/26	111.66	51.20.551
31169	11/15/2021	COMED	0134067011 9/27-10/26	200.66	51.20.551
31169	11/15/2021	COMED	1360457004 10/1-11/1	290.56	51.20.551

31169	11/15/2021	COMED	0063043121 9/29-10/29	88.01	51.20.551
			CHECK TOTAL	3,240.17	
31170	11/15/2021	CONNOR COMPANY	BUSHING	14.13	51.20.502
31171	11/15/2021	CONSTELLATION NEWENERGY	707619-1 6/27-10/26	3,400.40	51.20.551
31172	11/15/2021	COURT STREET FORD	#5/OIL, AIR FILTER	128.71	51.20.572
31173	11/15/2021	CRITTER RIDDER, INC.	OCT, NOV SERVICES	385.00	51.20.577
31174	11/15/2021	DEPKE GASES & WELDING	CYLINDER RENTAL	90.00	51.50.522
31174	11/15/2021	DEPKE GASES & WELDING	CYLINDER RENTAL	18.00	51.20.502
31174	11/15/2021	DEPKE GASES & WELDING	VISOR, BRUSHES	30.68	51.50.502
31174	11/15/2021	DEPKE GASES & WELDING	ARGON	79.20	51.20.502
			CHECK TOTAL	217.88	
31175	11/15/2021	DOUGLAS BORN	TOOL ALLOWANCE	500.00	51.50.502
31176	11/15/2021	FASTENAL COMPANY	RUSTOLEUM PAINT	29.77	51.33.502
31177	11/15/2021	FLEETPRIDE	VALVE, GLOVES	45.73	51.50.572
31178	11/15/2021	GALLAGHER MATERIALS	ASPHALT 10/22/21	511.20	51.50.588
31179	11/15/2021	GASVODA & ASSOCIATES	ELECTRODES, ORINGS	141.08	51.20.502
31180	11/15/2021	GEORGE SPIESE	TOOL ALLOWANCE	500.00	51.50.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	PSB/BALLAST	166.60	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	CONNECTOR, STRAP	35.60	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	RECEPTACLES, WIRE,	191.95	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	COVER, RECEPTACLE	17.61	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	MINI CIRCUIT BREAKER	24.09	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	LED WALLPACK, LIGHT-EXIT	193.15	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	STEEL BOX, COVER	148.94	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	LOCKNUTS, WASHERS	5.41	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	PLUG, CAP, RECEPTACLE,	191.76	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	SWITCH, COVER,PLIERS	72.29	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	P STRUT CLAMP	12.55	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	CODING TAPE	19.92	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	FUSE, HOLDER, BOOT	456.80	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	CONNECTOR, EXIT	40.11	51.33.502
31181	11/15/2021	GORDON ELECTRIC SUPPLY	CONDUIT, COUPLING	38.15	51.33.502
			CHECK TOTAL	1,614.93	
31182	11/15/2021	HACH COMPANY	TKN TESTS	454.91	51.40.503
31182	11/15/2021	HACH COMPANY	PHOSPHORUS TESTS	673.50	51.40.502
31182	11/15/2021	HACH COMPANY	NUTRIENT BUFFERS	304.20	51.40.502
			CHECK TOTAL	1,432.61	
31183	11/15/2021	HAMENDE SEWER INC	STN6/ROD DRAIN	150.00	51.20.577
31184	11/15/2021	HERITAGE FS INC-PEOTONE	10W BULK, 15W40 BULK	4,570.25	51.50.572
31184	11/15/2021	HERITAGE FS INC-PEOTONE	AP GL5 80W90 16 GAL	540.48	51.50.572

31184	11/15/2021	HERITAGE FS INC-PEOTONE	STONE ST OIL	729.30	51.20.514
			CHECK TOTAL	5,840.03	
31185	11/15/2021	HICKSGAS	PROPANE TANK RENTAL	100.00	51.20.502
31185	11/15/2021	HICKSGAS	PROPANE	51.74	51.20.502
			CHECK TOTAL	151.74	
31186	11/15/2021	HOLOHAN HEATING & SHEETMETAL	BACKFLOW TEST/HARRISON	125.00	51.20.577
31186	11/15/2021	HOLOHAN HEATING & SHEETMETAL	STN4/THERMOSTAT	484.26	51.20.552
31186	11/15/2021	HOLOHAN HEATING & SHEETMETAL	DPW/REPLACE GAS PIPE	3,995.00	51.20.577
31186	11/15/2021	HOLOHAN HEATING & SHEETMETAL	STN5/CHECK UNIT	199.00	51.20.577
31186	11/15/2021	HOLOHAN HEATING & SHEETMETAL	STN5/REPLACE FAN,LIMIT	746.52	51.20.577
			CHECK TOTAL	5,549.78	
31187	11/15/2021	INTERSTATE BILLING SVC	FEMALE TERM, ELEC JUNCT	65.42	51.50.572
31187	11/15/2021	INTERSTATE BILLING SVC	CONNECTOR	43.80	51.50.572
			CHECK TOTAL	109.22	
31188	11/15/2021	JOE'S AUTOMOTIVE INC	#6/EXHAUST, OIL CHANGE	986.15	51.20.572
31189	11/15/2021	KANKAKEE ACE HARDWARE	BRUSH CLEANER	34.52	51.20.577
31189	11/15/2021	KANKAKEE ACE HARDWARE	THERMOSTAT, WAX RING	69.32	51.20.577
31189	11/15/2021	KANKAKEE ACE HARDWARE	BATTERIES	8.99	51.20.501
31189	11/15/2021	KANKAKEE ACE HARDWARE	WRENCH,PLIER,GREASE GUN	81.08	51.20.503
31189	11/15/2021	KANKAKEE ACE HARDWARE	SOCKETS	39.99	51.20.503
31189	11/15/2021	KANKAKEE ACE HARDWARE	COUPLE FLEX	9.21	51.50.502
31189	11/15/2021	KANKAKEE ACE HARDWARE	SPRAY PAINT, STABLIZR	26.25	51.50.502
31189	11/15/2021	KANKAKEE ACE HARDWARE	SPRAY PAINT	27.00	51.20.577
31189	11/15/2021	KANKAKEE ACE HARDWARE	WRENCHES,NIPPLE,ELBOW	164.26	51.20.503
31189	11/15/2021	KANKAKEE ACE HARDWARE	SNOW BLOWER GLOVES	24.94	51.50.502
31189	11/15/2021	KANKAKEE ACE HARDWARE	GALVANIZED NIPPLE	11.51	51.20.502
			CHECK TOTAL	497.07	
31190	11/15/2021	KANKAKEE COUNTY TREASURER	PAVEMENT MARKINGS	20,928.71	51.50.588
31191	11/15/2021	KANKAKEE GLASS COMPANY	PSB,ADM/SCREEN REPAIR	326.25	51.20.577
31192	11/15/2021	KANKAKEE RIVER METRO	OPERATIONS,MAINT-NOV	240,833.00	51.30.553
31192	11/15/2021	KANKAKEE RIVER METRO	OWNERSHIP-NOV	189,782.00	51.30.553
31192	11/15/2021	KANKAKEE RIVER METRO	BOND DEBT SVC-NOV	69,292.00	51.30.553
			CHECK TOTAL	499,907.00	
31193	11/15/2021	KANKAKEE VALLEY CONSTRUCTION	ASPHALT 10/26/21	1,533.75	51.50.588
31194	11/15/2021	MENARDS #30930262	RAKES,EARPLUGS,MASKS,	187.70	51.50.502
31195	11/15/2021	MENARDS #30930322	GALV ELBOW,REDUCER,NIPPL	11.25	51.20.502
31195	11/15/2021	MENARDS #30930322	SCREWS,ANCHOR,BRUSH,TRAY	72.29	51.20.577
31195	11/15/2021	MENARDS #30930322	PRIMED BOARD	22.77	51.20.577
			CHECK TOTAL	106.31	
31196	11/15/2021	MICKEYS LINEN & TOWEL SUPPLY	PSB/5321 RUG SVC 10/26	62.92	51.20.518
31196	11/15/2021	MICKEYS LINEN & TOWEL SUPPLY	ADM/5210 RUG SVC 10/26	50.00	51.20.518
			CHECK TOTAL	112.92	

31197	11/15/2021	MIDWEST BALANCE CO	CLEAN,CALIBRATE BALANCES	400.00	51.40.571
31198	11/15/2021	MOTION INDUSTRIES INC	SPREADER PARTS	60.08	51.50.572
31198	11/15/2021	MOTION INDUSTRIES INC	RIP & FIT MAT ROLL	164.91	51.50.572
			CHECK TOTAL	224.99	
31199	11/15/2021	NICOR GAS	20336504590 9/17-10/18	67.88	51.20.552
31199	11/15/2021	NICOR GAS	88865570860 9/17-10/19	185.39	51.20.552
31199	11/15/2021	NICOR GAS	40882623032 9/17-10/19	145.28	51.20.552
31199	11/15/2021	NICOR GAS	30826120005 9/17-10/19	185.68	51.20.552
31199	11/15/2021	NICOR GAS	81649120003 9/17-10/19	1,518.52	51.20.552
31199	11/15/2021	NICOR GAS	97176120000 9/20-10/20	50.30	51.20.552
31199	11/15/2021	NICOR GAS	29028120003 9/20-10/20	72.16	51.20.552
31199	11/15/2021	NICOR GAS	21506713011 10/4-11/03	45.29	51.20.552
31199	11/15/2021	NICOR GAS	80197020003 10/4-11/3	137.77	51.20.552
31199	11/15/2021	NICOR GAS	58572020004 10/6-11/5	101.74	51.20.552
31199	11/15/2021	NICOR GAS	45717910009	206.48	51.20.552
31199	11/15/2021	NICOR GAS	06044948922 10/4-11/3	43.30	51.20.552
31199	11/15/2021	NICOR GAS	32167449522 10/4-11/3	45.77	51.20.552
			CHECK TOTAL	2,805.56	
31200	11/15/2021	OAKWOOD ENTERPRISES	MOVE EXCAVATOR 10/6/21	195.00	51.50.522
31200	11/15/2021	OAKWOOD ENTERPRISES	MOVE EXCAVATOR 10/21/21	195.00	51.50.522
			CHECK TOTAL	390.00	
31201	11/15/2021	PACE ANALYTICAL SERVICES	SLUDGE TESTS	274.85	51.40.522
31202	11/15/2021	PROTECTION ASSOCIATES	STONE ST/ALRM MONITOR	180.00	51.20.522
31202	11/15/2021	PROTECTION ASSOCIATES	PSB/ SERVICE CALL 10/26	187.50	51.20.577
			CHECK TOTAL	367.50	
31203	11/15/2021	R & R INC	STEEL PLATE DELIVERY	447.50	51.20.577
31204	11/15/2021	RAY HALL	TOOL ALLOWANCE	500.00	51.50.502
31205	11/15/2021	RID-ALL PEST SOLUTIONS	DPW/PEST CONTROL 10/5/21	36.00	51.50.522
31205	11/15/2021	RID-ALL PEST SOLUTIONS	HOBBIE/PEST CNTL 10/22	77.00	51.20.577
			CHECK TOTAL	113.00	
31206	11/15/2021	RIVERSIDE WORKFORCE	NH PHYSICAL/SCREEN 10/7	89.00	51.50.522
31206	11/15/2021	RIVERSIDE WORKFORCE	NH SCREEN 10/8	42.00	51.50.522
31206	11/15/2021	RIVERSIDE WORKFORCE	NH PHYSICAL 10/11	47.00	51.50.522
31206	11/15/2021	RIVERSIDE WORKFORCE	DOT SCREEN 10/18/21	50.00	51.50.522
31206	11/15/2021	RIVERSIDE WORKFORCE	DOT SCREEN 10/18/21	50.00	51.50.522
31206	11/15/2021	RIVERSIDE WORKFORCE	NH PHYSICAL/SCREEN 10/18	89.00	51.50.522
			CHECK TOTAL	367.00	
31207	11/15/2021	RON O'CONNOR	LOADS MOVED 10/18-10/21	1,200.00	51.50.531
31208	11/15/2021	RYAN MCGINNIS	CLOTHING REIMBURSEMENT	248.37	51.20.518
31209	11/15/2021	RYAN NORWELL LAW, LLC	OCTOBER SERVICES	7,500.00	51.10.522
31210	11/15/2021	SAFETY-KLEEN SYSTEMS	WASHER SOLVENT	359.17	51.50.522

31211	11/15/2021	SHARP CUTS LAWN CARE	ADM,PSB,SCH/OCT MOW/MAIN	2,317.50	51.20.577
31211	11/15/2021	SHARP CUTS LAWN CARE	LFT STN MOW-OCTOBER	720.00	51.20.577
			CHECK TOTAL	3,037.50	
31212	11/15/2021	SHERWIN WILLIAMS CO	PAINT	426.80	51.20.577
31213	11/15/2021	SNIDER'S NURSERY	TREES	1,715.00	51.50.502
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	SW3/GLASS DOOR	3,091.48	51.50.572
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	SW1/ CYL AY HYD PART	758.97	51.50.572
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	SW1/GAS SPRING	104.12	51.50.572
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	SWEEPER BROOM	532.03	51.50.572
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	SW3/BELT,SEALMASTER,BEAR	1,937.45	51.50.572
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	SW1/SWIVEL JOINT	544.05	51.50.572
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	SW3/DOOR, BULB SEAL	884.99	51.50.572
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	SW1/PACKING KIT	282.47	51.50.572
31214	11/15/2021	STANDARD EQUIPMENT COMPANY	#19/PRESSURE REPAIR	1,882.71	51.20.572
			CHECK TOTAL	10,018.27	
31215	11/15/2021	STAPLES CREDIT PLAN	TONER,POUCHES,TOWELS	89.95	51.40.502
31215	11/15/2021	STAPLES CREDIT PLAN	PAPER,CALENDARS,TOWELS,	149.48	51.40.502
			CHECK TOTAL	239.43	
31216	11/15/2021	SUBURBAN LABORATORIES	SLUDGE SAMPLES	360.50	51.40.522
31216	11/15/2021	SUBURBAN LABORATORIES	MILLIPORE TESTING	2,850.00	51.40.522
			CHECK TOTAL	3,210.50	
31217	11/15/2021	TAYLOR CHRYSLER JEEP DODGE	KEY MASTER REFUND	125.70CR	51.50.572
31217	11/15/2021	TAYLOR CHRYSLER JEEP DODGE	REPLACE,REPROGRAM KEY	221.85	51.50.572
31217	11/15/2021	TAYLOR CHRYSLER JEEP DODGE	PROGRAM KEY	221.85	51.50.572
			CHECK TOTAL	318.00	
31218	11/15/2021	TESTAMERICA LABORATORIES	ENVIRONMENTAL TESTING	3,282.50	51.40.522
31219	11/15/2021	UNITED PIPE & SUPPLY	PIPE/WATER LINE	157.42	51.20.577
31220	11/15/2021	VERIZON WIRELESS	34231390700001 9/16-10/1	247.35	51.50.522
31221	11/15/2021	VERMEER SALES & SERVICE	PIN-STICK, BOLTS	570.97	51.50.572
31222	11/15/2021	VIERS COFFEE	WATER, COOLER RENTAL	171.30	51.20.577
31223	11/15/2021	WELDSTAR COMPANY	CYLINDER RENTAL	88.80	51.40.503
31224	11/15/2021	WENTWORTH TIRE SERVICE	TIRES AND REPAIR	1,488.47	51.50.572
31224	11/15/2021	WENTWORTH TIRE SERVICE	TIRE REPAIR	475.00	51.50.572
			CHECK TOTAL	1,963.47	
31225	11/15/2021	WESTSIDE TIRE & ALIGNMENT	BRAKES, ALIGNMENT, MOUNT	2,212.28	51.20.572
			TOTAL 11/15/21	**$ 595,467.10**	

FOR ESU COMMITTEE

TOTAL 11/1/21		392,239.52
TOTAL 11/15/21		595,467.10
TOTAL FOR NOVEMBER	$	987,706.62

ESU Street & Alley Report November 15th , 2021

1) Alleys : There is continuous demand for brush pick up . Soon all personnel will be dedicated to leaf pick up. 25 work orders for rubbish addressed.

2) Patching : Patch crew is out daily filling pot holes.

3) Mowing : Has slowed down , we did a late push to mow 95 city owned lots. 75 or so code work orders addressed since last meeting. We will continue to remove brush/debris through the winter to facilitate mowing in the spring.

4) Tree Work : 18 more trees have been planted since last meeting . Crews were out daily doing trims.

5) Sweeping :Sweeper crew out daily . This important to maintain the effectiveness of the storm drainage system ,due to leaves falling.

6) Equipment : Surplus is scheduled for auction on 11/20

7) Misc. Flags have been put up and taken down for holiday. Wreaths have been put up. Assistance with the farmers market take down for season has been completed. Repairs to DPW gas line are completed. We have received the paperwork for our salt contract. Numbers were very close to what we originally expected and we should be within budget.

8) Leaves : Bulk of the leaves remain on the trees at time report , however volume is steadily increasing and we expect to be in the thick of it next week.

ESU TECHNICAL SERVICES REPORT
OCTOBER 2021

Administration

2 Billing Correction
2 Calls to DPW
2 Calls to Republic
4 Services Moving
0 Sewer Claims
Investigated customer4 complaints
Worked with Code Enforcement regarding 1 properties
Assisted Aqua regarding 1 properties
Traffic/ Energy/Historic Light Invoices
Requested Police Reports for Accidents
Dispatch Calls
Assist with Monthly Reports
Monitored Technical Services Budget
Technical Services Lighting Projects -West Court soon to be completed
ESU Minutes and Board Packet
ESU Monthly Board Meeting
ESU Tech Accts Receivable and Prepare Payables
Assist Walk In Customers
Assist ESU Administrative Specialists per Division
City Website New Resident Guide - Resident Resources (Hold)
Met with Sewer and Tech Services Team on move out plans
Monitored Fleet Management Program
Storm Management Program WIP
Revising ESU Processes and Procedures
Packing up Space Center Offices to move to LeBeau Buildings
Met with Interim Superintendent
Prepare Christmas Decorations
Purge Offices at Space Center

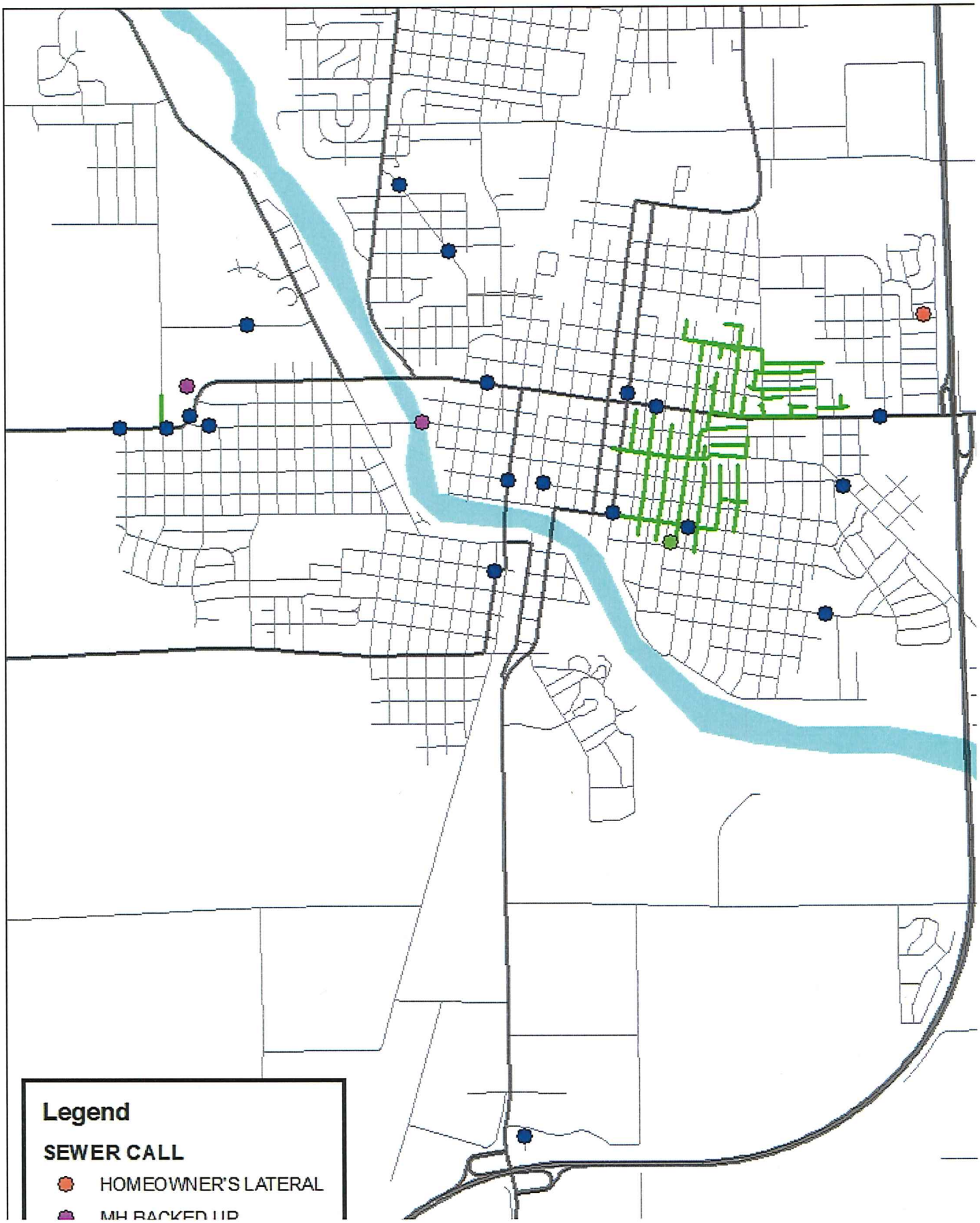
Electricians Field Report

Worked at Labeau's moving and organizing
- Riverside & 113 replaced a green LED and a 400 watt hps lamp.
- River & Washington Bill Tudor brought DPW's bucket truck over so we could replace the 2-400watt hps ballast and 2 lamps.
- River & Washington was in flash due to a short in the controller.

Replaced it with a spare.

- Schuyler & River was in flash due to a bad load switch on phase 3. Found mice in the cabinet, bought traps and poison.
- Riverside and 113 was in flash due to a conflict with phases 1 and 2.
- Tripped breaker in the Rail Road Museum due to a short in a light fixture. We took it down and re-wired the fixture.
- Finished updating level sensor at East Gracefield lift station with a new transducer housing and a new transducer.
- West Gracefield's transducer went out so we updated everything to match East Gracefield.
- Helped out the sewer crew with a locate on Waldron Rd.
- Ran conduit and pulled wire for the heaters and welders at the West Labeuas building.
- Finished setting up the fabrication area at West Labeuas.
- Finished moving all the office furniture and desks at West Labeuas.
- Installed outdoor color changing LED flood lights at the Admin building.
- Checked all the Christmas lights that go on the Depot to make sure they're working.

OCTOBER 2021 SEWER CALLS, AREA CLEANIN
and GREASE TRAP INSPECTIONS



INDUSTRIAL--LAB SERVICES MONTHLY REPORT
OCTOBER 2021

I. Industrial Services – Pretreatment Program

A. Automatic 24-Hour Composite Sampling:
   1. Crown Beverage (Bradley Industry) - 3 days
   2. Sherwin Williams – 3 days
   3. Millipore – 3 days
   4. IKO – 2 days (autosampler removed due to on-site backup)
   5. Del Monte – 3 days

B. Monthly random grab samples due to inconsistent compliance with pretreatment and/or City Ordinance limits at:
   None for October 2021

C. Miscellaneous

   1. Lab management prepared and forwarded the laboratory billing invoice for testing both to KRMA and to the Comptroller's Office.
   2. Lab management performed random industrial spot checks throughout the month.
   3. Lab management forwarded monthly wastewater reporting for Armstrong Cooling Water to the respective Armstrong personnel, Stelle wastewater reporting to the respective community of Stelle personnel, CHS (Central High School) wastewater reporting to the respective CHS operations personnel, Clifton wastewater reporting to the respective Clifton operations personnel, and Van Drunen wastewater reporting to the respective Van Drunen personnel.
   4. Lab management received and reviewed the monthly continued compliance report from Special Waste Disposal for September 2021 (due by end of October). Submission of the monthly report is a permit requirement for SWD (newly permitted and unique centralized waste industrial discharger).
   5. Lab personnel have continued testing on industrial and hauled-in dischargers for total phosphorus through October 2021 (began in October 2020). Per KRMA request, testing will continue and results will be forwarded until further notice.
   6. Laboratory management performed significant non-compliance (SNC) evaluations on the inventory of industrial users during October 2021 and there were none found that had chronic violations.
   7. Lab management has kept in regular contact with CSL Behring as they have developed a compliance plan/schedule for both pH adjustment and ammonia treatment. A physical walk-through was performed at CSL for October 6, 2021, for a first-hand look at their site wastewater treatment system by both KRMA and City personnel. Phase one (permanent pH treatment) commenced on Monday, October 11, 2021.
   8. The "Sanitary Extension" project at Dow Chemical (Rohm Haas) has concluded and since May 12, 2020 (the afternoon of May 11 saw the "switch-over" to the new infrastructure), Laboratory Services have used the new sampling location for wastewater collection. Reimbursement that began with the project's start in November 2019 has been added to Dow's monthly sewer invoicing. As of the end of October 2021, twenty-four reimbursement payments have been issued with Dow's statements. An agreement was reached from meeting with Dow in March

2021 that additional payments will be extended through May 2022 to cover change costs (on Dow's portion) from the project.

9. October 2021 (and since late 2018) has continued to see Kensing sending mostly untreated wastewater to the KRMA plant as a result of their complete shutdown of their activated sludge treatment system. Dosing of an odor control agent with assistance from an environmental contractor has commenced in March 2020 and is ongoing. Lab management continues to forward communication from Operations management on H2S concentrations within the lift station/sewer infrastructure to Kensing as part of their ongoing data collection.
10. The Dow (Rohm Haas) Remediation site (located on the south end of BASF property) continues to be shut down through October 2021 and as such there are no pretreatment requirements. In continuing their rebound study, Dow is pursuing a "No Further Action" (NFA) status with Illinois EPA. As such, no further discharge is planned under this wastewater permit which has not been renewed. Communication has been received by Dow's environmental contractor and NFA has not been granted yet. For this remediation site, Dow is still working through the reporting process and discussion with IL EPA for the NFA.
11. Lab management was contacted by US EPA, Region 5, regarding a formal information request (remote audit) on March 23, 2021. Pretreatment data, including site inspections, permits, and enforcement actions, has been compiled, scanned, and sent electronically to US EPA via mail on an USB flash drive. Due to an inability of US EPA to locate the original package (confirmed delivery on May 7, 2021 with USPS), lab management with assistance from KRMA resubmitted all requested data on June 9, 2021. Confirmation from US EPA was received on June 23, 2021 that the package had made it to the correct official. US EPA responded on September 27, 2021, regarding the information request with a follow up containing five areas of concern involving specific permit language along with enforcement and publication issues with non-compliant industrial users. Partnering with KRMA (provides pretreatment on hauled-in users), lab management responded back with an action plan (permit amendments and explanations) to US EPA on October 25, 2021. For further evidence of a return to compliance, lab/KRMA will also provide documentation by the due date (120 days from original e-mail on January 25, 2022) as a follow up to US EPA's remote audit.
12. Partnering with Operations Management, the Lab Group has successfully begun the process of sampling/testing for the City's MS4 (Municipal Separate Storm Sewer System) NPDES permit. There are eight outfalls within or just outside City borders that will be sampled quarterly for a range of parameters including solids, pH, mercury, and oil/grease (total of 11 different analyses). Further samples were collected during October and will be similarly forwarded to Operations in November 2021.
13. The laboratory has begun testing four sample locations for KRMA (upstream and downstream Kankakee River along with Station Street Bridge and Warner Bridge) for total phosphorus starting August and continuing into October 2021. This testing is being performed to assist KRMA with their current NPDES permit with a special condition for a Nutrient Assessment Reduction Plan (NARP).
14. Lab management has begun performing site inspections (mandated as part of the federal EPA pretreatment program) at all of the permitted industrial dischargers. For the month of October 2021, inspections were performed at Ardex (Bourbonnais), Crown Beverage (Bradley), Greif Bros (Bradley), JR Short,

Plochman (Manteno), Pactiv (Manteno), Ring Container, Rohm Haas/Dow, and Zip Pak (Manteno).

15. The laboratory has successfully placed the vehicle bid order with Court Street Ford for the Ford F-250 Super Duty 4x4. Production time has increased drastically and the Court Street Ford estimated delivery to dealership is 30 plus weeks. Any updates will be provided to this summary report as they are received.
16. Communication and several remote discussions have been initiated with Perkin Elmer (lab equipment manufacturer for the Utility's AA and mercury units) as through our twice-per-year maintenance agreement, the laboratory was informed that our current AA unit (purchased/installed in 2004) has reached the end of its serviceable life (needed repairs done as "best-fit" and obsolete replacement parts). The current atomic absorption unit (Perkin Elmer AA 400) is responsible for analyzing all of the permit limited metals (for KRMA parameters, hauled-in waste, and industrial) including cadmium, copper, lead, molybdenum, nickel, silver, zinc, chromium, and manganese. An average of about 20 to 25 samples are analyzed per week for a total of about 500 to 600 metals analyses per month. Getting preliminary estimates on instruments and prerequisite equipment (chiller, autosampler, line conditioner, etc.), the purchase will need go through the official bidding process as it meets the $20,000 requirement.

II. Industrial Monitoring Program (User Charge)

A. For the month of October 2021, the approximate number of samples collected:

210	Scheduled user-charge grab samples
334	Industrial spot checks
13	Oil & Grease samples
0	Continued pretreatment monitoring – grab samples
557	**Total for the month (21 days)**

B. Wastewater Violation Discharge Notice issued for:

None issued for October 2021

C. User Charge Billing Reports

1. The monthly user charge/pretreatment billing reports were prepared and submitted to the Comptroller's Office for final processing.
2. Flow summaries for the **"Big Two"** Industries for 2021:

2021	Kensing Total Flow MG	CSL Behring Total Flow MG
Month		
Jan-2021	17.0362	31.1457
Feb-2021	16.6608	24.2006
Mar-2021	19.2852	27.7371
Apr-2021	17.3151	25.5195
May-2021	21.9530	24.7703
Jun-2021	18.3336	21.2007
Jul-2021	19.7730	23.9680
Aug-2021	18.1583	28.7472
Sep-2021	12.2733	29.4300
Oct-2021	21.3877	25.4916
Nov-2021		
TOTAL	182.1762	262.2107
Average	18.2176	26.2211

3. Monthly industrial flow/surcharge/pretreatment billing summaries for 2021:

INDUSTRIAL MONTHLY CHARGES 2021	KENSING	CSL/NORTH	ROHM HAAS/DOW
JANUARY			
Flow Charges	$179,500	$328,400	$21,100
Surcharge/Pretreatment	$31,600	$36,400	$32,300
FEBRUARY			
Flow Charges	$175,700	$255,200	$20,000
Surcharge/Pretreatment	$21,600	$36,100	$29,600
MARCH			
Flow Charges	$203,300	$292,500	$20,500
Surcharge/Pretreatment	$18,800	$42,200	$21,800
APRIL			
Flow Charges	$182,600	$269,100	$28,100
Surcharge/Pretreatment	$14,200	$33,000	$30,400
MAY			
Flow Charges	$245,200	$276,700	$25,200
Surcharge/Pretreatment	$18,700	$12,650	$36,200
JUNE			
Flow Charges	$204,800	$236,800	$25,900
Surcharge/Pretreatment	$11,700	$20,800	$47,800
JULY			
Flow Charges	$220,900	$267,800	$24,900
Surcharge/Pretreatment	$18,800	$3,500	$35,400
AUGUST			
Flow Charges	$202,800	$321,200	$27,000
Surcharge/Pretreatment	$15,000	$48,900	$33,600
SEPTEMBER			
Flow Charges	$137,100	$328,800	$24,300
Surcharge/Pretreatment	$12,300	$47,600	$26,000
OCTOBER			
Flow Charges	$238,900	$284,800	$24,000
Surcharge/Pretreatment	$11,200	$37,100	$28,300

III. Analytical Services

A. PDC testing – Monthly QC Round Robin was performed.
B. Lab is running normally.

AA Section samples from October 1, 2021 to October 29, 2021.
Cyanide samples – 0
Industrial samples – 0 samples / 0 metals
Hauler samples – 0 samples / 0 metals
In-plant samples – 0
Mercury samples – 0
Hydrocarbon oil/grease – 0

Due to an analyst shortage, there are limited samples that the lab is testing in-house (AA section—for this month no analyses were performed in the AA). The remainder of cyanide, metals, mercury, and hydrocarbon oil/grease samples are being picked up by courier to Eurofins/Test America in University Park.

IV. Administrative Services – Administrative Specialist

A. Covid 19 Precautions
   - Daily cleaning and disinfecting of office equipment, office area, and lab area
   - Per KRMA guidelines, no visitors are allowed in the building
B. Continued to archive 2020 - 2021 industrial files – updated files for new fiscal year
C. Prepared monthly report for Utility packet
D. Met with Industrial Services Coordinator to go over daily agenda
E. Weekly scanning and entering Laboratory Accounts Payables and forwarded to Comptroller's Office
F. Liaison between Industrial Services Coordinator, industries, and KRMA Assistant Superintendent
G. Continuation of updating the Industrial Compliance Letters with edits regarding personnel and address change
H. Provide customer service to phone customers – no walk-ins allowed at this time
I. Records daily and tallies monthly laboratory user charge data for each industrial user
J. Administers the UPS shipping process; labeling, documentation for the KESU Lab Department and Technical Services Department.
K. Prepares the monthly UPS bill for submittal to Industrial Services Coordinator and Comptroller's Office
L. Entered monthly analytical metal results for hauled-in and industries into HACH program
M. With assistance of Industrial Coordinator, continuation of archiving, organizing, and maintaining industrial pretreatment files

Submitted by:
Alan J. Toronjo, Lab Operations Manager, Kankakee Environmental Services

KANKAKEE ENVIRONMENTAL SERVICES UTILITY
EXPENDITURE AND REVENUE REPORT
October 31, 2021

At 6 months 50%

EXPENDITURE REPORT

		BUDGET 21/22	EXPENSES/ REVENUES	YEAR-TO-DATE	YEAR-TO-DATE %
51	KESU - SEWER FUND EXPENDITURES				
10	SEWER FD - ADMINISTRATION				
401	SUPERVISORY SALARIES	332,356	10,429	160,458	48.3%
405	UTILITY BOARD	5,600	400	2,400	42.9%
451	FICA/MEDICARE	297,416	19,878	131,234	44.1%
452	IMRF EMPLOYER	437,279	30,406	174,986	40.0%
453	STATE UNEMPLOYMENT	18,000	80	1,326	7.4%
454	WORKERS COMP INSURANCE	325,000	23,500	141,000	43.4%
456	HEALTH INSURANCE	941,270	59,017	341,717	36.3%
502	SUPPLIES	2,000	0	50	2.5%
521	AUDIT SERVICES	40,000	0	0	0.0%
522	CONTRACTUAL SERVICES	400,000	14,704	69,507	17.4%
524	COLLECTION EXPENSE	615,000	65,578	385,737	62.7%
536	LIABILITY INSURANCE	100,000	7,141	36,826	36.8%
546	PUBLICATIONS/MATERIALS	6,000	0	0	0.0%
547	DUES/MEMBERSHIPS	2,000	0	0	0.0%
548	CONFERENCES/SEMINARS	4,500	0	0	0.0%
549	TRAVEL EXPENSES	1,000	0	40	4.0%
556	POSTAGE	250	0	0	0.0%
561	SPACE CENTER LEASE	120,000	5,430	39,416	32.8%
566	SAFETY PROGRAM	10,000		2,329	23.3%
	LEGAL EXPENSE	0	0	0	0.0%
601	CAPITAL REPAIR/REPLACEMENT	850,000	0	0	0.0%
	TOTAL SEWER FD - ADMINISTRATION	4,507,671	236,563	1,487,026	33.0%
20	SEWER SERVICES GROUP				
401	SUPERVISORY SALARIES	82,988	6,384	38,272	46.1%
402	CLERICAL SALARIES	0	0	0	0.0%
404	LABOR	545,240	42,612	255,156	46.8%
410	OVERTIME	20,910	623	7,940	38.0%
415	ON-CALL PAY	20,000	0	0	0.0%
420	CERTIFICATION/LONGEVITY	15,300	0	0	0.0%
501	OFFICE SUPPLIES	1,000	16	241	24.1%
502	MATERIALS & SUPPLIES	50,000	1,200	20,316	40.6%
503	REPLACEMENT PARTS	5,000	825	1,736	40.5%
504	CHEMICALS	15,000	0	0	0.0%
512	FUEL	25,000	2,328	12,945	51.8%
514	LUBRICANTS	12,000		2,721	22.7%
518	UNIFORM\RUG SERVICE	6,000	534	1,614	26.9%
522	CONTRACTUAL INSPECTION	10,000	1,297	6,837	68.4%
527	CUSTODIAL SERVICES	100,000	1,686	31,105	31.1%
551	ELECTRICITY	85,000	5,848	32,630	38.4%
552	NATURAL GAS	24,000	2,118	7,523	31.3%
554	TELEPHONE	16,000	0	8,394	52.5%
555	WATER	30,000	0	9,944	33.1%
572	VEHICLE MAINTENANCE & REPAIR	45,000	3,673	18,879	42.0%
577	BUILDINGS & GROUNDS MAINT & REP	200,000	30,227	102,593	51.3%
	TOTAL SEWER SERVICES GROUP	1,308,438	99,371	558,845	42.7%
30	WASTEWATER TREATMENT				
553	WASTEWATER TREATMENT	5,913,765	484,100	2,904,600	49.1%

KANKAKEE ENVIRONMENTAL SERVICES UTILITY
EXPENDITURE AND REVENUE REPORT
October 31, 2021

At 6 months 50%

EXPENDITURE REPORT

		BUDGET 21/22	EXPENSES/ REVENUES	YEAR-TO-DATE	YEAR-TO-DATE %
33	TECHNICAL SERVICES GROUP				
401	SUPERVISORY SALARIES	73,000	5,345	32,042	43.9%
402	CLERICAL SALARIES	0	0		0.0%
403	TECHNICAL SALARIES	215,926	14,324	88,682	41.1%
404	LABOR	156,754	12,942	77,755	49.6%
410	OVERTIME	4,000	12	1,956	48.9%
415	ON-CALL PAY	10,200	0	0	0.0%
420	CERTIFICATION/LONGEVITY	2,000	0	0.00	0.0%
502	SUPPLIES	90,250	4,419	31,505	34.9%
503	REPLACEMENT PARTS	36,400	0	18,786	51.6%
512	FUEL	2,000	186	1,036	51.8%
526	TECHNICAL SUPPORT	40,000	0	37,131	92.8%
554	TELEPHONE	2,000	0	0	0.0%
571	TECHNICAL MAINTENANCE	4,000	0	1,377	34.4%
572	VEHICLE MAINTENANCE & REPAIR	4,000	0	1,880	47.0%
581	TECHNICAL REPAIR	25,000	0	1,222	4.9%
	TOTAL TECHNICAL SERVICES GROUP	665,530	37,228	293,372	44.1%
40	LABORATORY SERVICES GROUP				
401	SUPERVISORY SALARIES	94,172	7,244	43,428	46.1%
402	CLERICAL SALARIES	59,909	4,608	30,786	51.4%
403	TECHNICAL SALARIES	269,980	15,581	131,730	48.8%
410	OVERTIME	200	0	0	0.0%
420	CERTIFICATION/LONGEVITY	4,100	0	933	22.8%
502	LAB SUPPLY	72,000	1,862	16,836	23.4%
503	AA SUPPLY	25,000	116	2,791	11.2%
506	CLEANING/COMMODITIES	800	39	191	23.9%
512	FUEL	3,000	267	1,485	49.5%
517	SAFETY SUPPLY	800	0	0	0.0%
522	LABORATORY/CONTRACTUAL SVCS	160,000	7,742	35,932	22.5%
526	COMPUTER SUPPORT	1,800		96	5.3%
529	QC/QA STANDARDS	10,000	126	1,783	17.8%
530	CHEMICAL WASTE DISPOSAL	2,000	0	0	0.0%
546	REFERENCE MATL/HANDBOOKS	800	0	0	0.0%
548	CONFERENCE/SEMINARS	0	0	0	0.0%
553	WATER	3,000	510	1,389	46.3%
554	TELEPHONE	0	0	0	0.0%
556	POSTAGE	1,800	497	1,456	80.9%
558	COPYING/PRINTING	1,000	0	0	0.0%
571	EQUIPMENT SERVICE	36,000	0	26,923	74.8%
572	VEHICLE MAINTENANCE & REPAIR	1,600	0	1,081	67.5%
581	EQUIPMENT REPAIR	3,400	0	0	0.0%
	TOTAL LABORATORY SERVICES GROUP	751,361	38,593	296,842	39.5%
44	SEWER FD - DEBT SERVICE				
691	BOND ISSUE COSTS	-	500	500	0.0%
691	BOND PRIN/INTR/FEES	2,250,000	187,500	1,125,000	50.0%
	TOTAL SEWER FD - DEBT SERVICE	2,250,000	188,000	1,125,500	50.0%

KANKAKEE ENVIRONMENTAL SERVICES UTILITY
EXPENDITURE AND REVENUE REPORT
October 31, 2021

At 6 months 50%

EXPENDITURE REPORT

		BUDGET 21/22	EXPENSES/ REVENUES	YEAR-TO-DATE	YEAR-TO-DATE %
50	PUBLIC WORKS GROUP				
401	SUPERVISORY SALARIES	203,669	8,744	57,541	28.3%
402	CLERICAL SALARIES	42,175	2,924	21,047	49.9%
404	LABOR	2,205,741	132,929	867,954	39.3%
410	OVERTIME	90,000	1,344	12,648	14.1%
420	LONGEVITY	37,378	0	0	0.0%
502	MATERIALS & SUPPLIES	295,000	2,598	33,864	11.5%
512	FUEL	145,000	9,355	57,716	39.8%
522	COMTRACTUAL SERVICES	95,000	2,108	18,896	19.9%
530	WASTE HAULER	1,824,723	150,065	900,390	49.3%
531	ESU COLLECTION & DISPOSAL	100,000	10,848	27,715	27.7%
548	CONFERENCES/SEMINARS	5,000	205	325	6.5%
572	VEHICLE MAINTENANCE & REPAIR	262,500	9,963	114,136	43.5%
588	STREET & ALLEY REPAIR	75,000	1,517	12,622	16.8%
	TOTAL PUBLIC WORKS GROUP	5,381,186	332,599	2,124,855	39.5%
	TOTAL UTILITY EXPENSE	20,777,951	1,415,954.81	8,790,540	42.3%

REVENUE REPORT

361	RESIDENTIAL/COMMERCIAL SEWER	6,130,385	572,064	3,170,466	51.7%
363	INDUSTRIAL SEWER	9,900,000	897,970	4,114,448	41.6%
364	SOLID WASTE FEES	3,160,407	228,081	1,612,244	51.0%
366	MANTENO CONTRACT REC'D FEB 25,2021	150,000	0	150,000	100.0%
367	CHEBANSE CONTRACT	170,000	15,571	79,920	47.0%
369	KRMA CONTRACT	400,000	34,448	233,175	58.3%
373	HYDRO	55,000	536	56,610	102.9%
375	IDOT	70,000	0	15,121	21.6%
397	FEDERAL BOND INT	72,688	0	0	0.0%
398	APEA REVENUE UTILITY SEWER	650,000			0.0%
399	MISC REVENUE	40,000	2,436	41,662	104.2%
	TOTAL REVENUE	20,798,480	1,751,104	9,473,646	45.5%

as of 10/31/2021

CAPITAL ACCOUNT	*$*	*N/A*	BOND & INTEREST	$1,628,536
GENERAL ACCOUNT	*$*	*965,976*	RESERVE & REPLACEMENT	$554,460
			SURPLUS	$50,000
			BOND RESERVE	$1,900,000