

December 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7 8:00 am-Records Commission 7:00 pm – CITY COUNCIL	8 5:00 pm – Planning Commission	9	10	11	12
13	14 6:00 pm – Water/Sewer Committee 6:00 pm - BOPA	15	16	17	18	19
20	21 6:00 pm – Park & Rec Comm 7:00 pm – CITY COUNCIL	22 4:30 pm Civil Service	23	24 Offices Closed - <i>Floating Holiday</i>	25 Offices Closed CHRISTMAS Day	26
27	28 6:30 pm – Finance & Budget Committee 7:30 pm - Safety and Human Resources Comm	29	30 6:30 pm - Parks & Rec Board	31	January 1, 2021 NEW YEAR'S DAY Offices Closed	



City of Napoleon, Ohio

P.O. Box 151 ~ 255 West Riverview Avenue
Napoleon, OH 43545
Telephone: (419) 592-4010 Fax: (419) 599-8393

Memorandum

To: Mayor and Members of City Council
From: Roxanne Dietrich-Clerk of Council
cc: Joel L. Mazur-City Manager,
Billy D. Harmon-City Law Director,
Kelly O'Boyle-Finance Director
Date: December 11, 2020
Subject: General Information

CALENDAR

MONDAY, DECEMBER 14, 2020 AT 6:00 PM

Agenda – Water and Sewer Committee & Board of Public Affairs

- Approval of Minutes
- Review of December 2020 PSCAF (*BOPA only*)
- Water and Sewer Rate Review/Presentation (by John Courtney & Associates)
- Update on Wastewater Treatment Plant Rehabilitation Project
 - o Enclosed is a Memorandum from Chad and Project Cost Analysis
- Refuse and Recycling Containers (*Water/Sewer Committee only*)

Canceled – Electric Committee

Canceled – Municipal Properties, Building, Land Use and ED Committee

City of Napoleon, Ohio

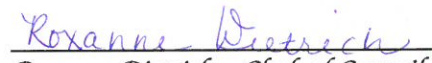
WATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE

SPECIAL MEETING AGENDA

Monday, December 14, 2020 at 6:00 pm

Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio
The WebEx link will be posted on the City's website at www.napoleonohio.com

- 1) **Approval of Minutes: November 9, 2020** (In the absence of any objections or corrections, the Minutes shall stand approved).
- 2) **Water and Sewer Rate Review/Presentation**
- 3) **Update on Wastewater Treatment Plant Rehabilitation Project**
- 4) **Refuse and Recycling Containers**
- 5) **Any other matters to come before the Committee**
- 6) **Adjournment**



Roxanne Dietrich ~ Clerk of Council

City of Napoleon, Ohio
WATER, SEWER, REFUSE, RECYCLING AND LITTER COMMITTEE
MEETING MINUTES

Monday, November 9, 2020 at 7:00 pm

PRESENT

Committee Members	Jeff Comadoll-Chair, Lori Sicclair, Ross Durham
BOPA Members	Mike DeWit-Chair, Dr. David Cordes, Rory Prigge
City Manager	Joel L. Mazur
City Staff	Dave Pike, WWTP Superintendent
Clerk of Council	Roxanne Dietrich
Others	News Media

ABSENT

CALL TO ORDER

Chairman Comadoll called the Water, Sewer, Refuse, Recycling and Litter Committee meeting to order at 7:00 pm.

APPROVAL OF MINUTES

Hearing no objections or corrections, the minutes from July 13, 2020 Water, Sewer, Refuse, Recycling and Litter Committee meeting were approved as presented.

WATER RATE REVIEW

Mazur presented draft numbers on the rates stating there will be some movement on the numbers. Some will be in the positive direction and others will be in the negative direction. We are going to make sure that the numbers are as accurate as we can get them to our best estimation. This is the format that we are using for the rate review. The top section projects what we have for growth. I just noticed we are not showing growth for commercial and industrial. We will have to factor that in. You can see the escalating rates for personnel, health insurance, materials and supplies and other items that were factored in roughly at 3%. For personnel we put in 2.25% to go with what the union contracts call for. Health insurance was 3.5% that is the plug number we used for this year, and then 3% for the rest of the years' materials and supplies, utility costs, contractual services and any other operating expenses that we have. The CPI index has water and sewer and the last time I checked it around three years ago it was at about 2% escalation rates. That is the generalized glaze of what water and sewer rate expenses are looking at for the different classes of users and what usage numbers there are and averaging the revenues per type of class. Next is our billing statistics, the numbers from the previous four years, the current year and the next four years projecting out and being conservative. We don't want to undershoot because as the rate consultant, they don't want to recommend not enough because if you don't do enough, then you are not meeting what the recommendation is, so they are conservative. The pages showing the expenses, revenues, debt service and operating expenses are the pages that have a lot of meaning. The operating expenses are in our budgets for utility usage so, electric usage at the Water Plant and materials and supplies, chemicals and your contractual services. It used to be that we had a high number for lagoon cleaning. On the utility side, we have had a big increase in electrical usage because of the membranes. The Water Plant did not have a sewer bill for the longest time and we are slowly phasing the sewer expenses in. Then you get into the service and you will see, and this is where we have to make some corrections, we have debt service expenses that are not accurate, we are waiting for the refined version of this, we have a little bit more homework to do on our end too. Looking at the

capital side line 27, what we are projecting for now is \$440,000 that number will change with what we plan on putting in for capital going forward. Where that number is now, I think it is high. We have made a lot of improvements to the water system and our line replacements. At the Water Treatment Plant, it has been very capital intensive over the past few years especially with the Water Plant rehab. We really want that to drop down and not be so capital intensive anymore. That will drive down the need for any additional rates too. You can see the direction the fund balance is heading with this current structure in place, with the escalators in place and all the different drivers for debt service and everything else, where we would wind up if we don't make any adjustments. Next shows the short shortfalls or overages we should expect to see based on our expenses versus revenues based on the projections on the water side. For the water side, to my surprise, there is a little bit more of a need for a rate adjustment than I had expected. Some of the reason for this is overall there is less usage. There is less usage from the contract customers and from the industrial users. Even though we have a lot of growth right now, I think industries and this is true everywhere, industries are looking at ways to save money on utility costs. Everyone saw that Tenneco made some major improvements to their plant when they did some upgrades using the Efficiency Smart Program and drastically reduced their electric usage. Overall, industry that has a lot of intense use for water usage are trying to limit and cut costs where they can. There is the increased cost of running a water utility. Not only do you have just the normal inflationary costs but, the EPA testing requirements are increasing and they keep adding more tests and more frequency of testing too. There is the bond issuance for the stranded costs for the UV project and the water plant study. We have that on the books now, we are going to be taking that to bond in February, 2021 hopefully. Once that is done, then we will have the added debt service for that. I will tell you that the biggest impact by far is the loss of wholesale customers. We did factor in that we are anticipating losing Liberty Center and part of the Malinta contract. That will have a significant impact on our water rates. We are fortunate the EPA provides such good rates. We had 0% interest for 30 years for the water plant with some principal forgiveness that worked out really well for us. This is a big deal, we kind of saw it coming when Liberty Center did not sign a new contract and the Northwestern Water and Sewer District took over the Henry County Water and Sewer District and decided they wanted to go in a different direction. That is the biggest impact. All the others are more like normal day-to-day business expenses that you keep up with but, making up for that loss in the long run has a bigger impact. Mazur asked O'Boyle, by volume Liberty Center accounts for roughly ten to eleven percent of usage? O'Boyle said correct. Mazur continued the McClure side of it would probably be another three to five percent is a ballpark figure. That loss of volume we have to account for but that will also translate to less material expenses too. We are trying to factor in what material costs could potentially go down with a loss of volume and we will not have as many chemicals if you're not making as much water. It's a matter of what it will look like. We were planning to do this sooner but, I did not think it was responsible to move forward with the rate study during COVID because we did not know what our impact was going to be during the year. Our water usage citywide actually went up, in some months about 8%, that was when the weather was really hot. A lot is weather impacted and I think people are staying home and working from home and using their own facilities. That was a good sign and hopefully that trend continues and we are able to capture more revenue from users. At the end of the day, there are other factors that weigh into this that are pretty significant. One way or another we are going to have to figure out how to account for it. We are anticipating in this model that Liberty Center will be out by sometime maybe in 2023. We don't know yet, there is engineering and easement acquisitions and then the actual bidding and construction that they will have to go through to run that line. I think they will have to run a waterline underneath the river too, if I'm not mistaken. Durham asked Mazur you said 11% of the total production is what they would consume? Mazur-yes. John Courtney will be at the next meeting to do a formal presentation and give his viewpoint on what's going on based on the numbers that we are providing and putting into the model. Durham asked when was the last time our rates were adjusted?

Mazur replied 2019. In 2017, Council passed a three-year rate adjustment. It was 10%, 10% and 10% to accommodate for the Water Treatment Plant Project. We did a rate review in 2018. We were hoping that at some point we could bring it back down but in terms of keeping up with operating costs, it was recommended to keep that last rate adjustment at 10%. The 10%, 10% and 10% was supposed to cover just the debt. You still have your inflationary type costs that get rolled in. DeWit said there's not much we are going to do anymore. We have some odds and ends with litigation and things like that but I don't know if you are going to pursue that or not. Mazur-I think that ship's sailed. DeWit said we have \$50,000 worth of ground you have to decide what to do with. We are still eating all of the capital costs or all of the stranded costs. Again, you have \$50,000 worth of costs stranded where you were going to put the plant. We have to eventually do something with that and try to get rid of it. Mazur said we will, we will figure something out. In the grand scheme of things, we do have positive growth in the city. DeWit commented we are going to grow a long time for as much as you lost on sales and you have a plant now that still produces two-thirds more gallons than you can use. The plant was sized to bring the locals around and they walked away. Dr. Cordes-the size was already determined because we rehabbed the plant. It's the same size as it was before. Mazur said 4.5 million gallons is what it stayed at capacity. DeWit said we have a heck of a lot of water that we cannot sell. Mazur said we are not making as much and we won't be making as much if everything comes to fruition. DeWit said the biggest money is the 30 million dollars we spent on building the plant. Prigge added you have to be optimistic too. You don't know what tomorrow holds. Loves could start having tank washes and using a lot of water. Mazur noted if you look at your water bill and factor in how much you spend per month on just the water part of it, our bills have garbage, water, sewer, storm water and electric charges everything is rolled into one. That is where it looks so alarming. Part of the message is the water portion of the bill is going to be a recommended rate increase. Next month we will have something a little more accurate on paper for everybody. The rate increase would be implemented in the March timeframe.

SEWER RATES

We have good news and because of the loss of customers, a little bit of bad news with water and back to what I think is a little bit of good news on the sewer side. Again, we have some adjustments here too. What I will say about the sewer side, since we did renegotiate the Long-Term Control Plan, that really benefited us. We rolled a lot of those projects, the Williams Pump Station, projects that were really needed that were falling apart big ticket items like the VanHyning Pump Station and the Wastewater Treatment Plant. There is no getting around having to do those, we had to do them anyways. All the other Long-Term Control Plan projects were for I&I reduction and we found another way to mitigate the SSOs from dumping. Renegotiating the LTCP helped us out, not only was it less in dollar value, but also the amount of projects that were scheduled. Remember, we were going to be replacing all the sewers in Clairmont, Kenilworth, and all the other neighborhoods. That was the next phase, every single one was getting replaced and that was just the tip of the iceberg. Then we had Third Street and Meekison and all the other streets that were out there. Don't get me wrong, the sewers could use some attention but, total rip out and replace type projects are very costly. That is why the sewer rates are always higher than the water rates, the sewer projects have bigger pipes and the sewers run deeper. You have contractual services, personnel and your operating expenses are still there. Line 25 on page five is what we are calculating for the debt service. There is one payment in 2023 for \$372,000 and two payments in 2024 totaling about \$744,000. That is a 20-year debt at about one percent for the total project cost. Hopefully we can get different or more favorable terms. We are not really sure how that is going to look in the long run but, that is where we are at now and that's why those payments are where they are. At first we were modeling it after the Water Treatment Plant but those were 0% for 30 years. We have a couple of things we have to sort out with the project and make some adjustments. In 2020 it shows a positive percentage which is really a negative that's the percentage of shortfall that we would show

based on this model. If you look at 2021, 2022 and 2023, we are actually showing a gain from that. We will make the adjustments where we think we need to for this but overall, the sewer side is looking a lot more positive than the water side. Even with the projects surprisingly enough. Now in the end when that debt service kicks in, you see how much it jumps. It's a swing in the other direction. What I will recommend here is a maybe a five-year modest rate increase just to keep up with expenses and in anticipation of the debt service coming on from the wastewater treatment plant project. Overall, whenever you talk about rate increases it is always a difficult conversation. In the water and sewer rate world, it is a fact of life. You have to keep up with the expense side and hopefully the capital side too so you can maintain a good system and keep providing reliable water and sewer services so that you don't fall behind. On the sewer side, we have had a rate increase one time since I have been here. The rate increase was five percent and I think it was the Mayor's idea in anticipation of this big project coming out. If you have a big debt service it's easier to phase in the increase than to do the 10%-10%-10% like the water plant. That is a big shock. When you increase the rates over a longer period of time you can kind of absorb that shock a little better. That was a really good recommendation in terms of prudence with managing a utility. A lot of communities just automatically bake in rate increases and it's usually around two to three percent unless they do a cost of service study. I have seen where some communities bake in five percent a year to make sure that the increase is in there to cover their costs and expenses so they can keep providing all the services. I still think it's good practice to not do that automatically but to look at the rates. That is what I have for the sewer side. Prigge commented that's a good idea. One village I worked for had their ordinance at three percent a year raised for sewer. That way it never comes up to Council, it never comes out to the public and people don't see a little increase it works out well. Mazur said when you do three percent that is so marginal and such a small part of the overall bill too. Your average homeowner's bill on the sewer side is more than the water side. I think the rate for sewer usage is actually lower. The average homeowner pays a little bit less for water than we do for sewer but the rate itself is a little bit lower and you're talking increments here. Durham asked you said twenty years? Mazur-yes. Durham-on the sewer packet, the reference key below says 30 years. Mazur replied the Water Plant was thirty years. The number I gave him is based on twenty years, that is a typo. Comadoll asked how much work does the south side need for sewers? Mazur replied I think Meekison and Third Street need work. Other than that, I think Appian was taken care of. Comadoll said I thought we originally started on the south side back in the 80's. Prigge asked you mean the sanitary sewers? Comadoll replied I thought everything was done. Mazur said Meekison and Third Street could use some attention sometime down the road. Prigge added the streets especially. Mazur said do you have to replace sewers? No but, a lot of times the roads that need replaced leak and allow water to infiltrate in and that water ends up getting into the sewer creating some hydraulic pressure on them and that's where you get a little more wear and tear on your sewers. A new road will act as a barrier to shed the water off and won't leak into the joints on the side of the road or anywhere else. Pike said the I&I Study that Stantec did in 2015 or 2016 that ionized study did show that Meekison and Third was quite inundated with I&I. That is where a lot of flow into the Palmer Ditch Lift Station comes from when we get a lot of heavy rain. Mazur said those are the two that are really identifiable. Pike said I think the rest of them would probably be as needed. Prigge said those could probably be realigned, right? Pike noted part of it was realigning in the I&I recommendations. Mazur said we will be entering into a new contract for year seven of the sewer cleaning. Part of our Long-Term Control Plan is continuous sewer cleaning which is great because the sewer cleaning is definitely affecting the wastewater treatment plant. They are getting a lot more water faster every time it rains or when people are using more water at peak times. Pike noted it definitely gets to the plant a lot faster than it used to. There definitely is a positive for the sewer cleaning project. Mazur added those screw pumps are working a lot more. Pike said all three of them are running together now that's how fast it shows up. Prigge asked if there is any consideration for a septage dump? I received three more calls in the last

month and a half, one was from the Health Department. Can the county help in any way since the Health Department is part of the county to get something in place? Everybody is complaining about going to Defiance, Bowling Green and Ottawa. Mazur said in order to accommodate the volumes that were actually brought to us, would mean a significant additional expense for us to be able to handle that volume of solids from septic systems. Prigge said it is a necessary evil down the future. There has to be some way to make money on this. Pike said the county needs to actually get involved and come up with some kind of a regional plan. Mazur said could we design it in? Yes we could. It is an expense and it is not an expense that the Napoleon sewer users have to bear and should not bear. Prigge said there is a need there and if there's an opportunity to maybe make a buck or two. Mazur asked Pike, I have not had any communication from anybody, have you? Pike replied nobody talked to me. There was an email chain from Nick Rettig about putting in a holding tank in Richfield Township. That is the only thing I have ever heard or seen from the county. I have been considering raising our rates because Napoleon has become a very popular place for dumping. Mazur added due to the expense for us to treat it because of the size of the plant right now with all the solids that we are getting. Maybe with the new screw presses it will be a lot easier to manage all that waste and all those solids. At the end of the day if we looked at it and penciled it out hard enough we would barely be covering our costs with the rates the way they are now. It is not getting cheaper to treat wastewater. It starts with communication. Whoever it is, if it's a regional thing or if it is a regional water and sewer district issue. We are open to having a conversation about it and what the need is. Prigge said I told the one commissioner, cough up some money and anything is possible. It's a convenience for the county and the right thing to do is to bring it here to the center of the county. Mazur added operationally the hours of dumping is going to be an impact. Pike commented I feel the commissioners need to start the conversation with the city. Mazur said if the wastewater plant project is even the solution. I didn't even realize that that conversation was going on. Prigge said that's what I was telling them, you have to cough up some money and talk to the city. Now is the time to do it when they are in the design stage. You got to look out for the city and you have to look out for your citizens. Mazur said and the ship is sailing. Having a bulk unloading station or accommodating large number of dumps for septic hauling does not benefit the wastewater plant project. We took a brief look at this and said wow this is a lot. We will never recover from the rates the cost for that. It just won't happen. It did not make sense when we penciled the balance. Mazur noted next month John Courtney will be here to answer any questions. Any rate adjustment recommendations we would be looking to apply sometime in the March timeframe.

ADJOURNMENT

Motion: Siclair Second: Durham
to adjourn the Water, Sewer, Refuse, Recycling and Litter Committee at 7:45 pm.

Roll call vote on the above motion:

Yea-Durham, Comadoll, Siclair

Nay

Yea-3, Nay-0. Motion Passed.

Approved

December 14, 2020

Jeff Comadoll - Chairman



City of Napoleon, Ohio

Department of Public Works

255 West Riverview Avenue, P.O. Box 151

Napoleon, OH 43545

Chad E. Lulfs, P.E., P.S., Director of Public Works

Telephone: (419) 592-4010 Fax: (419) 599-8393

www.napoleonohio.com

Memorandum

To: Joel L. Mazur, City Manager
From: Chad E. Lulfs, P.E., P.S., Director of Public Works
cc: Dave Pike, WWTP Superintendent
Date: December 10, 2020
Subject: 2021 WWTP Improvements ~ Project Budget & Schedule Update

Below is an outline of the project schedule moving forward:

January 15, 2021 – Project Design Complete
January 28, 2021 – Advertise Project for Bids
March 3, 2021 – Open Bids
March 11, 2021 – Submit Bids to DEFA for Approval
March 25, 2021 – City Signs Loan Agreement Submitted to DEFA
April 1, 2021 – DEFA Request Construction Loan
April 29, 2021 – Loan Award
May 3, 2021 – City of Napoleon Awards Contract

Attached is an outline of estimated project costs, including design, construction, pre-purchases, and other miscellaneous items that will be included in the proposed funding.

CEL

2021 WWTP Improvements
Project Cost Analysis

Design Costs

Original Contract Price	\$469,100.00	
Contract Change Order	\$670,983.00	
Proposed Change Order	\$82,000.00	
		\$1,222,083.00

Pre-Construction Costs

Digester Cleaning (Paid)	\$793,091.10	
Volute Press Purchase	\$563,000.00	
		\$1,356,091.10

Construction Estimated Costs

Project Estimate	\$11,423,025.00	
Construction Contingency	\$1,142,302.50	
		\$12,565,327.50
Alternate - UV Building Improvements	\$55,475.00	
Alternate - Screw Pump Painting	\$55,800.00	
Alternate - Screw Pump Canopy	\$55,300.00	
Alternate - Underground Storage Tank Removals	\$115,400.00	
Alternate - Tower Stair Painting	\$33,000.00	
		\$314,975.00

\$15,458,476.60

Incidental Items

Field Inspection Billed Time	\$100,000.00
O.E.P.A. P.T.I. Submittal (Paid)	\$15,100.00
Wood County Plan Review	\$7,500.00
Press Rental*	\$114,000.00

\$236,600.00

*Press Rental not included in total; offset by normal operating costs.

925.08 PLACEMENT OF CONTAINERS.

Bags, tagged bags or containers holding bags or tagged bags shall be placed at the curb located in front of a customer's residence for residential establishments, and along the alley located off the customer's premises or other specified location for commercial establishments utilizing residential service who desire to be on the City's bag refuse service. Sanitation department personnel cannot enter residential or other buildings for the purpose of refuse pickup. Containers if used as bag holders will be returned to the place of pickup, with lids replaced. In the event of a situation not covered by the above, placement of containers may be determined by mutual agreement of the Operations Superintendent and the resident, subject to the approval of the City Manager. (Ord. 92-00. Passed 8-21-00.)

from the City of Wauseon, Ohio

953.03 RECEPTACLES.

Each and every owner, tenant, housekeeper or other person or persons, occupying any dwelling house or apartment house and other buildings or a portion thereof, in the City, and producing garbage, rubbish and refuse for collection shall provide, and renew when necessary, a sufficient number of watertight cans with covers and strong handles or comparable watertight plastic bags, securely tied at the top. Each can or bag shall have a capacity of not less than ten gallons nor more than twenty gallons and shall not exceed seventy-five pounds in weight. No cans or bags shall be placed on the curb or place of pick up more than twenty-four hours prior to the scheduled pick up by the hauler. All garbage cans and bags shall be maintained by the user in good and sanitary condition, shall be delivered to the curb of the street or other authorized place of collection for pick up, and shall be removed therefrom within twenty-four hours after pick up. (Ord. 1995-10. Passed 5-1-95.)

from Westerville, Ohio

Containers can be placed at the curb no earlier than 6:00 p.m. the day before scheduled pick up, but no later the 7:00 a.m. on the day of pick up. Containers must be taken away from the curb and placed back to the home by the morning following pick up day.

Archbold Village Residents Solid Waste Program Details

- **REFUSE PICKUP:**

Refuse and garbage pickup is provided for all Village residents (excluding commercial and industrial) for a \$11.25 monthly fee included on your water and sewage billing. Up to four containers will be picked up each week for this fee. The garbage and refuse must be brought to the street or ally in plastic or metal containers that do not have a volume in excess of 20 gallons or 40 pounds in weight. The pickup schedule is as follows:

THURSDAY – South side of Norfolk Southern tracks

FRIDAY – North side of Norfolk Southern tracks

Ashes, building materials, appliances containing freon gas, car parts and yard waste **will not** be picked up. Holiday pickup schedules will be published in the Archbold Buckeye.

- **RECYCLE PICKUP:**

Recycle is provided every other week. Materials can be unsorted but must be clean and dry to be acceptable. A list of acceptable items is included on the ARS Recycle Brochure.

- **BULK ITEM PICKUP:**

Bulk item pickup of household items is provided for residential customers. This service is for HOUSEHOLD ITEMS only. These items must be placed at the curb in front of your house, the same area that you place your normal refuse items. When disposing of carpet, it must be cut into strips not to exceed 6 feet and has to be rolled and tied. Pickup days are as follows:

Second Thursday of month – South side of Norfolk Southern tracks

Third Friday of month – North side of Norfolk Southern tracks

- **REFUSE RESTRICTIONS:**

No person shall dump or place refuse on the property of another. No person shall allow a nonresident to place refuse on their property for the purpose of refuse pickup.

No person shall place or allow to be placed at the curbside refuse for more than 36 hours prior to pick up.

- **DUMPSITE – 519 SHORT-BUEHRER RD**

Grass clippings, leaves and garden waste can be disposed of at this address. Remove clippings from bags or containers. Brush chipping will be done every other week, using the same schedule as curbside recycling. Village employees will start in the north section of town and work their way south. Stack the brush with the butt end toward the curb. The brush should be cut into lengths no longer than six feet in length.

- **SCHEDULES:**

All schedules for refuse, recycle and brush pickup are available at www.archbold.com or www.arsrefuse.com

City of Napoleon, Ohio

BOARD OF PUBLIC AFFAIRS

Special Meeting Agenda

Monday, December 14, 2020 at 6:00 pm

Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio
The WebEx link will be posted on the City's website at www.napoleonohio.com

1. Approval of Minutes: November 9, 2020 (In the absence of any objections or corrections, the Minutes shall stand approved)
2. Review/Approval of the Power Supply Cost Adjustment Factor for December 2020 as PSCA three-month averaged factor \$0.02012 and JV2 \$0.031163

JOINT MEETING WITH WATER/SEWER COMMITTEE

3. Water and Sewer Rate Review/Presentation
4. Update on Wastewater Treatment Plant Rehabilitation Project
5. Adjournment

Roxanne Dietrich

Roxanne Dietrich - Clerk of Council

City of Napoleon, Ohio
BOARD OF PUBLIC AFFAIRS MEETING MINUTES
Monday, November 9, 2020 at 6:15 pm

PRESENT

BOPA Members	Mike DeWit-Chair, Dr. David Cordes, Rory Prigge
Electric Comm Members	Lori Siclair-Chair, Ross Durham, Joe Bialorucki-via WebEx
Water/Sewer Comm:	Jeff Comadoll-Chair, Lori Siclair, Ross Durham
City Manager	Joel L. Mazur
City Staff	Dave Pike, WWTP Superintendent
Clerk of Council	Roxanne Dietrich

ABSENT

CALL TO ORDER

Chairman DeWit called the Board of Public Affairs meeting to order at 6:15 pm.

APPROVAL OF MINUTES

The minutes from the October 12, 2020 BOPA meeting were approved as presented.

POWER SUPPLY COST ADJUSTMENT FACTOR FOR NOVEMBER 2020: PSCA 3-MONTH AVERAGED FACTOR \$0.01266 AND JV2 \$0.020715

Mazur reported we are getting close to end of the Morgan Stanley contract expiring. Last month we were at .1135/kW. The rates will go up close to 12 cent range per kW. We are relatively back to normal. You will see in a lot of the budgets that when the Morgan Stanley contract comes off, the electric cost will be cut down to about 8%. That is the estimate, the power rates forecast for 2021. This year, the power rates were at 87.00/MWh. The projection for 2021 is the power rates will be at approximately \$80.00/MWh. We will still have some increases in the transmission fees. Dr. Cordes asked where is the distribution portion at? Mazur replied they do not have that on here because that is our cost, that is our budget. This is just for our AMP billing purpose. We are at the 8% or more and will have a drop in the rates. That is the one everyone wants to know, what is my cost? We looked at the month-by-month forecast details when we did the rate stabilizing. Today's power supply cost adjustment factor is based on September's bill. The month of September was forecasted we would be at \$994,000. In 2015 we entered into a five-year contract to purchase power off the market and this is our remaining requirements. It is still a good practice to enter into power purchase contracts but, the further you go out, the more you will pay as there is more risk for the supplier and they will factor in a risk cost. With a one-year year contract, you can usually get a cheaper energy price off the market if you buy it wholesale. What they did back then was they tried to lock-in rates for five years as all they saw at AMP were energy costs climbing and wanted to lock the costs in at the current rate. DeWit commented there is virtually no way to get this right all the time. Mazur said you usually get a better price with short contract terms. Right now, I think AMP will recommend to stay the course, to buy your remaining requirements a day ahead because the price is so low. Dr. Cordes said at that time, we were worried about energy prices going through the roof. Now there is a glut of energy. DeWit noted basically because of COVID and we are still not out of COVID as far as the impact on power. Dr. Cordes asked what happened with revoking the legislation that supported the power plants? Mazur said you mean HB6, it is still in discussion. Representative Hoops is the chair of HB6 review. I think they want to do a repeal and replace. Dr. Cordes asked will we get our green energy credits back? Mazur replied that is on the table. I still think there is a market for RECS. It has been coming up in the last couple of years, there is a demand and people want it. DeWit noted there is a good chance green energy will sell in the future. It seems like that is the way the political winds are going to go. Mazur said you are looking at \$4.00 to \$5.00/MWh for RECs (Renewable Energy Credit). Five years ago we were still projecting 3% load growth per year. Our load was reduced

when B&B Molded Plastics left in 2016, they were a big user. We are climbing back. The water plant is using more. We have a lot of industry and houses. One thing we have learned with COVID, residential does not have as big of an impact as industry. On the other hand, residential has a bigger impact on water and sewer. We have had some growth in commercial and industrial and are still growing. As you look at the different months, we will still have our ups and downs, there just will not be the wild swings. April will be our highest month as that will be the lowest amount of usage. April is usually a pretty mild month, heaters are not running as much and the AC is not running yet. Now that we have the debt paid off for the solar project, we are showing a credit there. Our rate for 2021 should be \$80.18/MWh. We have more control over our rates on the electric side than we do on the water and sewer rates.

Motion: Prigge Second: Dr. Cordes
to approve the November 2020 Power Supply Cost Adjustment Factor as PSCA three-month averaged factor \$0.01266 and JV2 \$0.020715

Roll call vote on the above motion:
Yea-Dr. Cordes, Prigge, DeWit
Nay-
Yea-3, Nay-0. Motion Passed.

UPDATE ON SUBSTATIONS

Mazur reported Ryan Dohlman has been our key person at AMP working in the transmission section. He has been reviewing a lot of the supplemental projects that the IOUs have been putting in. Dohlman disputed and had a couple of projects overturned because they were building bigger things than they should be. He has had a key role in planning for a lot of these projects and has taken another job somewhere else. We have our net book value, internally we are good with the netbook value. We wanted to wait until after budget to dive into the behind the meter piece. All the documents are drafted, we just need to make sure we can get that engineering piece to make sure that our generating meters remain behind the meter on paper. There may be some engineering work that needs to be done. We will meet with the generation group section to make sure we can get this straightened out.

ELECTRIC DEPARTMENT REPORTS

The October 2020 Electric Department Report was in your packet.

OTHER MATTERS

Mazur talked about the Capacity Plan. The AMP Hydro-Meldahl Greenup project is on the capacity plan. The effective rates are pretty high. Prigge commented that may change if Biden does away with fracking. Mazur said if that does happen, that will look better and be better for our portfolio. Prairie State will be severely affected. We have our eye on it, we don't expect pressure on coal to back off. If anything, it will ramp up. Coal is phasing out as natural gas takes its place. Fracking will have an effect on natural gas prices too. First Energy sent out press release they have carbon neutral goals set in place to meet zero emissions by 2050.

WATER RATE REVIEW

Mazur presented draft numbers on the rates stating there will be some movement on the numbers. Some will be in the positive direction and others will be in the negative direction. We are going to make sure that the numbers are as accurate as we can get them to our best estimation. This is the format that we are using for the rate review. The top section projects what we have for growth. I just noticed we are not showing growth for commercial and industrial. We will have to factor that in. You can see the escalating rates for personnel, health insurance, materials and supplies and other items that were factored in roughly at 3%. For personnel we put in 2.25% to go with what the union contracts call for.

Health insurance was 3.5% that is the plug number we used for this year, and then 3% for the rest of the years' materials and supplies, utility costs, contractual services and any other operating expenses that we have. The CPI index has water and sewer and the last time I checked it around three years ago it was at about 2% escalation rates. That is the generalized glaze of what water and sewer rate expenses are looking at for the different classes of users and what usage numbers there are and averaging the revenues per type of class. Next is our billing statistics, the numbers from the previous four years, the current year and the next four years projecting out and being conservative. We don't want to undershoot because as the rate consultant, they don't want to recommend not enough because if you don't do enough, then you are not meeting what the recommendation is, so they are conservative. The pages showing the expenses, revenues, debt service and operating expenses are the pages that have a lot of meaning. The operating expenses are in our budgets for utility usage so, electric usage at the Water Plant and materials and supplies, chemicals and your contractual services. It used to be that we had a high number for lagoon cleaning. On the utility side, we have had a big increase in electrical usage because of the membranes. The Water Plant did not have a sewer bill for the longest time and we are slowly phasing the sewer expenses in. Then you get into the service and you will see, and this is where we have to make some corrections, we have debt service expenses that are not accurate, we are waiting for the refined version of this, we have a little bit more homework to do on our end too. Looking at the capital side line 27, what we are projecting for now is \$440,000 that number will change with what we plan on putting in for capital going forward. Where that number is now, I think it is high. We have made a lot of improvements to the water system and our line replacements. At the Water Treatment Plant, it has been very capital intensive over the past few years especially with the Water Plant rehab. We really want that to drop down and not be so capital intensive anymore. That will drive down the need for any additional rates too. You can see the direction the fund balance is heading with this current structure in place, with the escalators in place and all the different drivers for debt service and everything else, where we would wind up if we don't make any adjustments. Next shows the short shortfalls or overages we should expect to see based on our expenses versus revenues based on the projections on the water side. For the water side, to my surprise, there is a little bit more of a need for a rate adjustment than I had expected. Some of the reason for this is overall there is less usage. There is less usage from the contract customers and from the industrial users. Even though we have a lot of growth right now, I think industries and this is true everywhere, industries are looking at ways to save money on utility costs. Everyone saw that Tenneco made some major improvements to their plant when they did some upgrades using the Efficiency Smart Program and drastically reduced their electric usage. Overall, industry that has a lot of intense use for water usage are trying to limit and cut costs where they can. There is the increased cost of running a water utility. Not only do you have just the normal inflationary costs but, the EPA testing requirements are increasing and they keep adding more tests and more frequency of testing too. There is the bond issuance for the stranded costs for the UV project and the water plant study. We have that on the books now, we are going to be taking that to bond in February, 2021 hopefully. Once that is done, then we will have the added debt service for that. I will tell you that the biggest impact by far is the loss of wholesale customers. We did factor in that we are anticipating losing Liberty Center and part of the Malinta contract. That will have a significant impact on our water rates. We are fortunate the EPA provides such good rates. We had 0% interest for 30 years for the water plant with some principal forgiveness that worked out really well for us. This is a big deal, we kind of saw it coming when Liberty Center did not sign a new contract and the Northwestern Water and Sewer District took over the Henry County Water and Sewer District and decided they wanted to go in a different direction. That is the biggest impact. All the others are more like normal day-to-day business expenses that you keep up with but, making up for that loss in the long run has a bigger impact. Mazur asked O'Boyle, by volume Liberty Center accounts for roughly ten to eleven percent of usage? O'Boyle said correct. Mazur continued the McClure side of it would probably be another three to five percent is a ballpark figure. That loss of

volume we have to account for but that will also translate to less material expenses too. We are trying to factor in what material costs could potentially go down with a loss of volume and we will not have as many chemicals if you're not making as much water. It's a matter of what it will look like. We were planning to do this sooner but, I did not think it was responsible to move forward with the rate study during COVID because we did not know what our impact was going to be during the year. Our water usage citywide actually went up, in some months about 8%, that was when the weather was really hot. A lot is weather impacted and I think people are staying home and working from home and using their own facilities. That was a good sign and hopefully that trend continues and we are able to capture more revenue from users. At the end of the day, there are other factors that weigh into this that are pretty significant. One way or another we are going to have to figure out how to account for it. We are anticipating in this model that Liberty Center will be out by sometime maybe in 2023. We don't know yet, there is engineering and easement acquisitions and then the actual bidding and construction that they will have to go through to run that line. I think they will have to run a waterline underneath the river too, if I'm not mistaken. Durham asked Mazur you said 11% of the total production is what they would consume? Mazur-yes. John Courtney will be at the next meeting to do a formal presentation and give his viewpoint on what's going on based on the numbers that we are providing and putting into the model. Durham asked when was the last time our rates were adjusted? Mazur replied 2019. In 2017, Council passed a three-year rate adjustment. It was 10%, 10% and 10% to accommodate for the Water Treatment Plant Project. We did a rate review in 2018. We were hoping that at some point we could bring it back down but in terms of keeping up with operating costs, it was recommended to keep that last rate adjustment at 10%. The 10%, 10% and 10% was supposed to cover just the debt. You still have your inflationary type costs that get rolled in. DeWit said there's not much we are going to do anymore. We have some odds and ends with litigation and things like that but I don't know if you are going to pursue that or not. Mazur-I think that ship's sailed. DeWit said we have \$50,000 worth of ground you have to decide what to do with. We are still eating all of the capital costs or all of the stranded costs. Again, you have \$50,000 worth of costs stranded where you were going to put the plant. We have to eventually do something with that and try to get rid of it. Mazur said we will, we will figure something out. In the grand scheme of things, we do have positive growth in the city. DeWit commented we are going to grow a long time for as much as you lost on sales and you have a plant now that still produces two-thirds more gallons than you can use. The plant was sized to bring the locals around and they walked away. Dr. Cordes-the size was already determined because we rehabbed the plant. It's the same size as it was before. Mazur said 4.5 million gallons is what it stayed at capacity. DeWit said we have a heck of a lot of water that we cannot sell. Mazur said we are not making as much and we won't be making as much if everything comes to fruition. DeWit said the biggest money is the 30 million dollars we spent on building the plant. Prigge added you have to be optimistic too. You don't know what tomorrow holds. Loves could start having tank washes and using a lot of water. Mazur noted if you look at your water bill and factor in how much you spend per month on just the water part of it, our bills have garbage, water, sewer, storm water and electric charges everything is rolled into one. That is where it looks so alarming. Part of the message is the water portion of the bill is going to be a recommended rate increase. Next month we will have something a little more accurate on paper for everybody. The rate increase would be implemented in the March timeframe.

SEWER RATES

We have good news and because of the loss of customers, a little bit of bad news with water and back to what I think is a little bit of good news on the sewer side. Again, we have some adjustments here too. What I will say about the sewer side, since we did renegotiate the Long-Term Control Plan, that really benefited us. We rolled a lot of those projects, the Williams Pump Station, projects that were really needed that were falling apart big ticket items like the VanHying Pump Station and the Wastewater Treatment Plant. There is no getting around having to do those, we had to do them anyways. All the

other Long-Term Control Plan projects were for I&I reduction and we found another way to mitigate the SSOs from dumping. Renegotiating the LTCP helped us out, not only was it less in dollar value, but also the amount of projects that were scheduled. Remember, we were going to be replacing all the sewers in Clairmont, Kenilworth, and all the other neighborhoods. That was the next phase, every single one was getting replaced and that was just the tip of the iceberg. Then we had Third Street and Meekison and all the other streets that were out there. Don't get me wrong, the sewers could use some attention but, total rip out and replace type projects are very costly. That is why the sewer rates are always higher than the water rates, the sewer projects have bigger pipes and the sewers run deeper. You have contractual services, personnel and your operating expenses are still there. Line 25 on page five is what we are calculating for the debt service. There is one payment in 2023 for \$372,000 and two payments in 2024 totaling about \$744,000. That is a 20-year debt at about one percent for the total project cost. Hopefully we can get different or more favorable terms. We are not really sure how that is going to look in the long run but, that is where we are at now and that's why those payments are where they are. At first we were modeling it after the Water Treatment Plant but those were 0% for 30 years. We have a couple of things we have to sort out with the project and make some adjustments. In 2020 it shows a positive percentage which is really a negative that's the percentage of shortfall that we would show based on this model. If you look at 2021, 2022 and 2023, we are actually showing a gain from that. We will make the adjustments where we think we need to for this but overall, the sewer side is looking a lot more positive than the water side. Even with the projects surprisingly enough. Now in the end when that debt service kicks in, you see how much it jumps. It's a swing in the other direction. What I will recommend here is a maybe a five-year modest rate increase just to keep up with expenses and in anticipation of the debt service coming on from the wastewater treatment plant project. Overall, whenever you talk about rate increases it is always a difficult conversation. In the water and sewer rate world, it is a fact of life. You have to keep up with the expense side and hopefully the capital side too so you can maintain a good system and keep providing reliable water and sewer services so that you don't fall behind. On the sewer side, we have had a rate increase one time since I have been here. The rate increase was five percent and I think it was the Mayor's idea in anticipation of this big project coming out. If you have a big debt service it's easier to phase in the increase than to do the 10%-10%-10% like the water plant. That is a big shock. When you increase the rates over a longer period of time you can kind of absorb that shock a little better. That was a really good recommendation in terms of prudence with managing a utility. A lot of communities just automatically bake in rate increases and it's usually around two to three percent unless they do a cost of service study. I have seen where some communities bake in five percent a year to make sure that the increase is in there to cover their costs and expenses so they can keep providing all the services. I still think it's good practice to not do that automatically but to look at the rates. That is what I have for the sewer side. Prigge commented that's a good idea. One village I worked for had their ordinance at three percent a year raised for sewer. That way it never comes up to Council, it never comes out to the public and people don't see a little increase it works out well. Mazur said when you do three percent that is so marginal and such a small part of the overall bill too. Your average homeowner's bill on the sewer side is more than the water side. I think the rate for sewer usage is actually lower. The average homeowner pays a little bit less for water than we do for sewer but the rate itself is a little bit lower and you're talking increments here. Durham asked you said twenty years? Mazur-yes. Durham-on the sewer packet, the reference key below says 30 years. Mazur replied the Water Plant was thirty years. The number I gave him is based on twenty years, that is a typo. Comadoll asked how much work does the south side need for sewers? Mazur replied I think Meekison and Third Street need work. Other than that, I think Appian was taken care of. Comadoll said I thought we originally started on the south side back in the 80's. Prigge asked you mean the sanitary sewers? Comadoll replied I thought everything was done. Mazur said Meekison and Third Street could use some attention sometime down the road. Prigge added the streets especially. Mazur said do you have to replace sewers? No but, a lot of times the roads

that need replaced leak and allow water to infiltrate in and that water ends up getting into the sewer creating some hydraulic pressure on them and that's where you get a little more wear and tear on your sewers. A new road will act as a barrier to shed the water off and won't leak into the joints on the side of the road or anywhere else. Pike said the I&I Study that Stantec did in 2015 or 2016 that ionized study did show that Meekison and Third was quite inundated with I&I. That is where a lot of flow into the Palmer Ditch Lift Station comes from when we get a lot of heavy rain. Mazur said those are the two that are really identifiable. Pike said I think the rest of them would probably be as needed. Prigge said those could probably be realigned, right? Pike noted part of it was realigning in the I&I recommendations. Mazur said we will be entering into a new contract for year seven of the sewer cleaning. Part of our Long-Term Control Plan is continuous sewer cleaning which is great because the sewer cleaning is definitely affecting the wastewater treatment plant. They are getting a lot more water faster every time it rains or when people are using more water at peak times. Pike noted it definitely gets to the plant a lot faster than it used to. There definitely is a positive for the sewer cleaning project. Mazur added those screw pumps are working a lot more. Pike said all three of them are running together now that's how fast it shows up. Prigge asked if there is any consideration for a septage dump? I received three more calls in the last month and a half, one was from the Health Department. Can the county help in any way since the Health Department is part of the county to get something in place? Everybody is complaining about going to Defiance, Bowling Green and Ottawa. Mazur said in order to accommodate the volumes that were actually brought to us, would mean a significant additional expense for us to be able to handle that volume of solids from septic systems. Prigge said it is a necessary evil down the future. There has to be some way to make money on this. Pike said the county needs to actually get involved and come up with some kind of a regional plan. Mazur said could we design it in? Yes we could. It is an expense and it is not an expense that the Napoleon sewer users have to bear and should not bear. Prigge said there is a need there and if there's an opportunity to maybe make a buck or two. Mazur asked Pike, I have not had any communication from anybody, have you? Pike replied nobody talked to me. There was an email chain from Nick Rettig about putting in a holding tank in Richfield Township. That is the only thing I have ever heard or seen from the county. I have been considering raising our rates because Napoleon has become a very popular place for dumping. Mazur added due to the expense for us to treat it because of the size of the plant right now with all the solids that we are getting. Maybe with the new screw presses it will be a lot easier to manage all that waste and all those solids. At the end of the day if we looked at it and penciled it out hard enough we would barely be covering our costs with the rates the way they are now. It is not getting cheaper to treat wastewater. It starts with communication. Whoever it is, if it's a regional thing or if it is a regional water and sewer district issue. We are open to having a conversation about it and what the need is. Prigge said I told the one commissioner, cough up some money and anything is possible. It's a convenience for the county and the right thing to do is to bring it here to the center of the county. Mazur added operationally the hours of dumping is going to be an impact. Pike commented I feel the commissioners need to start the conversation with the city. Mazur said if the wastewater plant project is even the solution. I didn't even realize that that conversation was going on. Prigge said that's what I was telling them, you have to cough up some money and talk to the city. Now is the time to do it when they are in the design stage. You got to look out for the city and you have to look out for your citizens. Mazur said and the ship is sailing. Having a bulk unloading station or accommodating large number of dumps for septic hauling does not benefit the wastewater plant project. We took a brief look at this and said wow this is a lot. We will never recover from the rates the cost for that. It just won't happen. It did not make sense when we penciled the balance. Mazur noted next month John Courtney will be here to answer any questions. Any rate adjustment recommendations we would be looking to apply sometime in the March timeframe.

ADJOURNMENT

Motion: Prigge Second: DeWit
to adjourn the Board of Public Affairs meeting at 7:46 pm.

Roll call vote on the above motion:

Yea-Dr. Cordes, Prigge, DeWit

Nay

Yea-3, Nay-0. Motion Passed.

Approved

December 14, 2020

Michael J. DeWit-Chairman

DRAFT

CITY OF NAPOLEON, OHIO - PSCAF
POWER SUPPLY COST ADJUSTMENT FACTOR (PSCAF) - COMPUTATION OF MONTHLY PSCAF
 COMPUTATIONS WITH CORRECTED DATA FROM JULY, 2015, THROUGH MARCH, 2017

AMP Billed Usage Month	PSCAF City Billing Month	AMP - kWh Delivered As Listed on AMP Invoices	Purchased Power Supply Costs (=Net of Known) (+ OR - Other Cr's)	Rolling 3-Month Totals		Rolling 3 Month Average Cost	Less: Fixed Base Power Supply Cost	PSCA Dollar Difference + or (-)	PSCA-Corrtd. 3 MONTH AVG. FACTOR + Line Loss	Total Residential Cost / kWh For Month
				Current + Prior 2 Months						
				kWh	Cost					
				(e)	(f)					
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
		Actual Billed	Actual Billed w/Cr's	c + prior 2 Mo	d + prior 2 Mo	f / e	\$0.07194 Fixed	g + h	l X 1.075	
Oct'18	Dec'18	12,827,093	\$ 1,201,860.98	41,657,105	\$ 3,674,200.88	\$ 0.08820	\$ (0.07194)	\$ 0.01626	\$ 0.01748	
Nov'18	Jan'19	12,694,035	\$ 1,177,330.24	38,716,898	\$ 3,576,507.93	\$ 0.09238	\$ (0.07194)	\$ 0.02044	\$ 0.02197	
Dec'18	Feb'19	12,936,598	\$ 1,175,315.11	38,457,726	\$ 3,554,506.33	\$ 0.09243	\$ (0.07194)	\$ 0.02049	\$ 0.02203	
Jan'19	Mar'19	13,516,644	\$ 1,157,412.90	39,147,277	\$ 3,510,058.25	\$ 0.08966	\$ (0.07194)	\$ 0.01772	\$ 0.01905	
Feb'19	Apr'19	12,112,198	\$ 1,076,627.71	38,565,440	\$ 3,409,355.72	\$ 0.08840	\$ (0.07194)	\$ 0.01646	\$ 0.01769	
Mar'19	May'19	12,476,648	\$ 1,111,471.41	38,105,490	\$ 3,345,512.02	\$ 0.08780	\$ (0.07194)	\$ 0.01586	\$ 0.01705	
Apr'19	June'19	10,913,916	\$ 1,043,515.66	35,502,762	\$ 3,231,614.78	\$ 0.09102	\$ (0.07194)	\$ 0.01908	\$ 0.02051	
May'19	July'19	11,554,553	\$ 1,074,988.04	34,945,117	\$ 3,229,975.11	\$ 0.09243	\$ (0.07194)	\$ 0.02049	\$ 0.02203	
June'19	Aug'19	12,448,976	\$ 1,059,406.09	34,917,445	\$ 3,177,909.79	\$ 0.09101	\$ (0.07194)	\$ 0.01907	\$ 0.02050	
July'19	Sep'19	15,467,755	\$ 1,165,669.13	39,471,284	\$ 3,300,063.26	\$ 0.08361	\$ (0.07194)	\$ 0.01167	\$ 0.01255	
Aug'19	Oct'19	14,297,705	\$ 1,123,690.94	42,214,436	\$ 3,348,766.16	\$ 0.07933	\$ (0.07194)	\$ 0.00739	\$ 0.00794	
Sep'19	Nov'19	12,810,364	\$ 1,102,711.16	42,575,824	\$ 3,392,071.23	\$ 0.07967	\$ (0.07194)	\$ 0.00773	\$ 0.00831	
Oct'19	Dec'19	12,026,480	\$ 1,080,410.22	39,134,549	\$ 3,306,812.32	\$ 0.08450	\$ (0.07194)	\$ 0.01256	\$ 0.01350	0.1230
Nov'19	Jan'20	12,466,183	\$ 1,088,822.82	37,303,027	\$ 3,271,944.20	\$ 0.08771	\$ (0.07194)	\$ 0.01577	\$ 0.01695	0.1245
Dec'19	Feb'20	12,809,184	\$ 1,098,513.89	37,301,847	\$ 3,267,746.93	\$ 0.08760	\$ (0.07194)	\$ 0.01566	\$ 0.01683	0.1239
Jan' 20	Mar' 20	12,907,445	\$ 1,152,024.27	38,182,812	\$ 3,339,360.98	\$ 0.08746	\$ (0.07194)	\$ 0.01552	\$ 0.01668	0.1238
Feb' 20	Apr' 20	12,179,274	\$ 1,114,393.10	37,895,903	\$ 3,364,931.26	\$ 0.08879	\$ (0.07194)	\$ 0.01685	\$ 0.01811	0.1262
Mar 20	May 20	11,565,546	\$ 1,098,886.88	36,652,265	\$ 3,365,304.25	\$ 0.09182	\$ (0.07194)	\$ 0.01988	\$ 0.02137	0.1299
Apr 20	June 20	9,957,773	\$ 1,056,718.07	33,702,593	\$ 3,269,998.05	\$ 0.09703	\$ (0.07194)	\$ 0.02509	\$ 0.02697	0.1371
May 20**	July 20	10,376,392	\$ 982,279.17	31,899,711	\$ 3,137,884.12	\$ 0.09837	\$ (0.07194)	\$ 0.02643	\$ 0.02841	0.1365
Jun 20	Aug 20	13,172,159	\$ 1,136,941.54	33,506,324	\$ 3,175,938.78	\$ 0.09479	\$ (0.07194)	\$ 0.02285	\$ 0.02456	0.1330
Jul 20***	Sept 20	15,755,589	\$ 1,211,781.98	39,304,140	\$ 3,331,002.69	\$ 0.08475	\$ (0.07194)	\$ 0.01281	\$ 0.01056	0.1154
Aug 20	Oct 20	14,271,168	\$ 1,182,034.49	43,198,916	\$ 3,530,758.01	\$ 0.08173	\$ (0.07194)	\$ 0.00979	\$ 0.00731	0.1135
Sept 20†	Nov 20	11,744,934	\$ 1,103,481.59	41,771,691	\$ 3,497,298.06	\$ 0.08372	\$ (0.07194)	\$ 0.01178	\$ 0.01266	0.1229
Oct 20	Dec 20	11,645,057	\$ 1,128,722.92	37,661,159	\$ 3,414,239.00	\$ 0.09066	\$ (0.07194)	\$ 0.01872	\$ 0.02012	

Reduction of \$100,000 from actual received from AMP to be taken from reserve as approved by Council to lower PSCA for month due to COVID-19 Pandemic.

*** reduced PSCAF for Sept 20 from \$.01377 to \$.01056 to reflect corrected PSCAF with adjustment for Aug 20 by -.003210 to incorporate the \$100,000 with the three month rolling average

†November 2020 PSCAF is up because the approved credits/adjustments are now off of the three month rolling average

PSCAF - Preparer's Signature:

Name - Lori A. Rausch, Utility Billing Administrator



11/17/2020

Signature

Date

PSCAF - Reviewers Signature:

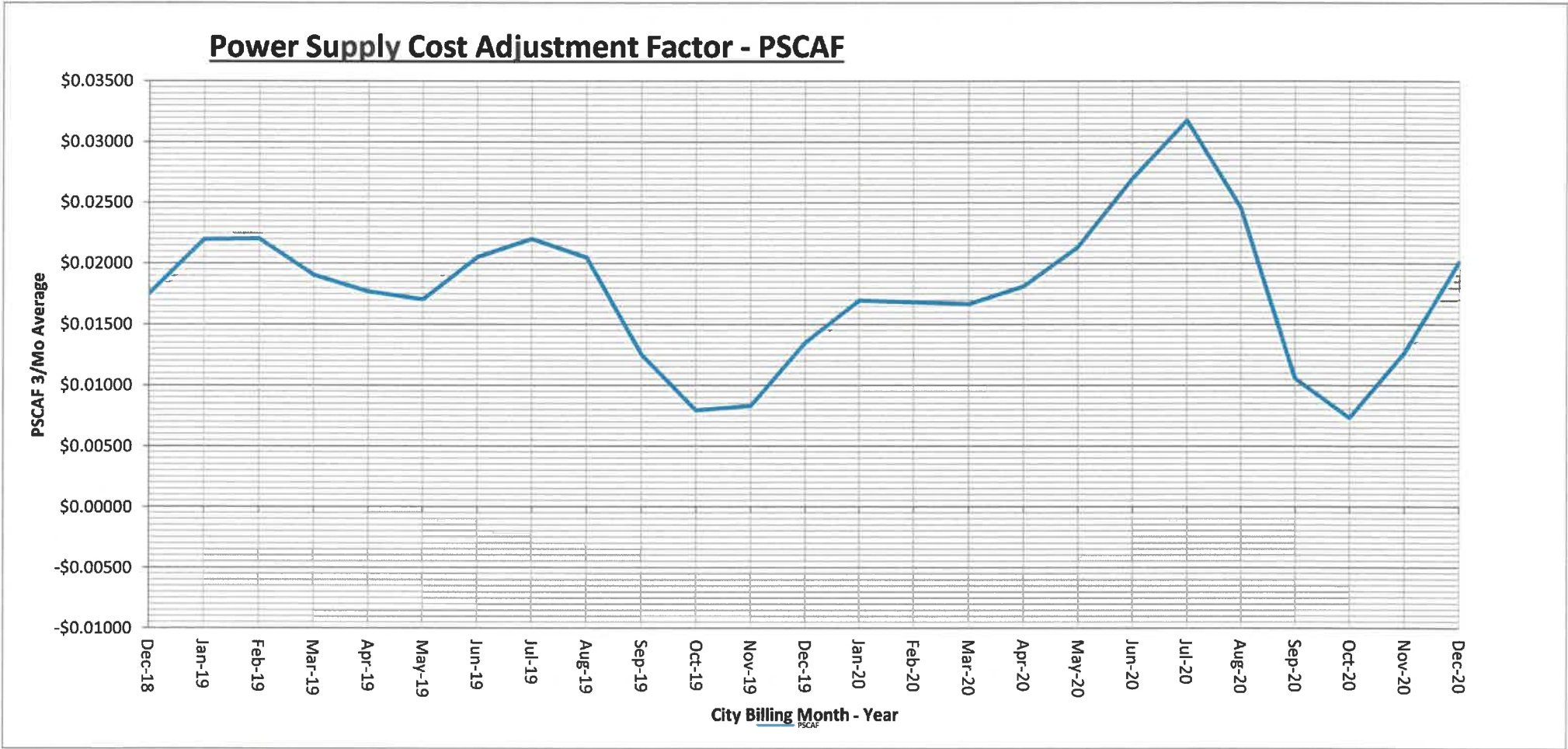
Name - Kelly O'Boyle, Finance Director



11/17/2020

Signature

Date



BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - December, 2020

2020 - DECEMBER BILLING WITH OCTOBER 2020 AMP BILLING PERIOD AND NOVEMBER 2020 CITY CONSUMPTION AND BILLING DATA

PREVIOUS MONTH'S POWER BILLS - PURCHASED POWER KWH AND COST ALLOCATIONS BY DEMAND & ENERGY:

DATA PERIOD	MONTH / YR	DAYS IN MONTH	MUNICIPAL PEAK						
AMP-Ohio Bill Month	OCTOBER, 2020	31	20.138						
City-System Data Month	NOVEMBER, 2020	30							
City-Monthly Billing Cycle	DECEMBER, 2020	31							
=====<u>CONTRACTED AND OPEN MARKET POWER</u>=====									
						==PEAKING==			=====HYDRO POWER=====
(PURCHASED POWER-RESOURCES ->	AMP CT	FREEMONT ENERGY	PRAIRIE STATE SCHED. @ PJMC	MORGAN STNLY. REPLMNT.2015-20	NORTHERN POWER	JV-2 PEAKING	AMP-HYDRO CSW	MELDAHL-HYDRG SCHED. @	GREENUP HYDRG SCHED. @
	SCHED. @ ATSI	SCHEDULED	REPLMT@ PJMC	7x24 @ AD	POOL	SCHED. @ ATSI	SCHED. @ PJMC	MELDAHL BUS	GREENUP BUS
Delivered kWh (On Peak) ->	0	1,164,218	1,969,569	2,827,200	768,387	18	1,417,460	167,671	135,373
Delivered kWh (Off Peak) ->					469,185				
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-380,825				
Net Total Delivered kWh as Billed ->	0	1,164,218	1,969,569	2,827,200	856,747	18	1,417,460	167,671	135,373
<i>Percent % of Total Power Purchased-></i>	<i>0.0000%</i>	<i>9.9977%</i>	<i>16.9133%</i>	<i>24.2781%</i>	<i>7.3572%</i>	<i>0.0002%</i>	<i>12.1722%</i>	<i>1.4398%</i>	<i>1.1625%</i>
<u>COST OF PURCHASED POWER:</u>									
<u>DEMAND CHARGES (+Debits)</u>									
Demand Charges	\$32,983.53	\$41,115.56	\$64,140.68			\$691.68	\$174,116.47	\$13,422.51	\$8,639.40
Debt Services (Principal & Interest)		\$43,487.87	\$114,388.92						
<u>DEMAND CHARGES (-Credits)</u>									
Transmission Charges (Demand-Credits)	-\$49,280.84					-\$623.72			
Capacity Credit	-\$26,750.58	-\$19,882.88	-\$10,660.35			-\$628.02	-\$2,819.68	-\$1,969.07	-\$498.39
Sub-Total Demand Charges	-\$43,047.89	\$64,720.55	\$167,869.25	\$0.00	\$0.00	-\$560.06	\$171,296.79	\$11,453.44	\$8,141.01
<u>ENERGY CHARGES (+Debits):</u>									
Energy Charges - (On Peak)		\$51,667.42	\$11,163.16	\$177,972.24	\$23,603.79		\$51,028.55	\$6,036.14	\$1,218.36
Energy Charges - (Replacement/Off Peak)					\$11,768.84				
Net Congestion, Losses, FTR			\$125.31	-\$2,548.53			-\$143.16	-\$309.74	-\$143.49
Transmission Charges (Energy-Debits)			\$12,788.44						
ESPP Charges									
Bill Adjustments (General & Rate Levelization)						\$1.75			
<u>ENERGY CHARGES (-Credits or Adjustments):</u>									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$8,673.41				
Net Congestion, Losses, FTR		-\$907.19			\$2,648.92				
Bill Adjustments (General & Rate Levelization)		\$58.62	-\$8,659.60				-\$8,504.76	-\$1,006.02	-\$812.24
Sub-Total Energy Charges	\$0.00	\$50,818.85	\$15,417.31	\$175,423.71	\$29,348.14	\$1.75	\$42,380.63	\$4,720.38	\$262.63
<u>TRANSMISSION & SERVICE CHARGES, MISC.:</u>									
RPM / PJM Charges Capacity - (+Debit)									
RPM / PJM Charges Capacity - (-Credit)									
Service Fees AMP-Dispatch Center - (+Debit/-Credit)									
Service Fees AMP-Part A - (+Debit/-Credit)									
Service Fees AMP-Part B - (+Debit/-Credit)									
Other Charges & Bill Adjustments - (+Debit/-Credit)									
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL NET COST OF PURCHASED POWER	-\$43,047.89	\$115,539.40	\$183,286.56	\$175,423.71	\$29,348.14	-\$558.31	\$213,677.42	\$16,173.82	\$8,403.64
<i>Percent % of Total Power Cost-></i>	<i>-3.8139%</i>	<i>10.2363%</i>	<i>16.2384%</i>	<i>15.5418%</i>	<i>2.6001%</i>	<i>-0.0495%</i>	<i>18.9309%</i>	<i>1.4329%</i>	<i>0.7445%</i>
<i>Purchased Power Resources - Cost per kWh-></i>	<i>\$0.00000</i>	<i>\$0.099242</i>	<i>\$0.093059</i>	<i>\$0.062049</i>	<i>\$0.034255</i>	<i>-\$31.017222</i>	<i>\$0.150747</i>	<i>\$0.096462</i>	<i>\$0.062078</i>

BILLING SUMMARY AND CONS

2020 - DECEMBER BILLING WITH OCTOBER 20

PREVIOUS MONTH'S POWER BILLS - PU

DATA PERIOD

AMP-Ohio Bill Month
 City-System Data Month
 City-Monthly Billing Cycle

	====WIND====		====SOLAR====		===TRANSMISSION, SERVICE FEES & MISC. CONTRACTS===				
(	NYPA	JV-5	JV-6	AMP SOLAR	EFFNCY.SMART	TRANSMISSION	SERVICE FEES	MISCELLANEOUS	TOTAL -
PURCHASED POWER-RESOURCES -> (	HYDRO	HYDRO	WIND	PHASE 1	POWER PLANT	CHARGES	DISPATCH, A & B	CHARGES &	ALL
(	SCHED. @ NYIS	7x24 @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	2017 - 2020	Other Charges	Other Charges	LEVELIZATION	RESOURCES
Delivered kWh (On Peak) ->	642,085	2,297,472	24,695	109,077	0	0	0	0	11,523,225
Delivered kWh (Off Peak) ->									469,185
Delivered kWh (Replacement/Losses/Offset) ->		33,473							33,473
Delivered kWh/Sale (Credits) ->									-380,825
Net Total Delivered kWh as Billed ->	642,085	2,330,945	24,695	109,077	0	0	0	0	11,645,058
Percent % of Total Power Purchased->	5.5138%	20.0166%	0.2121%	0.9367%	0.0000%	0.0000%	0.0000%	0.0000%	100.0002%
								Verification Total ->	100.0000%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$7,033.78	\$22,942.25	\$1,025.10			\$196,731.36			\$562,842.32
Debt Services (Principal & Interest)		\$55,381.81							\$213,258.60
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)		-\$20,019.33	-\$848.31	-\$3,650.86					-\$74,423.06
Capacity Credit	-\$2,198.63	-\$7,261.35	-\$152.67	-\$1,242.12					-\$74,063.74
Sub-Total Demand Charges	\$4,835.15	\$51,043.38	\$24.12	-\$4,892.98	\$0.00	\$196,731.36	\$0.00	\$0.00	\$627,614.12
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$5,688.81	\$41,724.36		\$3,962.76		\$9,106.48			\$383,172.07
Energy Charges - (Replacement/Off Peak)									\$11,768.84
Net Congestion, Losses, FTR	\$2,639.53								-\$380.08
Transmission Charges (Energy-Debits)									\$12,788.44
ESPP Charges					\$20,659.88				\$20,659.88
Bill Adjustments (General & Rate Levelization)									\$1.75
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$8,673.41
Net Congestion, Losses, FTR									\$1,741.73
Bill Adjustments (General & Rate Levelization)	\$1,015.79								-\$17,908.21
Sub-Total Energy Charges	\$9,344.13	\$41,724.36	\$0.00	\$3,962.76	\$20,659.88	\$9,106.48	\$0.00	\$0.00	\$403,171.01
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)						\$88,385.08			\$88,385.08
RPM / PJM Charges Capacity - (-Credit)									\$0.00
Service Fees AMP-Dispatch Center - (+Debit/-Credit)									\$0.00
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,764.66		\$2,764.66
Service Fees AMP-Part B - (+Debit/-Credit)							\$6,788.05		\$6,788.05
Other Charges & Bill Adjustments - (+Debit/-Credit)									\$0.00
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$88,385.08	\$9,552.71	\$0.00	\$97,937.79
TOTAL NET COST OF PURCHASED POWER	\$14,179.28	\$92,767.74	\$24.12	-\$930.22	\$20,659.88	\$294,222.92	\$9,552.71	\$0.00	\$1,128,722.92
Percent % of Total Power Cost->	1.2562%	8.2188%	0.0021%	-0.0824%	1.8304%	26.0669%	0.8463%	0.0000%	100.000%
								Verification Total ->	\$1,128,722.92
Purchased Power Resources - Cost per kWh->	\$0.022083	\$0.039798	\$0.000977	-\$0.008528	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.096927
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV2 Electric Service Rate -> \$0.031163
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV5 Electric Service Rate -> \$0.031163



AMERICAN MUNICIPAL POWER, INC.

1111 Schrock Rd, Suite 100
COLUMBUS, OHIO 43229
PHONE: (614) 540-1111
FAX: (614) 540-1078

INVOICE NUMBER: 210470
INVOICE DATE: 11/12/2020
DUE DATE: 11/27/2020
TOTAL AMOUNT DUE: \$1,128,722.92
CUSTOMER NUMBER: 5020
CUSTOMER P.O. #: RG10046

City of Napoleon

Attn: Finance Director
255 W. Riverview Ave., P.O. Box 151
Napoleon, Ohio 43545-0151

PLEASE WRITE INVOICE NUMBER ON
REMITTANCE. MAKE CHECK PAYABLE TO AMP

Northern Power Pool Billing - October, 2020

MUNICIPAL PEAK: 20,138 kW
TOTAL METERED ENERGY: 11,703,536 kWh

Total Power Charges:	\$824,947.29
Transmission / Capacity / Ancillary Services:	\$294,222.92
Total Other Charges:	\$9,552.71
Total Miscellaneous Charges:	\$0.00

GRAND TOTAL POWER INVOICE: \$1,128,722.92

*** The Total Charges on this invoice may include a credit paid to the Municipal for power supply which was invoiced separately and repurchased by AMP for use as a Northern Power Pool Resource.

NOTE: PLEASE SEE ENCLOSED BACKUP FOR MORE DETAILED INFORMATION

*** To avoid a delayed payment charge, payment must be made to provide available funds for use by AMP on or before the due date.

Wire or ACH Transfer Information :

Huntington National Bank
Columbus, Ohio
Account 0189-2204055
ABA: #044 000024

Mailing Address :

AMP, Inc.
Dept. L614
Columbus, Oh 43260

Notes:

If you have any questions regarding the detail on this invoice, please contact Mitch Gross at mgross@amppartners.org or at 614-540-0873.

DETAIL INFORMATION OF POWER CHARGES October , 2020
Napoleon

FOR THE MONTH OF:	October, 2020	Total Metered Load kWh:	11,703,536
		Transmission Losses kWh:	-58,479
		Distribution Losses kWh:	0
		Total Energy Req. kWh:	11,645,057
TIME OF FENTS PEAK:	10/29/2020 @ H.E. 11:00	COINCIDENT PEAK kW:	19,839
TIME OF MUNICIPAL PEAK:	10/27/2020 @ H.E. 12:00	MUNICIPAL PEAK kW:	20,138
TRANSMISSION PEAK:	July 19, 2019 15:00	TRANSMISSION PEAK kW:	30,346
		PJM Capacity Requirement kW:	27,039

Napoleon Resources

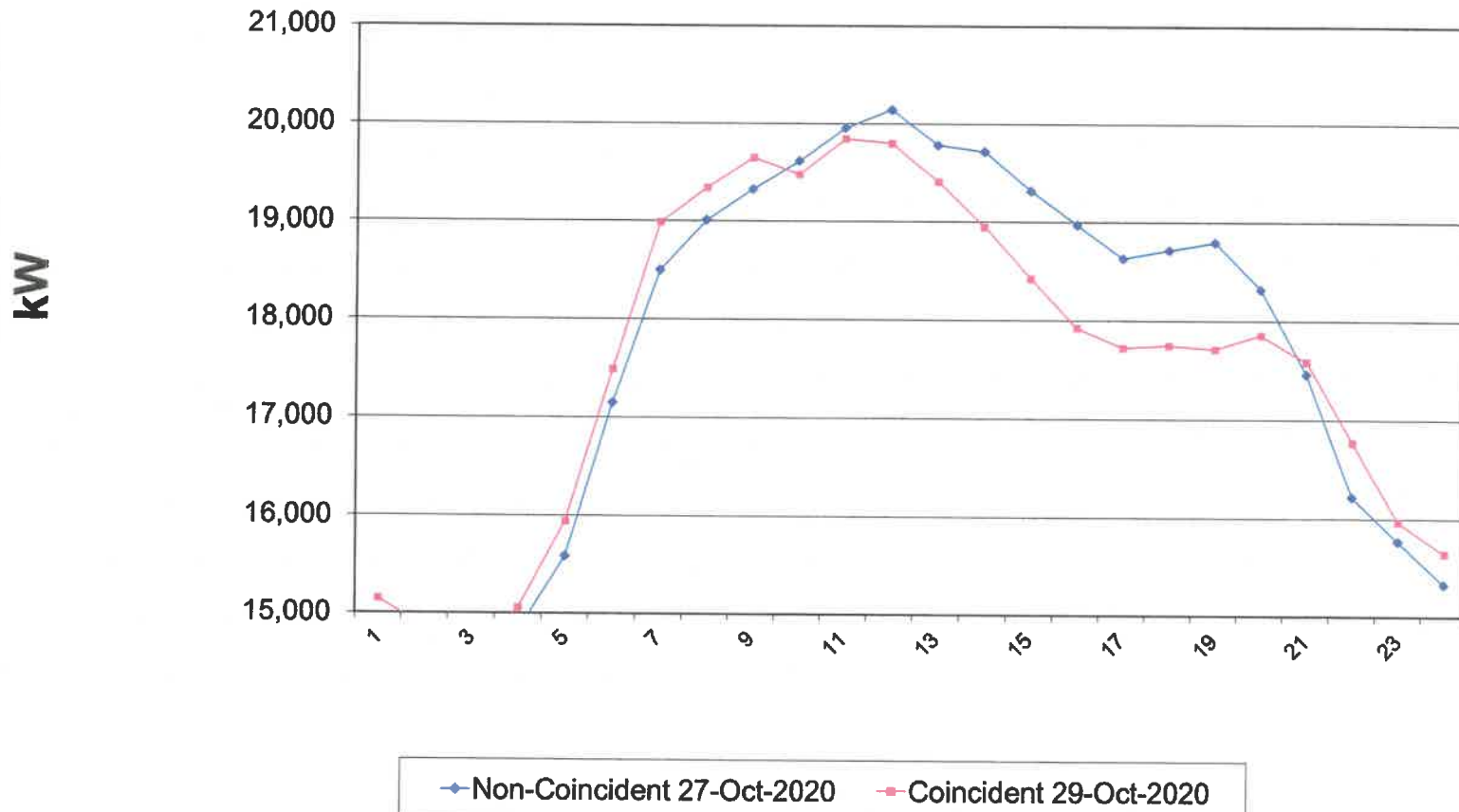
AMP CT - Sched @ ATSI			
Demand Charge:	\$2.659962 / kW *	12,400 kW =	\$32,983.53
Transmission Credit:	\$3.974261 / kW *	-12,400 kW =	-\$49,280.84
Capacity Credit:	\$2.157305 / kW *	-12,400 kW =	-\$26,750.58
Subtotal		0 kWh =	-\$43,047.89
Fremont - sched @ Fremont			
Demand Charge:	\$4.689761 / kW *	8,767 kW =	\$41,115.56
Energy Charge:	\$0.044380 / kWh *	1,164,218 kWh =	\$51,667.42
Net Congestion, Losses, FTR:	-\$0.000779 / kWh *		-\$907.19
Capacity Credit:	\$2.267900 / kW *	-8,767 kW =	-\$19,882.88
Debt Service:	\$4.960354 / kW	8,767 kW	\$43,487.87
Adjustment for prior month:			\$58.62
Subtotal		1,164,218 kWh =	\$115,539.40
AMP Hydro CSW - Sched @ PJMC			
Demand Charge:	\$49.776006 / kW *	3,498 kW =	\$174,116.47
Energy Charge:	\$0.036000 / kWh *	1,417,460 kWh =	\$51,028.55
Net Congestion, Losses, FTR:	-\$0.000101 / kWh *		-\$143.16
Capacity Credit:	\$0.806083 / kW *	-3,498 kW =	-\$2,819.68
REC Credit (Estimate):	-\$0.006000 / kWh	1,417,460 kWh	-\$8,504.76
Subtotal		1,417,460 kWh =	\$213,677.42
Meldahl Hydro - Sched @ Meldahl Bus			
Demand Charge:	\$26.631964 / kW *	504 kW =	\$13,422.51
Energy Charge:	\$0.036000 / kWh *	167,671 kWh =	\$6,036.14
Net Congestion, Losses, FTR:	-\$0.001847 / kWh *		-\$309.74
Capacity Credit:	\$3.906885 / kW *	-504 kW =	-\$1,969.07
REC Credit (Estimate):	-\$0.006000 / kWh	167,671 kWh =	-\$1,006.02
Subtotal		167,671 kWh =	\$16,173.82
JV6 - Sched @ ATSI			
Demand Charge:	\$3.417000 / kW *	300 kW =	\$1,025.10
Energy Charge:		24,695 kWh	
Transmission Credit:	\$2.827700 / kW *	-300 kW =	-\$948.31
Capacity Credit:	\$0.508900 / kW *	-300 kW =	-\$152.67
Subtotal		24,695 kWh =	\$24.12
Greenup Hydro - Sched @ Greenup Bus			
Demand Charge:	\$26.180000 / kW *	330 kW =	\$8,639.40
Energy Charge:	\$0.009000 / kWh *	135,373 kWh =	\$1,218.36
Net Congestion, Losses, FTR:	-\$0.001060 / kWh *		-\$143.49
Capacity Credit:	\$1.510273 / kW *	-330 kW =	-\$498.39
REC Credit (Estimate):	-\$0.006000 / kWh	135,373 kWh =	-\$812.24
Subtotal		135,373 kWh =	\$8,403.64
Prairie State - Sched @ PJMC			
Demand Charge:	\$12.890008 / kW *	4,976 kW =	\$64,140.68
Energy Charge:	\$0.005668 / kWh *	1,969,569 kWh =	\$11,163.16
Net Congestion, Losses, FTR:	\$0.000064 / kWh *		\$125.31
Capacity Credit:	\$2.142353 / kW *	-4,976 kW =	-\$10,660.35
Debt Service:	\$22.988127 / kW	4,976 kW	\$114,388.92
Transmission from PSEC to PJM/MISO, including non-Prairie State variable charges/credits:	\$0.006493 / kWh	1,969,569 kWh	\$12,788.44
Board Approved Rate Levelization:			-\$8,659.60
Subtotal		1,969,569 kWh =	\$183,286.56
NYPA - Sched @ NYIS			
Demand Charge:	\$7.482745 / kW *	940 kW =	\$7,033.78
Energy Charge:	\$0.008860 / kWh *	642,085 kWh =	\$5,688.81
Net Congestion, Losses, FTR:	\$0.004111 / kWh *		\$2,639.53
Capacity Credit:	\$2.351476 / kW *	-935 kW =	-\$2,198.63
Adjustment for prior month:			\$1,015.79
Subtotal		642,085 kWh =	\$14,179.28
JV5 - TX24 @ ATSI			
Demand Charge:	\$7.429485 / kW *	3,088 kW =	\$22,942.25
Energy Charge:	\$0.018161 / kWh *	2,297,472 kWh =	\$41,724.36
Transmission Credit:	\$6.482944 / kW *	-3,088 kW =	-\$20,019.33
Capacity Credit:	\$2.351473 / kW *	-3,088 kW =	-\$7,261.35
Debt Service (current month):	\$17.934524 / kW	3,088 kW	\$55,381.81
Subtotal		2,297,472 kWh =	\$92,767.74
JV5 Losses - Sched @ ATSI			
Energy Charge:		33,473 kWh	
Subtotal		33,473 kWh =	\$0.00
JV2 - Sched @ ATSI			
Demand Charge:	\$2.620000 / kW *	264 kW =	\$691.68
Energy Charge:		18 kWh	
Transmission Credit:	\$2.362576 / kW *	-264 kW =	-\$623.72
Capacity Credit:	\$2.378864 / kW *	-264 kW =	-\$628.02

DETAIL INFORMATION OF POWER CHARGES October , 2020
Napoleon

JV2 Project Fuel Costs not recovered through Energy Sales to Market :			\$1.75
<i>Subtotal</i>			18 kWh =
			-\$558.31
AMP Solar Phase I - Sched @ ATSI			
Demand Charge:		1,040 kW =	
Energy Charge:	\$0.036330 / kWh *	109,077 kWh =	\$3,962.76
Transmission Credit:			-\$3,650.86
Capacity Credit:	\$1.194346 / kW *	-1,040 kW =	-\$1,242.12
<i>Subtotal</i>			109,077 kWh =
			-\$930.22
Morgan Stanley 2015-2020 - 7x24 @ AD			
Demand Charge:		3,800 kW	
Energy Charge:	\$0.062950 / kWh *	2,827,200 kWh =	\$177,972.24
Net Congestion, Losses, FTR:	-\$0.000901 / kWh *		-\$2,548.53
<i>Subtotal</i>			2,827,200 kWh =
			\$175,423.71
Efficiency Smart Power Plant 2020-23			
ESPP 2020-2023 obligation @ \$1.650 /MWh x 150,253.7 MWh / 12:			\$20,659.88
<i>Subtotal</i>			0 kWh =
			\$20,659.88
Northern Power Pool			
On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.030719 / kWh *	768,387 kWh =	\$23,603.79
Off Peak Energy Charge:	\$0.025084 / kWh *	469,185 kWh =	\$11,768.84
Sale of Excess Non-Pool Resources to Pool:	\$0.022775 / kWh *	-380,825 kWh =	-\$8,673.41
Pool Congestion Hedge:			\$2,648.92
<i>Subtotal</i>			\$0.034255 / kWh *
			856,747 kWh =
			\$29,348.14
Total Demand Charges:			\$430,884.51
Total Energy Charges:			\$394,062.78
Total Power Charges:			11,645,057 kWh
			\$824,947.29
TRANSMISSION / CAPACITY / ANCILLARY SERVICES			
Demand Charge:	\$6.482942 / kW *	30,346 kW =	\$196,731.36
Energy Charge:	\$0.000974 / kWh *	9,347,585 kWh =	\$9,106.48
RPM (Capacity) Charges:	\$3.268800 / kW *	27,039 kW =	\$88,385.08
TRANSMISSION / CAPACITY / ANCILLARY SERVICES:			\$0.031476 / kWh *
			9,347,585 kWh =
			\$294,222.92
Service Fee Part A,			
Based on Annual Municipal Sales	\$0.000229 / kWh *	144,873,225 kWh 1/12 =	\$2,764.86
Service Fee Part B,			
Energy Purchases	\$0.000580 /kWh *	11,703,536 kWh =	\$6,788.05
TOTAL OTHER CHARGES:			\$9,552.71
GRAND TOTAL POWER INVOICE:			\$1,128,722.92

Napoleon Capacity Plan - Actual														
Oct	2020	ACTUAL DEMAND =		20.14	MW									
Days	31	ACTUAL ENERGY =		11,704	MWH									
	SOURCE	DEMAND MW	DEMAND MW-MO	ENERGY MWH	LOAD FACTOR	DEMAND RATE \$/KW	ENERGY RATE \$/MWH	CONGESTION/L OSSES \$/MWH	CAPACITY CREDIT RATE \$/KW	TRANSMISSION CREDIT RATE \$/KW	TOTAL CHARGES	EFFECTIVE RATE \$/MWH	% OF DOLLARS	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(16)	(17)	(18)	
1	NYPA - Ohio	0.94	0.94	842	92%	\$7.48	\$10.44	\$4.11	-\$2.34	\$0.00	\$14,179	\$22.08	1.3%	
2	JV5	3.09	3.09	2,297	100%	\$25.36	\$18.16	\$0.00	-\$2.35	-\$6.48	\$92,768	\$40.38	8.2%	
3	JV5 Losses	0.00	0.00	33	0%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	\$0.00	0.0%	
4	JV6	0.30	0.30	25	11%	\$3.42	\$0.00	\$0.00	-\$2.83	-\$0.51	\$24	\$0.98	0.0%	
5	AMP-Hydro	3.50	3.50	1,417	54%	\$49.78	\$30.00	-\$0.10	-\$0.81	\$0.00	\$213,677	\$150.75	19.0%	
6	Meldahl	0.50	0.50	168	45%	\$26.63	\$30.00	-\$1.85	-\$3.91	\$0.00	\$16,174	\$96.46	1.4%	
7	Greenup	0.33	0.33	135	55%	\$26.18	\$3.00	-\$1.06	-\$1.51	\$0.00	\$8,404	\$62.08	0.7%	
8	AFEC	8.77	8.77	1,164	18%	\$9.65	\$44.43	-\$0.78	-\$2.27	\$0.00	\$115,539	\$99.24	10.3%	
9	Prairie State	4.98	4.98	1,970	53%	\$35.88	\$7.76	\$0.06	-\$2.14	\$0.00	\$183,287	\$93.06	16.3%	
10	AMP Solar Phase I	1.04	1.04	109	14%	\$0.00	\$36.33	\$0.00	-\$1.19	-\$3.51	-\$930	-\$8.53	-0.1%	
11	Morgan Stanley 2015-2020 7x24	3.80	3.80	2,827	100%	\$0.00	\$62.95	-\$0.90	\$0.00	\$0.00	\$175,424	\$62.05	15.6%	
12	AMPCT	12.40	12.40	0	0%	\$2.66	\$0.00	\$0.00	-\$2.16	-\$3.97	-\$43,048	\$0.00	-3.8%	
13	JV2	0.26	0.26	0	0%	\$2.62	\$0.00	\$0.00	-\$2.38	-\$2.36	-\$558	\$0.00	0.0%	
14	NPP Pool Purchases	0.00	0.00	1,238	0%	\$0.00	\$30.71	\$0.00	\$0.00	\$0.00	\$38,003	\$30.71	3.4%	
15	NPP Pool Sales	0.00	0.00	-381	0%	\$0.00	\$22.78	\$0.00	\$0.00	\$0.00	-\$8,673	\$22.78	-0.8%	
	POWER TOTAL	39.91	39.91	11,645	39%	\$679.370	\$374.674	-\$9.11	-\$74.759	-\$73.727	\$904,269	\$89.07	71.4%	
16	Energy Efficiency			0		\$0.00	\$0.00				\$20,660	\$0.00	1.8%	
17	Installed Capacity	27.04	27.04			\$3.27					\$88,385	\$7.55	7.8%	
18	Transmission	30.35	30.35	9,348		\$6.48	\$0.97				\$205,838	\$17.59	18.3%	
19	Service Fee B			11,704			\$0.58				\$6,788	\$0.58	0.6%	
20	Dispatch Charge			11,704			\$0.00				\$0	\$0.00	0.0%	
	OTHER TOTAL						\$285,116	\$36,554			\$321,671	\$27.48	28.6%	
GRAND TOTAL PURCHASED				11,645							\$1,125,940			
Delivered to members		20,138	20,138	11,704	78%						\$1,125,940	\$96.21	100.0%	
		DEMAND		ENERGY	L.F.						TOTAL \$	\$/MWh	Avg Temp	
	2020 Forecast	27.95		12,682	61%						\$1,101,723	\$86.87	52.3	
	2019 Actual	26.77		12,044	60%						\$1,077,543	\$89.47	55.7	
	2018 Actual	28.32		12,850	61%						\$1,199,087	\$93.32	53.9	
											Actual Temp		52.6	

Napoleon Peak Day Load Curve

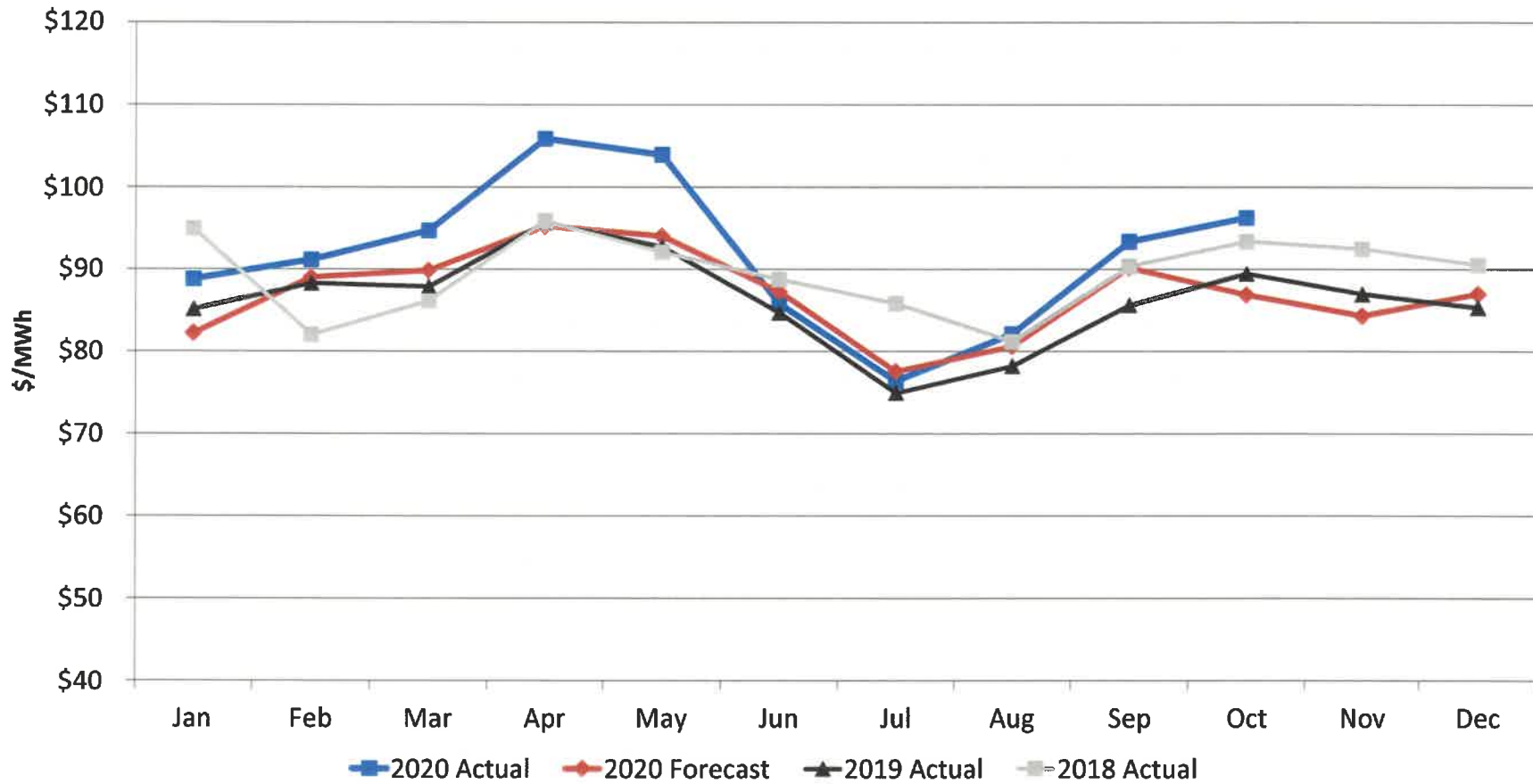


NAPOLEON

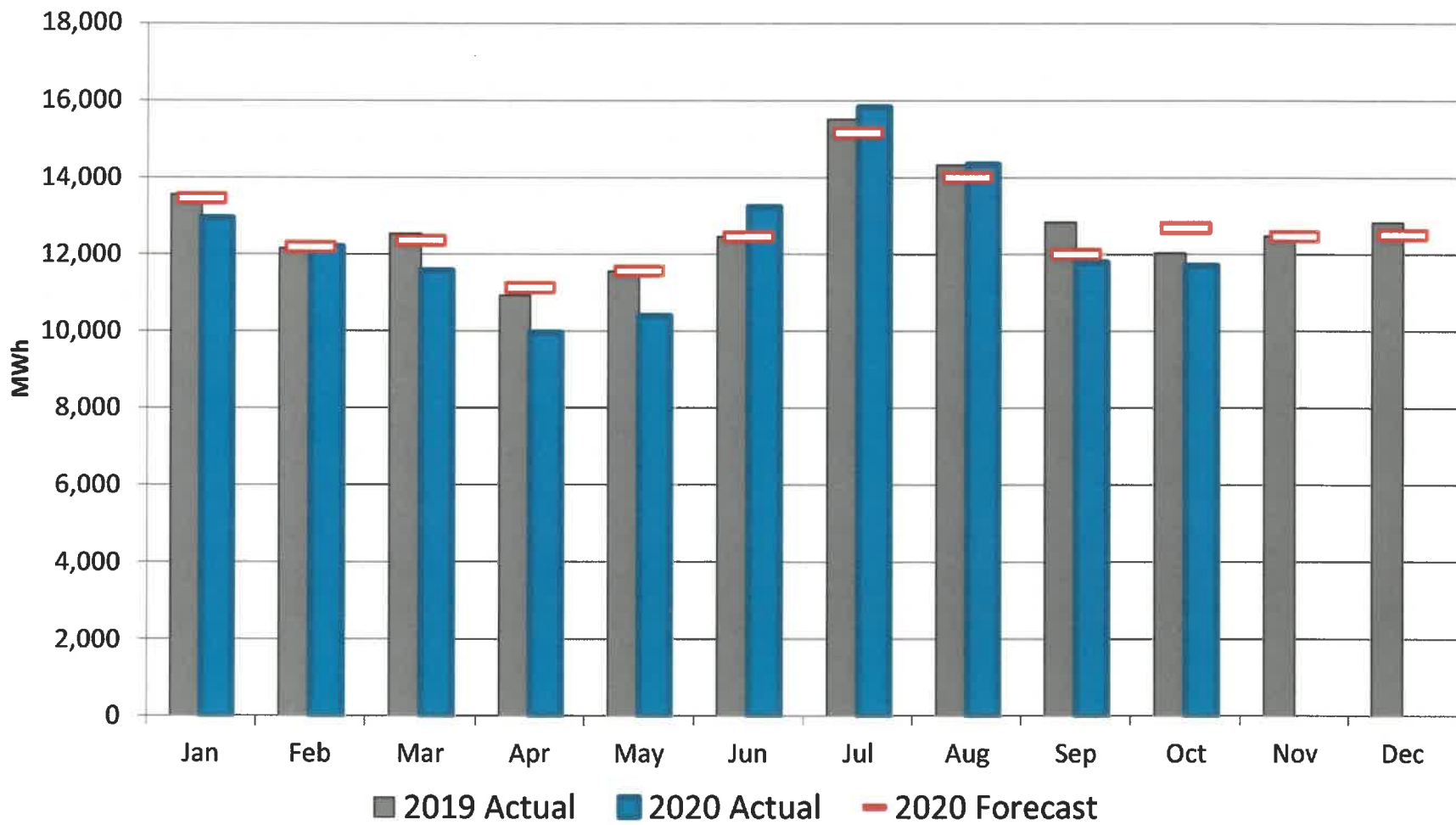
Date	Thursday 10/1/2020	Friday 10/2/2020	Saturday 10/3/2020	Sunday 10/4/2020	Monday 10/5/2020	Tuesday 10/6/2020	Wednesday 10/7/2020	Thursday 10/8/2020	Friday 10/9/2020	Saturday 10/10/2020	Sunday 10/11/2020	Monday 10/12/2020	Tuesday 10/13/2020	Wednesday 10/14/2020	Thursday 10/15/2020
100	13,824	13,590	11,941	11,398	12,449	13,183	13,484	13,386	13,537	12,444	11,984	12,640	13,559	13,391	13,452
200	13,308	13,001	11,804	11,281	12,382	12,624	12,904	12,749	13,149	12,232	11,611	12,706	13,106	12,987	12,998
300	13,134	12,934	11,857	11,216	12,663	12,574	13,013	12,725	12,978	12,210	11,632	12,664	13,048	13,116	12,810
400	13,679	13,385	12,001	11,176	13,289	13,190	13,647	13,226	13,302	12,333	11,576	13,129	13,640	13,754	13,059
500	14,500	14,151	12,171	11,390	14,156	14,315	14,206	14,181	13,979	12,587	11,566	13,923	14,427	14,728	13,836
600	15,948	15,528	12,756	12,094	15,525	15,552	15,338	15,645	15,410	12,901	11,854	15,373	15,836	16,029	15,495
700	17,023	16,474	13,637	12,722	16,669	17,056	16,359	16,965	16,589	13,563	12,310	16,336	17,194	17,289	16,778
800	17,293	16,893	14,347	13,185	17,112	17,398	16,714	17,528	16,779	13,973	12,714	16,904	17,447	17,804	17,191
900	17,596	17,179	14,787	13,630	17,360	17,763	17,119	17,666	17,259	14,662	13,353	17,252	17,758	18,041	17,589
1000	17,617	17,221	14,945	14,072	17,419	17,755	17,386	17,953	17,542	15,076	13,740	17,865	17,791	18,339	17,710
1100	17,728	17,114	14,861	14,534	17,506	17,747	17,569	17,993	17,659	15,461	14,172	18,120	17,912	18,400	17,798
1200	17,727	16,927	14,645	14,498	17,435	17,745	17,777	17,831	17,544	15,278	14,392	18,301	17,753	18,365	17,804
1300	17,678	16,742	14,505	14,256	17,251	17,557	17,921	18,016	17,435	15,296	14,343	18,473	17,747	18,181	17,473
1400	17,332	16,186	14,085	13,948	17,127	17,209	17,519	17,774	17,453	15,215	14,494	18,051	17,384	17,567	17,183
1500	16,939	16,205	13,573	13,825	16,545	16,837	17,283	17,144	16,989	16,018	14,561	17,759	16,722	17,024	16,762
1600	16,520	15,635	13,159	13,782	16,056	16,602	17,087	16,719	16,974	15,056	14,761	17,345	16,538	16,891	16,644
1700	16,294	15,245	13,298	14,042	15,961	16,344	16,830	16,515	16,453	14,920	14,662	17,226	16,448	16,862	16,580
1800	16,131	15,019	13,390	14,010	15,766	16,300	15,500	16,392	16,245	14,848	14,774	17,227	16,338	16,786	16,665
1900	16,368	15,086	13,846	14,460	16,362	16,645	16,363	16,822	16,241	15,188	15,075	17,366	16,822	17,355	16,805
2000	16,586	15,290	13,823	14,713	16,486	16,620	16,373	16,735	15,992	15,027	14,905	16,987	16,643	17,200	16,447
2100	15,939	14,773	13,305	14,083	15,690	15,971	15,510	16,064	15,366	14,397	14,241	16,000	15,949	16,405	15,916
2200	15,120	14,100	12,766	13,412	14,818	14,912	14,814	15,099	14,506	13,767	13,477	15,080	15,017	15,457	15,075
2300	14,491	13,081	12,239	13,030	14,147	14,297	14,189	14,454	13,723	13,227	13,222	14,341	14,484	14,395	14,591
2400	14,028	12,350	11,682	12,613	13,615	13,839	13,722	13,793	12,933	12,449	12,943	13,998	14,078	13,935	14,127
Total	382,803	364,109	319,423	317,370	373,789	380,035	378,627	383,375	376,037	337,128	322,362	385,066	383,641	390,301	380,788

Date	Friday 10/16/2020	Saturday 10/17/2020	Sunday 10/18/2020	Monday 10/19/2020	Tuesday 10/20/2020	Wednesday 10/21/2020	Thursday 10/22/2020	Friday 10/23/2020	Saturday 10/24/2020	Sunday 10/25/2020	Monday 10/26/2020	Tuesday 10/27/2020	Wednesday 10/28/2020	Thursday 10/29/2020	Friday 10/30/2020	Saturday 10/31/2020
100	13,686	12,613	12,192	13,094	14,544	14,776	14,182	14,356	11,931	12,986	14,305	14,890	15,073	15,154	15,287	14,178
200	13,319	12,501	12,059	12,941	14,249	14,262	13,799	13,854	11,618	12,786	14,335	14,521	14,774	14,861	15,030	13,982
300	13,063	12,276	11,914	13,095	13,990	14,086	13,855	13,620	11,621	12,705	14,376	14,428	14,574	14,613	15,051	13,798
400	13,330	12,437	11,951	13,577	14,350	14,384	14,189	13,766	11,715	12,851	14,939	14,818	14,859	15,060	15,446	13,806
500	14,188	12,518	11,997	14,449	15,130	15,221	14,900	14,575	12,020	13,042	15,915	15,591	15,835	15,947	16,126	14,069
600	15,709	12,912	12,285	16,324	16,798	16,551	16,304	16,209	12,627	13,438	17,712	17,149	17,400	17,490	17,473	14,776
700	17,089	14,009	12,887	17,733	18,100	17,795	17,633	17,732	13,749	14,039	18,865	18,491	18,753	18,985	18,616	15,477
800	17,522	15,008	13,506	18,309	18,442	18,107	17,963	17,844	14,733	14,739	19,073	19,003	19,057	19,337	19,067	16,168
900	17,591	15,463	14,312	18,763	18,958	18,487	18,392	18,374	15,455	15,059	19,391	19,321	19,188	19,641	19,450	16,587
1000	17,787	15,446	14,787	19,009	18,905	18,739	18,807	18,737	15,771	15,372	19,731	19,609	19,293	19,473	19,679	16,693
1100	17,583	15,427	14,965	18,936	19,129	18,987	18,875	19,127	15,856	15,682	19,867	19,950	19,056	19,839	19,648	16,534
1200	17,522	15,165	14,855	18,950	19,073	18,873	18,861	19,143	15,593	15,890	19,787	20,138	19,130	19,792	19,618	16,289
1300	17,170	14,979	14,958	18,878	19,278	18,508	18,421	19,556	15,517	15,777	19,475	19,774	19,068	19,405	19,462	15,971
1400	16,659	14,470	14,639	18,306	18,921	18,170	18,187	19,306	15,076	15,550	19,117	19,710	18,903	18,944	18,998	15,474
1500	16,214	14,151	14,456	17,647	18,243	17,501	17,698	18,640	14,742	15,372	18,514	19,311	18,001	18,418	18,453	15,005
1600	15,862	14,251	14,494	17,342	18,147	16,975	17,635	17,913	14,602	15,592	18,293	18,967	17,807	17,924	17,890	14,844
1700	15,682	14,373	14,906	17,460	18,351	17,014	17,581	17,294	14,424	15,914	18,326	18,623	17,953	17,725	17,833	14,892
1800	15,757	14,778	15,416	18,040	18,194	17,192	17,637	17,251	14,693	16,417	18,589	18,708	18,406	17,747	18,200	15,257
1900	16,241	14,887	15,274	17,963	18,513	17,699	18,134	16,973	15,239	16,857	18,702	18,786	18,531	17,712	17,837	15,715
2000	15,916	14,648	15,111	17,494	18,289	17,527	17,764	16,373	15,054	16,512	18,240	18,313	18,341	17,856	17,617	15,310
2100	15,448	14,147	14,532	16,791	17,350	16,691	17,104	15,675	14,644	16,022	17,513	17,459	17,617	17,587	17,142	14,763
2200	14,631	13,705	13,877	15,776	16,271	15,735	16,302	14,634	14,312	15,262	16,684	16,225	16,843	16,772	16,371	14,128
2300	13,446	13,088	13,615	15,371	15,652	15,048	15,522	13,174	13,735	15,089	16,055	15,771	16,282	15,973	15,166	13,691
2400	12,928	12,420	13,341	14,958	15,143	14,617	14,860	12,350	13,310	14,683	15,485	15,331	15,970	15,650	14,593	13,178
Total	374,323	323,252	332,329	401,206	414,020	402,945	404,605	396,476	338,037	357,636	423,289	424,887	420,714	421,905	420,053	360,585
											Maximum	20,138	Minimum	11,176	Grand Total	11,703,536

Napoleon 2020 Monthly Rates



Napoleon 2020 Monthly Energy Usage



RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2020 DECEMBER BILLING - ELECTRIC PSCAF - BILLING COMPARISONS TO PRIOR PERIODS

Rate Comparisons to Prior Month and Prior Year for Same Period										
Customer Type	Service Usage	Service Units	Current	Prior Month	Prior Year	Service Usage	Service Units	Current	Prior Month	Prior Year
			DECEMBER 2020 Rate	NOVEMBER 2020 Rate	DECEMBER 2019 Rate			DECEMBER 2020 Rate	NOVEMBER 2020 Rate	DECEMBER 2019 Rate
<i>Customer Type -></i>			RESIDENTIAL USER - (w/Gas Heat)			RESIDENTIAL USER - (All Electric)				
Customer Charge			\$6.00	\$6.00	\$6.00			\$6.00	\$6.00	\$6.00
Distribution Energy Charge			\$20.93	\$20.93	\$20.93			\$33.39	\$33.39	\$33.39
Distribution Demand Charge										
Power Supply Energy Charge	978	kWh	\$71.20	\$71.20	\$71.20	1,976	kWh	\$143.85	\$143.85	\$143.85
Power Supply Demand Charge										
PSCAF - Monthly Factor	978	kWh	\$19.68	\$12.38	\$13.20	1,976	kWh	\$39.76	\$25.02	\$26.68
kWh Tax- Level 1	978	kWh	\$4.55	\$4.55	\$4.55	1,976	kWh	\$9.19	\$9.19	\$9.19
kWh Tax- Level 2										
kWh Tax- Level 3										
Total Electric			\$122.36	\$115.06	\$115.88			\$232.19	\$217.45	\$219.11
Water	6	CCF	\$55.35	\$55.35	\$50.55	11	CCF	\$91.89	\$91.89	\$83.14
Sewer (w/Stm.Sew. & Lat.)	6	CCF	\$74.13	\$74.13	\$70.89	11	CCF	\$104.83	\$104.83	\$98.89
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50			\$9.50	\$9.50	\$9.50
Refuse (Rate/Service)			\$18.00	\$18.00	\$18.00			\$18.00	\$18.00	\$18.00
Sub-Other Services			\$156.98	\$156.98	\$148.94			\$224.22	\$224.22	\$209.53
Total Billing - All Services			\$279.34	\$272.04	\$264.82			\$456.41	\$441.67	\$428.64
<i>Verification Totals-></i>			\$279.34	\$272.04	\$264.82			\$456.41	\$441.67	\$428.64
Dollar Chg.to Prior Periods				\$7.30	\$14.52				\$14.74	\$27.77
% Inc/Dec(-) to Prior Periods				2.68%	5.48%				3.34%	6.48%
=====										
Cost/kWh - Electric	978	kWh	\$0.12511	\$0.11765	\$0.11849	1,976	kWh	\$0.11751	\$0.11005	\$0.11089
% Inc/Dec(-) to Prior Periods				6.34%	5.59%				6.78%	5.97%
Cost/CCF - Water	6	CCF	\$9.22500	\$9.22500	\$8.42500	11	CCF	\$8.35364	\$8.35364	\$7.55818
Cost/GALLONS - Water	4,488	GAL	\$0.01233	\$0.01233	\$0.01126	8,229	GAL	\$0.01117	\$0.01117	\$0.01010
% Inc/Dec(-) to Prior Periods				0.00%	9.50%				0.00%	10.52%
Cost/CCF - Sewer	6	CCF	\$12.35500	\$12.35500	\$11.81500	11	CCF	\$9.53000	\$9.53000	\$8.99000
Cost/GALLON - Sewer	4,488	GAL	\$0.01652	\$0.01652	\$0.01580	8,229	GAL	\$0.01274	\$0.01274	\$0.01202
% Inc/Dec(-) to Prior Periods				0.00%	4.57%				0.00%	6.01%
<i>(Listed Accounts Assume SAME USAGE for kWh and Water (CCF) for All Billing Periods)</i>										
<i>(One "1" Unit CCF of Water = "Hundred Cubic Foot" = 748.05 Gallons)</i>										

RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2020 DECEMBER BILLING - E											
Rate Comparisons to Prior Month a											
	Service	Service	Current	Prior Month	Prior Year		Service	Service	Current	Prior Month	Prior Year
<u>Customer Type</u>	<u>Usage</u>	<u>Units</u>	<u>DECEMBER</u>	<u>NOVEMBER</u>	<u>DECEMBER</u>		<u>Usage</u>	<u>Units</u>	<u>DECEMBER</u>	<u>NOVEMBER</u>	<u>DECEMBER</u>
			<u>2020 Rate</u>	<u>2020 Rate</u>	<u>2019 Rate</u>				<u>2020 Rate</u>	<u>2020 Rate</u>	<u>2019 Rate</u>
<i>Customer Type -></i>	COMMERCIAL USER - (3 Phase w/Demand)					INDUSTRIAL USER - (3 Phase w/Demand)					
Customer Charge			\$18.00	\$18.00	\$18.00				\$100.00	\$100.00	\$100.00
Distribution Energy Charge	7,040	kWh	\$38.02	\$38.02	\$38.02	98,748	Reactive	\$2,303.85	\$2,303.85	\$2,303.85	
Distribution Demand Charge	20.32	kW/Dmd	\$92.86	\$92.86	\$92.86	1510.1	kW/Dmd	\$8,215.30	\$8,215.30	\$8,215.30	
Power Supply Energy Charge	7,040	kWh	\$623.04	\$623.04	\$623.04	866,108	kWh	\$39,165.42	\$39,165.42	\$39,165.42	
Power Supply Demand Charge								\$15,296.55	\$15,296.55	\$15,296.55	
PSCAF - Monthly Factor	7,040	kWh	\$141.64	\$89.13	\$95.04			\$16,554.80	\$10,416.69	\$11,107.84	
kWH Tax- Level 1			\$9.66	\$9.66	\$9.66			\$9.66	\$9.66	\$9.66	
kWH Tax- Level 2			\$20.80	\$20.80	\$20.80			\$56.24	\$56.24	\$56.24	
kWH Tax- Level 3								\$3,087.71	\$3,087.71	\$3,087.71	
Total Electric			\$944.02	\$891.51	\$897.42			\$84,789.53	\$78,651.42	\$79,342.57	
Water	25	CCF	\$190.17	\$190.17	\$170.92	300	CCF	\$2,152.61	\$2,152.61	\$1,936.11	
Sewer (w/Strm.Sew. & Lat.)	25	CCF	\$192.19	\$192.19	\$177.29	300	CCF	\$1,880.69	\$1,880.69	\$1,717.29	
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50			\$330.00	\$330.00	\$330.00	
Refuse (Rate/Service)			\$5.00	\$5.00	\$5.00			\$5.00	\$5.00	\$5.00	
Sub-Other Services			\$396.86	\$396.86	\$362.71			\$4,368.30	\$4,368.30	\$3,988.40	
Total Billing - All Services			\$1,340.88	\$1,288.37	\$1,260.13			\$89,157.83	\$83,019.72	\$83,330.97	
<i>Verification Totals-></i>			\$1,340.88	\$1,288.37	\$1,260.13			\$89,157.83	\$83,019.72	\$83,330.97	
Dollar Chg.to Prior Periods				\$52.51	\$80.75				\$6,138.11	\$5,826.86	
% Inc/Dec(-) to Prior Periods				4.08%	6.41%				7.39%	6.99%	
=====											
Cost/kWH - Electric	7,040	kWh	\$0.13409	\$0.12663	\$0.12747	866,108	kWh	\$0.09790	\$0.09081	\$0.09161	
% Inc/Dec(-) to Prior Periods				5.89%	5.19%				7.81%	6.87%	
Cost/CCF - Water	25	CCF	\$7.60680	\$7.60680	\$6.83680	300	CCF	\$7.17537	\$7.17537	\$6.45370	
Cost/GALLONS - Water	18,701	GAL	\$0.01017	\$0.01017	\$0.00914	224,415	GAL	\$0.00959	\$0.00959	\$0.00863	
% Inc/Dec(-) to Prior Periods				0.00%	11.26%				0.00%	11.18%	
Cost/CCF - Sewer	25	CCF	\$7.68760	\$7.68760	\$7.09160	300	CCF	\$6.26897	\$6.26897	\$5.72430	
Cost/GALLON - Sewer	18,701	GAL	\$0.01028	\$0.01028	\$0.00948	224,415	GAL	\$0.00838	\$0.00838	\$0.00765	
% Inc/Dec(-) to Prior Periods				0.00%	8.40%				0.00%	9.52%	
<i>(Listed Accounts Assume SAME USA</i>											
<i>(One "1" Unit CCF of Water = "Hundre</i>											

BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - December, 2020

2020 - DECEMBER BILLING WITH OCTOBER 2020 AMP BILLING PERIOD AND NOVEMBER 2020 CITY CONSUMPTION AND BILLING DATA

Class and/or Schedule	Rate Code	Nov-20		Billed kVa of Demand	Cost / kWh For Month	Cost / kWh Prior 12 Mo Average	Dec-19		Cost / kWh For Month	Jan-20		Cost / kWh For Month		
		# of Bills	(kWh Usage)				Nov-20 Billed	# of Bills		(kWh Usage)	Jan-20 # of Bills		(kWh Usage)	
Residential (Dom-In)	E1	3,423	1,809,174	\$222,284.05	\$0.1229	\$0.1255	3,352	1,800,455	\$222,392.91	\$0.1235	3,349	2,102,112	\$263,500.39	\$0.1254
Residential (Dom-In) w/Ecosmart	E1E	6	2,635	\$329.85	\$0.1252	\$0.1273	6	2,459	\$312.29	\$0.1270	6	2,754	\$354.93	\$0.1289
Residential (Dom-In - All Electric)	E2	632	332,784	\$40,901.99	\$0.1229	\$0.1241	636	441,766	\$53,448.48	\$0.1210	634	630,624	\$76,820.23	\$0.1218
Res. (Dom-In - All Elec.) w/Ecosmart	E2E	1	496	\$61.31	\$0.1236	\$0.1265	1	492	\$61.28	\$0.1246	1	490	\$62.75	\$0.1281
Total Residential (Domestic)		4,062	2,145,089	\$263,577.20	\$0.1229	\$0.1252	3,995	2,245,172	\$276,214.96	\$0.1230	3,990	2,735,980	\$340,738.30	\$0.1245
Residential (Rural-Out)	ER1	803	588,978	\$76,482.95	\$0.1299	\$0.1317	796	663,550	\$85,631.27	\$0.1291	792	807,336	\$105,185.25	\$0.1303
Residential (Rural-Out) w/Ecosmart	ER1E	4	1,962	\$268.00	\$0.1366	\$0.1358	4	2,621	\$346.78	\$0.1323	4	3,204	\$426.09	\$0.1330
Residential (Rural-Out - All Electric)	ER2	360	299,458	\$38,404.31	\$0.1282	\$0.1300	366	384,009	\$48,605.53	\$0.1266	364	481,607	\$61,650.77	\$0.1280
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	1,150	\$153.63	\$0.1336	\$0.1319	2	2,162	\$273.05	\$0.1263	2	2,699	\$345.23	\$0.1279
Residential (Rural-Out w/Dmd)	ER3	15	14,001	\$1,776.57	\$0.1269	\$0.1247	15	25,028	\$3,074.29	\$0.1228	15	100,391	\$12,192.74	\$0.1215
Residential (Rural-Out - All Electric w/Dm)	ER4	9	7,516	\$963.27	\$0.1282	\$0.1316	9	7,187	\$931.24	\$0.1296	9	14,140	\$1,793.23	\$0.1268
Total Residential (Rural)		1,193	913,065	\$118,048.73	\$0.1293	\$0.1309	1,192	1,084,557	\$138,862.16	\$0.1280	1,186	1,409,377	\$181,593.31	\$0.1288
Commercial (1 Ph-In - No Dmd)	EC2	76	29,585	\$4,741.88	\$0.1603	\$0.1624	73	28,919	\$4,644.14	\$0.1606	73	34,043	\$5,428.03	\$0.1594
Commercial (1 Ph-Out - No Dmd)	EC2O	50	8,609	\$1,714.10	\$0.1991	\$0.1905	52	9,411	\$1,848.51	\$0.1964	50	13,491	\$2,402.69	\$0.1781
Total Commercial (1 Ph) No Dmd		126	38,194	\$6,455.98	\$0.1690	\$0.1694	125	38,330	\$6,492.65	\$0.1694	123	47,534	\$7,830.72	\$0.1647
Commercial (1 Ph-In - w/Demand)	EC1	256	275,143	\$43,830.30	\$0.1593	\$0.1603	259	270,782	\$42,443.32	\$0.1567	258	281,890	\$44,567.60	\$0.1581
Commercial (1 Ph-Out - w/Demand)	EC1O	25	40,700	\$5,598.80	\$0.1376	\$0.1419	24	36,593	\$5,245.08	\$0.1433	24	43,441	\$6,278.22	\$0.1445
Total Commercial (1 Ph) w/Demand		281	315,843	\$49,429.10	\$0.1565	\$0.1580	283	307,375	\$47,688.40	\$0.1551	282	325,331	\$50,845.82	\$0.1563
Commercial (3 Ph-Out - No Dmd)	EC4O	2	40	\$41.18	\$1.0295	\$0.1904	2	80	\$46.41	\$0.5801	2	4,440	\$628.10	\$0.1415
Total Commercial (3 Ph) No Dmd		2	40	\$41.18	\$1.0295	\$0.1904	2	80	\$46.41	\$0.5801	2	4,440	\$628.10	\$0.1415
Commercial (3 Ph-In - w/Demand)	EC3	215	1,758,026	\$226,457.38	\$0.1288	\$0.1328	212	1,797,126	\$233,151.82	\$0.1297	213	1,740,229	\$229,454.61	\$0.1319
Commercial (3 Ph-Out - w/Demand)	EC3O	37	318,209	\$42,462.59	\$0.1334	\$0.1356	36	507,722	\$63,884.66	\$0.1258	36	416,639	\$53,651.15	\$0.1288
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	E3SO	3	85,680	\$10,379.87	\$0.1211	\$0.1254	3	109,440	\$13,095.45	\$0.1197	3	100,680	\$12,423.31	\$0.1234
Commercial (3 Ph-In - w/Demand, No Tariff)	EC3T	1	7,320	\$910.62	\$0.1244	\$0.1292	1	4,280	\$580.40	\$0.1356	1	1,400	\$195.31	\$0.1395
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	EC3S	1	128,640	\$14,875.32	\$0.1156	\$0.1202	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Commercial (3 Ph) w/Demand		257	2,297,875	\$295,085.78	\$0.1284	\$0.1325	252	2,418,568	\$310,712.33	\$0.1285	253	2,258,948	\$295,724.38	\$0.1309
Large Power (In - w/Dmd & Rct)	EL1	14	1,809,598	\$183,422.10	\$0.1014	\$0.1058	15	2,005,027	\$198,903.63	\$0.0992	15	1,748,187	\$184,229.31	\$0.1054
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	2	940,142	\$89,141.55	\$0.0948	\$0.1003	3	1,089,944	\$102,810.47	\$0.0943	3	1,006,691	\$101,740.34	\$0.1011
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	334,800	\$34,799.43	\$0.1039	\$0.1179	1	324,000	\$35,708.02	\$0.1102	1	355,200	\$39,268.32	\$0.1106
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	39,595	\$6,421.87	\$0.1622	\$0.1485	2	113,457	\$19,884.22	\$0.1753	2	126,563	\$19,833.72	\$0.1567
Total Large Power		19	3,124,125	\$313,784.95	\$0.1004	\$0.1064	21	3,532,428	\$357,306.34	\$0.1012	21	3,236,641	\$345,071.69	\$0.1066
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	746,891	\$70,113.69	\$0.0939	\$0.1008	1	814,630	\$75,719.92	\$0.0930	1	782,625	\$77,014.37	\$0.0984
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	822,393	\$78,038.39	\$0.0949	\$0.1010	1	831,049	\$78,113.33	\$0.0940	1	777,345	\$79,927.37	\$0.1028
Total Industrial		2	1,569,284	\$148,152.08	\$0.0944	\$0.1009	2	1,645,679	\$153,833.25	\$0.0935	2	1,559,970	\$156,941.74	\$0.1006
Interdepartmental (In - No Dmd)	ED1	9	22,244	\$3,038.68	\$0.1366	\$0.1333	10	23,899	\$3,069.72	\$0.1284	10	34,098	\$4,308.99	\$0.1264
Interdepartmental (Out - w/Dmd)	ED2O	2	595	\$101.09	\$0.1699	\$0.1727	2	477	\$86.23	\$0.1808	2	470	\$86.96	\$0.1850
Interdepartmental (In - w/Dmd)	ED2	27	24,974	\$3,555.99	\$0.1424	\$0.1425	27	45,949	\$6,309.76	\$0.1371	27	60,814	\$8,439.35	\$0.1388
Interdepartmental (3Ph-In - w/Dmd)	ED3	10	132,287	\$16,114.31	\$0.1218	\$0.1295	10	160,730	\$20,314.79	\$0.1264	10	151,425	\$19,242.97	\$0.1271
Interdepartmental (Street Lights)	EDSL	6	30,685	\$2,968.06	\$0.0967	\$0.0964	6	32,771	\$3,159.27	\$0.0954	6	32,671	\$3,128.40	\$0.0958
Interdepartmental (Traffic Signals)	EDTS	8	1,145	\$105.86	\$0.0925	\$0.0925	8	1,192	\$110.22	\$0.0925	8	1,203	\$111.24	\$0.0925
Generators (JV2 Power Cost Only)	GJV2	1	15,784	\$327.04	\$0.0207	\$0.0000	1	27,105	\$264.54	\$0.0098	1	30,054	\$1,887.69	\$0.0628
Generators (JV5 Power Cost Only)	GJV5	0	0	\$0.00	\$0.0000	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Interdepartmental		63	227,714	\$26,211.03	\$0.1151	\$0.1209	64	292,123	\$33,305.53	\$0.1140	64	310,735	\$37,205.60	\$0.1197
SUB-TOTAL CONSUMPTION & DEMAND		6,005	10,631,229	\$1,220,786.03	\$0.1148	\$0.1199	5,936	11,564,312	\$1,324,462.03	\$0.1145	5,923	11,888,956	\$1,416,579.66	\$0.1192
Street Lights (In)	SLO	13	0	\$13.75	\$0.0000	\$0.0000	14	0	\$13.43	\$0.0000	14	0	\$13.44	\$0.0000
Street Lights (Out)	SLOO	2	0	\$1.91	\$0.0000	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000
Total Street Light Only		15	0	\$15.66	\$0.0000	\$0.0000	16	0	\$15.34	\$0.0000	16	0	\$15.35	\$0.0000
TOTAL CONSUMPTION & DEMAND		6,020	10,631,229	\$1,220,801.69	\$0.1148	\$0.1199	5,952	11,564,312	\$1,324,477.37	\$0.1145	5,939	11,888,956	\$1,416,595.01	\$0.1192

BILLING SUMMARY AND

2020 - DECEMBER BILLING WITH OCT

Class and/or Schedule	Feb-20				Mar-20				Apr-20				May-20			
	# of Bills	Feb-20 (kWh Usage)	Feb-20 Billed	Cost / kWh For Month	# of Bills	Mar-20 (kWh Usage)	Mar-20 Billed	Cost / kWh For Month	# of Bills	Apr-20 (kWh Usage)	Apr-20 Billed	Cost / kWh For Month	# of Bills	May-20 (kWh Usage)	May-20 Billed	Cost / kWh For Month
Residential (Dom-In)	3,353	2,227,957	\$277,842.04	\$0.1247	3,357	2,194,203	\$273,619.51	\$0.1247	3,370	1,989,944	\$252,935.61	\$0.1271	3,379	1,957,424	\$255,584.56	\$0.1306
Residential (Dom-In) w/Ecosmart	6	2,826	\$362.90	\$0.1284	6	2,816	\$361.36	\$0.1283	6	2,587	\$338.58	\$0.1309	6	2,843	\$377.81	\$0.1329
Residential (Dom-In - All Electric)	628	670,954	\$81,369.44	\$0.1213	630	704,823	\$85,183.87	\$0.1209	631	619,040	\$76,175.24	\$0.1231	634	521,516	\$66,499.40	\$0.1275
Res. (Dom-In - All Elec.) w/Ecosmart	1	532	\$67.53	\$0.1269	1	551	\$69.65	\$0.1264	1	448	\$58.39	\$0.1303	1	464	\$61.79	\$0.1332
Total Residential (Domestic)	3,988	2,902,269	\$359,641.91	\$0.1239	3,994	2,902,393	\$359,234.39	\$0.1238	4,008	2,612,019	\$329,507.82	\$0.1262	4,020	2,482,247	\$322,523.56	\$0.1299
Residential (Rural-Out)	790	849,808	\$110,182.04	\$0.1297	788	826,839	\$107,272.00	\$0.1297	791	742,059	\$98,164.62	\$0.1323	793	758,108	\$102,630.03	\$0.1354
Residential (Rural-Out) w/Ecosmart	4	3,438	\$453.88	\$0.1320	4	3,100	\$412.73	\$0.1331	4	2,828	\$384.07	\$0.1358	4	2,635	\$369.16	\$0.1401
Residential (Rural-Out - All Electric)	362	508,585	\$64,818.71	\$0.1274	362	513,989	\$65,386.64	\$0.1272	362	446,437	\$57,912.35	\$0.1297	363	429,735	\$57,305.95	\$0.1334
Res. (Rural-Out - All Electric) w/Ecosmart	2	2,654	\$339.49	\$0.1279	2	2,764	\$352.31	\$0.1275	2	2,335	\$304.08	\$0.1302	2	2,299	\$307.21	\$0.1336
Residential (Rural-Out w/Dmd)	15	146,970	\$17,739.27	\$0.1207	15	25,307	\$3,187.36	\$0.1259	15	27,525	\$3,492.32	\$0.1269	15	27,829	\$3,619.72	\$0.1301
Residential (Rural-Out - All Electric w/Dm)	9	11,986	\$1,532.42	\$0.1279	9	9,809	\$1,269.02	\$0.1294	9	7,128	\$957.19	\$0.1343	9	5,975	\$836.42	\$0.1400
Total Residential (Rural)	1,182	1,523,441	\$195,065.81	\$0.1280	1,180	1,381,808	\$177,880.06	\$0.1287	1,183	1,228,312	\$161,214.63	\$0.1312	1,186	1,226,581	\$165,068.49	\$0.1346
Commercial (1 Ph-In - No Dmd)	74	35,871	\$5,678.93	\$0.1583	74	35,797	\$5,664.22	\$0.1582	74	35,365	\$5,656.59	\$0.1599	74	32,131	\$5,326.82	\$0.1658
Commercial (1 Ph-Out - No Dmd)	50	11,780	\$2,173.33	\$0.1845	50	11,970	\$2,196.80	\$0.1835	50	12,742	\$2,317.77	\$0.1819	50	11,004	\$2,119.67	\$0.1926
Total Commercial (1 Ph) No Dmd	124	47,651	\$7,852.26	\$0.1648	124	47,767	\$7,861.02	\$0.1646	124	48,107	\$7,974.36	\$0.1658	124	43,135	\$7,446.49	\$0.1726
Commercial (1 Ph-In - w/Demand)	257	302,449	\$47,334.25	\$0.1565	257	313,276	\$49,189.61	\$0.1570	257	299,425	\$48,508.19	\$0.1620	257	274,832	\$46,322.88	\$0.1685
Commercial (1 Ph-Out - w/Demand)	25	41,403	\$5,935.19	\$0.1434	25	43,547	\$6,095.83	\$0.1400	25	43,400	\$6,107.31	\$0.1407	25	42,962	\$6,270.11	\$0.1459
Total Commercial (1 Ph) w/Demand	282	343,852	\$53,269.44	\$0.1549	282	356,823	\$55,285.44	\$0.1549	282	342,825	\$54,615.50	\$0.1593	282	317,794	\$52,592.99	\$0.1655
Commercial (3 Ph-Out - No Dmd)	2	1,040	\$174.82	\$0.1681	2	400	\$89.33	\$0.2233	2	40	\$41.39	\$1.0348	2	760	\$140.89	\$0.1854
Total Commercial (3 Ph) No Dmd	2	1,040	\$174.82	\$0.1681	2	400	\$89.33	\$0.2233	2	40	\$41.39	\$1.0348	2	760	\$140.89	\$0.1854
Commercial (3 Ph-In - w/Demand)	212	1,688,719	\$222,678.01	\$0.1319	214	1,837,506	\$239,708.56	\$0.1305	212	1,635,535	\$217,693.09	\$0.1331	212	1,435,766	\$198,136.69	\$0.1380
Commercial (3 Ph-Out - w/Demand)	36	285,800	\$38,879.27	\$0.1380	36	286,076	\$38,698.15	\$0.1353	36	273,659	\$37,765.85	\$0.1380	36	251,993	\$35,672.91	\$0.1416
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	98,320	\$12,243.36	\$0.1245	3	99,880	\$12,474.53	\$0.1249	3	94,040	\$11,791.91	\$0.1254	3	79,200	\$10,324.59	\$0.1304
Commercial (3 Ph-In - w/Demand, No Tariff)	1	1,480	\$209.30	\$0.1414	1	1,400	\$193.28	\$0.1381	1	1,360	\$186.96	\$0.1375	1	1,320	\$187.89	\$0.1423
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	0	0	\$0.00	\$0.0000	1	102,720	\$11,249.52	\$0.1095	1	97,440	\$11,923.12	\$0.1224	1	79,680	\$10,114.70	\$0.1269
Total Commercial (3 Ph) w/Demand	252	2,074,319	\$274,009.94	\$0.1321	255	2,327,582	\$302,324.04	\$0.1299	253	2,102,034	\$279,350.93	\$0.1329	253	1,847,959	\$254,436.78	\$0.1377
Large Power (In - w/Dmd & Rct)	15	1,598,234	\$172,601.65	\$0.1080	13	1,721,351	\$179,206.40	\$0.1041	14	1,817,253	\$196,177.95	\$0.1080	14	1,798,307	\$197,248.46	\$0.1097
Large Power (In - w/Dmd & Rct, w/SbCr)	3	937,001	\$95,111.19	\$0.1015	2	935,415	\$89,858.29	\$0.0961	2	800,590	\$82,287.74	\$0.1028	2	900,800	\$91,681.73	\$0.1018
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	274,800	\$33,004.71	\$0.1201	1	379,200	\$40,656.81	\$0.1072	1	356,400	\$39,110.59	\$0.1097	1	122,400	\$24,160.88	\$0.1973
Large Power (In - w/Dmd & Rct, w/SbCr)	2	108,215	\$10,418.87	\$0.0963	2	74,380	\$10,314.37	\$0.1387	2	57,600	\$6,250.96	\$0.1085	2	85,309	\$11,457.31	\$0.1343
Total Large Power	21	2,918,250	\$311,136.42	\$0.1066	18	3,110,346	\$320,035.87	\$0.1029	19	3,031,843	\$323,827.24	\$0.1068	19	2,906,616	\$324,538.38	\$0.1117
Industrial (In - w/Dmd & Rct, w/SbCr)	1	648,953	\$67,477.05	\$0.1040	1	886,576	\$85,953.58	\$0.0970	1	805,455	\$80,592.47	\$0.1001	1	410,316	\$52,124.53	\$0.1270
Industrial (In - w/Dmd & Rct, No/SbCr)	1	748,763	\$77,149.51	\$0.1030	1	837,502	\$82,186.49	\$0.0981	1	739,129	\$77,982.87	\$0.1055	1	722,408	\$77,272.88	\$0.1070
Total Industrial	2	1,397,716	\$144,626.56	\$0.1035	2	1,724,078	\$168,140.07	\$0.0975	2	1,544,584	\$158,575.34	\$0.1027	2	1,132,724	\$129,397.41	\$0.1142
Interdepartmental (In - No Dmd)	12	36,405	\$4,558.19	\$0.1252	10	32,325	\$4,076.93	\$0.1261	10	32,250	\$4,167.98	\$0.1292	11	24,215	\$3,230.94	\$0.1334
Interdepartmental (Out - w/Dmd)	2	476	\$87.69	\$0.1842	2	466	\$86.28	\$0.1852	2	536	\$96.39	\$0.1798	2	718	\$123.24	\$0.1716
Interdepartmental (In - w/Dmd)	29	61,731	\$8,578.30	\$0.1390	27	68,568	\$9,453.34	\$0.1379	27	55,966	\$7,858.32	\$0.1404	27	45,285	\$6,571.66	\$0.1451
Interdepartmental (3Ph-In - w/Dmd)	10	158,974	\$20,332.08	\$0.1279	10	192,052	\$24,619.47	\$0.1282	10	223,743	\$28,648.01	\$0.1280	10	173,829	\$23,742.28	\$0.1366
Interdepartmental (Street Lights)	6	32,771	\$3,158.23	\$0.0964	6	32,771	\$3,147.92	\$0.0961	6	31,302	\$3,024.88	\$0.0966	6	31,302	\$3,019.83	\$0.0965
Interdepartmental (Traffic Signals)	8	1,243	\$114.93	\$0.0925	8	1,239	\$114.55	\$0.0925	8	1,146	\$105.96	\$0.0925	8	1,213	\$112.15	\$0.0925
Generators (JV2 Power Cost Only)	1	27,895	\$3,378.92	\$0.1211	1	26,760	-\$145.31	-\$0.0054	1	23,021	\$1.84	\$0.0001	1	19,727	\$354.89	\$0.0180
Generators (JV5 Power Cost Only)	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Interdepartmental	68	319,495	\$40,208.34	\$0.1258	64	354,181	\$41,353.18	\$0.1168	64	367,964	\$43,903.38	\$0.1193	65	296,289	\$37,154.99	\$0.1254
SUB-TOTAL CONSUMPTION & DEMAND	5,921	11,528,033	\$1,385,985.50	\$0.1202	5,921	12,205,378	\$1,432,203.40	\$0.1173	5,937	11,277,728	\$1,359,010.59	\$0.1205	5,953	10,254,105	\$1,293,299.98	\$0.1261
Street Lights (In)	14	0	\$13.43	\$0.0000	14	0	\$13.43	\$0.0000	14	0	\$13.43	\$0.0000	14	0	\$13.44	\$0.0000
Street Lights (Out)	2	0	\$1.92	\$0.0000	2	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.0000
Total Street Light Only	16	0	\$15.35	\$0.0000	16	0	\$15.35	\$0.0000	16	0	\$15.34	\$0.0000	16	0	\$15.36	\$0.0000
TOTAL CONSUMPTION & DEMAND	5,937	11,528,033	\$1,386,000.85	\$0.1202	5,937	12,205,378	\$1,432,218.75	\$0.1173	5,953	11,277,728	\$1,359,025.93	\$0.1205	5,969	10,254,105	\$1,293,315.34	\$0.1261

BILLING SUMMARY AN

2020 - DECEMBER BILLING WITH OCT

Class and/or Schedule	Jun-20			Cost / kWh For Month	Jul-20			Cost / kWh For Month	Aug-20			Cost / kWh For Month	Sep-20			Cost / kWh For Month
	# of Bills	(kWh Usage)	Billed		# of Bills	(kWh Usage)	Billed		# of Bills	(kWh Usage)	Billed		# of Bills	(kWh Usage)	Billed	
Residential (Dom-In)	3,387	1,718,095	\$236,497.31	\$0.1377	3,403	2,216,372	\$302,477.21	\$0.1365	3,386	3,258,742	\$432,898.23	\$0.1328	3,421	3,524,204	\$406,069.76	\$0.1152
Residential (Dom-In) w/Ecosmart	6	2,551	\$356.96	\$0.1399	6	3,602	\$494.40	\$0.1373	6	5,798	\$770.15	\$0.1328	6	6,059	\$698.95	\$0.1154
Residential (Dom-In - All Electric)	631	419,252	\$56,530.73	\$0.1348	634	416,258	\$56,777.48	\$0.1364	628	518,567	\$69,425.36	\$0.1339	634	541,055	\$62,995.88	\$0.1164
Res.(Dom-In - All Elec.) w/Ecosmart	1	467	\$64.75	\$0.1387	1	608	\$83.37	\$0.1371	1	890	\$118.70	\$0.1334	1	1,021	\$117.71	\$0.1153
Total Residential (Domestic)	4,025	2,140,365	\$293,449.75	\$0.1371	4,044	2,636,840	\$359,832.46	\$0.1365	4,021	3,783,997	\$503,212.44	\$0.1330	4,062	4,072,339	\$469,882.32	\$0.1154
Residential (Rural-Out)	795	639,402	\$91,409.71	\$0.1430	798	776,528	\$110,452.70	\$0.1422	795	923,910	\$129,265.74	\$0.1399	800	977,833	\$119,564.14	\$0.1223
Residential (Rural-Out) w/Ecosmart	4	2,259	\$334.82	\$0.1482	4	2,863	\$417.80	\$0.1459	4	3,326	\$476.76	\$0.1433	4	2,955	\$377.19	\$0.1276
Residential (Rural-Out - All Electric)	360	344,896	\$48,616.05	\$0.1410	362	386,460	\$54,617.68	\$0.1413	360	449,535	\$62,625.21	\$0.1393	362	476,233	\$57,955.96	\$0.1217
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,858	\$262.49	\$0.1413	2	1,351	\$198.28	\$0.1468	2	1,332	\$194.93	\$0.1463	2	1,408	\$180.86	\$0.1283
Residential (Rural-Out w/Dmd)	15	22,104	\$3,030.10	\$0.1371	15	16,062	\$2,267.73	\$0.1412	15	12,835	\$1,835.11	\$0.1430	15	15,076	\$1,868.86	\$0.1240
Residential (Rural-Out - All Electric w/Dm)	9	5,825	\$850.29	\$0.1460	9	6,449	\$941.01	\$0.1459	9	8,572	\$1,215.24	\$0.1418	9	9,520	\$1,175.85	\$0.1235
Total Residential (Rural)	1,185	1,016,344	\$144,503.46	\$0.1422	1,190	1,189,713	\$168,895.20	\$0.1420	1,185	1,399,510	\$195,612.99	\$0.1398	1,192	1,483,025	\$181,122.46	\$0.1221
Commercial (1 Ph-In - No Dmd)	74	27,839	\$4,890.75	\$0.1757	74	31,449	\$5,454.36	\$0.1734	73	32,850	\$5,623.93	\$0.1712	77	33,763	\$5,222.91	\$0.1547
Commercial (1 Ph-Out - No Dmd)	50	8,207	\$1,779.61	\$0.2168	50	9,283	\$1,947.36	\$0.2098	50	9,427	\$1,962.43	\$0.2082	50	12,377	\$2,175.04	\$0.1757
Total Commercial (1 Ph) No Dmd	124	36,046	\$6,670.36	\$0.1851	124	40,732	\$7,401.72	\$0.1817	123	42,277	\$7,586.36	\$0.1794	127	46,140	\$7,397.95	\$0.1603
Commercial (1 Ph-In - w/Demand)	257	225,868	\$40,012.79	\$0.1772	257	244,547	\$44,525.35	\$0.1821	257	322,769	\$54,251.68	\$0.1681	258	385,109	\$56,450.22	\$0.1466
Commercial (1 Ph-Out - w/Demand)	25	36,864	\$5,460.73	\$0.1481	25	35,962	\$5,584.25	\$0.1553	25	39,228	\$6,034.75	\$0.1538	25	52,828	\$6,871.49	\$0.1301
Total Commercial (1 Ph) w/Demand	282	262,732	\$45,473.52	\$0.1731	282	280,509	\$50,109.60	\$0.1786	282	361,997	\$60,286.43	\$0.1665	283	437,937	\$63,321.71	\$0.1446
Commercial (3 Ph-Out - No Dmd)	2	440	\$99.20	\$0.2255	2	40	\$41.81	\$1.0453	2	40	\$41.78	\$1.0445	2	280	\$71.62	\$0.2558
Total Commercial (3 Ph) No Dmd	2	440	\$99.20	\$0.2255	2	40	\$41.81	\$1.0453	2	40	\$41.78	\$1.0445	2	280	\$71.62	\$0.2558
Commercial (3 Ph-In - w/Demand)	212	1,303,373	\$188,819.23	\$0.1449	212	1,423,013	\$206,824.83	\$0.1453	215	1,733,713	\$248,615.83	\$0.1434	218	1,996,968	\$249,096.86	\$0.1247
Commercial (3 Ph-Out - w/Demand)	36	239,296	\$35,577.42	\$0.1487	37	222,511	\$34,531.79	\$0.1552	37	266,013	\$39,368.88	\$0.1480	37	306,495	\$39,340.93	\$0.1284
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	3	70,800	\$9,523.56	\$0.1345	3	78,320	\$10,798.50	\$0.1379	3	90,520	\$12,348.94	\$0.1364	3	98,280	\$11,621.24	\$0.1182
Commercial (3 Ph-In - w/Demand, No Ta	1	1,360	\$201.03	\$0.1479	1	1,240	\$186.67	\$0.1505	1	5,240	\$765.60	\$0.1461	1	8,600	\$1,032.99	\$0.1201
Commercial (3 Ph-In - w/Dmd.&Sub-St.C	1	61,920	\$8,530.62	\$0.1378	1	52,320	\$7,398.54	\$0.1414	1	79,200	\$10,794.62	\$0.1363	1	140,640	\$15,899.70	\$0.1131
Total Commercial (3 Ph) w/Demand	253	1,676,749	\$242,651.86	\$0.1447	254	1,777,404	\$259,740.33	\$0.1461	257	2,174,686	\$311,893.87	\$0.1434	260	2,550,983	\$316,991.72	\$0.1243
Large Power (In - w/Dmd & Rct)	14	1,806,232	\$205,727.67	\$0.1139	14	1,982,860	\$228,992.03	\$0.1155	14	2,102,303	\$243,382.27	\$0.1158	14	2,210,273	\$213,859.51	\$0.0968
Large Power (In - w/Dmd & Rct, w/SbCr)	2	723,913	\$82,076.62	\$0.1134	2	862,901	\$96,996.69	\$0.1124	2	937,839	\$103,396.10	\$0.1102	2	919,998	\$85,379.00	\$0.0928
Large Power (Out - w/Dmd & Rct, w/SbC	1	57,600	\$17,684.16	\$0.3070	1	217,200	\$31,649.69	\$0.1457	1	310,800	\$38,327.58	\$0.1233	1	374,400	\$37,841.86	\$0.1011
Large Power (In - w/Dmd & Rct, w/SbCr)	2	90,249	\$14,540.09	\$0.1611	2	88,916	\$17,002.80	\$0.1912	2	78,540	\$15,645.76	\$0.1992	2	79,920	\$10,209.57	\$0.1277
Total Large Power	19	2,677,994	\$320,028.54	\$0.1195	19	3,151,677	\$374,641.21	\$0.1189	19	3,429,482	\$400,751.71	\$0.1169	19	3,584,591	\$347,289.94	\$0.0969
Industrial (In - w/Dmd & Rct, w/SbCr)	1	353,747	\$49,943.89	\$0.1412	1	603,851	\$70,061.71	\$0.1160	1	760,327	\$82,056.80	\$0.1079	1	886,004	\$77,531.25	\$0.0875
Industrial (In - w/Dmd & Rct, No/SbCr)	1	792,094	\$85,333.12	\$0.1077	1	824,956	\$90,861.95	\$0.1101	1	829,168	\$93,963.88	\$0.1133	1	901,932	\$80,307.23	\$0.0890
Total Industrial	2	1,145,841	\$135,277.01	\$0.1181	2	1,428,807	\$160,923.66	\$0.1126	2	1,589,495	\$176,020.68	\$0.1107	2	1,787,936	\$157,838.48	\$0.0883
Interdepartmental (In - No Dmd)	9	21,057	\$2,955.08	\$0.1403	9	23,207	\$3,547.63	\$0.1529	9	27,453	\$4,149.95	\$0.1512	9	28,063	\$3,657.82	\$0.1303
Interdepartmental (Out - w/Dmd)	2	696	\$124.12	\$0.1783	2	865	\$149.62	\$0.1730	2	745	\$131.73	\$0.1768	2	809	\$127.06	\$0.1571
Interdepartmental (In - w/Dmd)	27	32,009	\$4,922.51	\$0.1538	27	22,445	\$3,583.04	\$0.1596	27	22,210	\$3,534.45	\$0.1591	27	23,230	\$3,281.89	\$0.1413
Interdepartmental (3Ph-In - w/Dmd)	11	133,450	\$16,466.29	\$0.1384	11	133,288	\$19,728.84	\$0.1480	11	147,613	\$20,396.81	\$0.1382	10	159,206	\$18,951.70	\$0.1190
Interdepartmental (Street Lights)	6	30,685	\$2,950.80	\$0.0962	6	30,685	\$2,967.81	\$0.0967	6	30,685	\$2,951.66	\$0.0962	6	30,685	\$2,971.73	\$0.0968
Interdepartmental (Traffic Signals)	8	1,164	\$107.64	\$0.0925	8	1,303	\$120.50	\$0.0925	8	1,122	\$103.77	\$0.0925	8	1,236	\$114.28	\$0.0925
Generators (JV2 Power Cost Only)	1	17,327	\$313.62	\$0.0181	1	14,760	\$277.64	\$0.0188	1	12,639	\$235.09	\$0.0186	1	13,422	\$294.48	\$0.0219
Generators (JV5 Power Cost Only)	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Interdepartmental	64	236,388	\$29,840.06	\$0.1262	64	226,553	\$30,375.08	\$0.1341	64	242,467	\$31,503.46	\$0.1299	63	256,651	\$29,398.96	\$0.1145
SUB-TOTAL CONSUMPTION & DEMAND	5,956	9,192,899	\$1,217,993.76	\$0.1325	5,981	10,732,275	\$1,411,961.07	\$0.1316	5,955	13,023,951	\$1,686,909.72	\$0.1295	6,010	14,219,882	\$1,573,315.16	\$0.1106
Street Lights (In)	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0.0000
Street Lights (Out)	2	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.0000
Total Street Light Only	15	0	\$15.21	\$0.0000	15	0	\$15.19	\$0.0000	15	0	\$15.19	\$0.0000	15	0	\$15.20	\$0.0000
TOTAL CONSUMPTION & DEMAND	5,971	9,192,899	\$1,218,008.97	\$0.1325	5,996	10,732,275	\$1,411,976.26	\$0.1316	5,970	13,023,951	\$1,686,924.91	\$0.1295	6,025	14,219,882	\$1,573,330.36	\$0.1106

BILLING SUMMARY AN												
2020 - DECEMBER BILLING WITH OCT												
Class and/or Schedule	# of Bills	Oct-20		Cost / kWh For Month	# of Bills	Nov-20		TOTAL KWH USAGE PRIOR 12 MO	TOTAL BILLING PRIOR 12 MO	Avg.Cost Per kWh For Period	Avg.Num. of Bills For Period	Avg.Per.% of Bills For Period
		(kWh Usage)	Billed			(kWh Usage)	Billed					
Residential (Dom-In)	3,416	2,867,682	\$324,906.59	\$0.1133	3,423	1,809,174	\$222,284.05	27,666,364	\$3,471,008.19	\$0.1255	3,383	56.6311%
Residential (Dom-In) w/Ecosmart	6	4,445	\$507.90	\$0.1143	6	2,635	\$329.85	41,375	\$5,266.08	\$0.1273	6	0.1004%
Residential (Dom-In - All Electric)	632	450,328	\$51,592.24	\$0.1146	632	332,784	\$40,901.99	6,266,967	\$777,720.34	\$0.1241	632	10.5796%
Res.(Dom-In - All Elec.) w/Ecosmart	1	804	\$91.36	\$0.1136	1	496	\$61.31	7,263	\$918.59	\$0.1265	1	0.0167%
Total Residential (Domestic)	4,055	3,323,259	\$377,098.09	\$0.1135	4,062	2,145,089	\$263,577.20	33,981,969	\$4,254,913.20	\$0.1252	4,022	67.3279%
Residential (Rural-Out)	803	848,699	\$102,110.19	\$0.1203	803	588,978	\$76,482.95	9,403,050	\$1,238,350.64	\$0.1317	795	13.3138%
Residential (Rural-Out) w/Ecosmart	4	2,848	\$355.72	\$0.1249	4	1,962	\$268.00	34,039	\$4,623.00	\$0.1358	4	0.0670%
Residential (Rural-Out - All Electric)	362	415,832	\$49,717.35	\$0.1196	360	299,458	\$38,404.31	5,136,776	\$667,616.51	\$0.1300	362	6.0612%
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,304	\$164.55	\$0.1262	2	1,150	\$153.63	23,316	\$3,075.91	\$0.1319	2	0.0335%
Residential (Rural-Out w/Dmd)	15	15,276	\$1,842.58	\$0.1206	15	14,001	\$1,776.57	448,404	\$55,926.65	\$0.1247	15	0.2511%
Residential (Rural-Out - All Electric w/Dm)	9	8,010	\$977.65	\$0.1221	9	7,516	\$963.27	102,117	\$13,442.63	\$0.1316	9	0.1507%
Total Residential (Rural)	1,195	1,291,969	\$155,168.04	\$0.1201	1,193	913,065	\$118,048.73	15,147,702	\$1,983,035.34	\$0.1309	1,187	19.8772%
Commercial (1 Ph-In - No Dmd)	78	31,256	\$4,814.80	\$0.1540	76	29,585	\$4,741.88	388,868	\$63,147.36	\$0.1624	75	1.2471%
Commercial (1 Ph-Out - No Dmd)	50	10,640	\$1,919.81	\$0.1804	50	8,609	\$1,714.10	128,941	\$24,557.12	\$0.1905	50	0.8398%
Total Commercial (1 Ph) No Dmd	128	41,896	\$6,734.61	\$0.1607	126	38,194	\$6,455.98	517,809	\$87,704.48	\$0.1694	125	2.0869%
Commercial (1 Ph-In - w/Demand)	254	342,503	\$49,963.56	\$0.1459	256	275,143	\$43,830.30	3,538,593	\$567,399.75	\$0.1603	257	4.3022%
Commercial (1 Ph-Out - w/Demand)	25	47,779	\$6,155.38	\$0.1288	25	40,700	\$5,598.80	504,707	\$71,637.14	\$0.1419	25	0.4157%
Total Commercial (1 Ph) w/Demand	279	390,282	\$56,118.94	\$0.1438	281	315,843	\$49,429.10	4,043,300	\$639,036.89	\$0.1580	282	4.7179%
Commercial (3 Ph-Out - No Dmd)	2	80	\$45.91	\$0.5739	2	40	\$41.18	7,680	\$1,462.44	\$0.1904	2	0.0335%
Total Commercial (3 Ph) No Dmd	2	80	\$45.91	\$0.5739	2	40	\$41.18	7,680	\$1,462.44	\$0.1904	2	0.0335%
Commercial (3 Ph-In - w/Demand)	216	2,054,894	\$249,697.97	\$0.1215	215	1,758,026	\$226,457.38	20,404,868	\$2,710,334.88	\$0.1328	214	3.5754%
Commercial (3 Ph-Out - w/Demand)	37	281,895	\$35,831.64	\$0.1271	37	318,209	\$42,462.59	3,656,308	\$495,655.24	\$0.1356	36	0.6096%
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	97,080	\$11,231.04	\$0.1157	3	85,680	\$10,379.87	1,102,240	\$138,256.30	\$0.1254	3	0.0502%
Commercial (3 Ph-In - w/Demand, No Tax)	1	9,200	\$1,062.47	\$0.1155	1	7,320	\$910.62	44,200	\$5,712.52	\$0.1292	1	0.0167%
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	1	145,440	\$15,982.65	\$0.1099	1	128,640	\$14,875.32	888,000	\$106,768.79	\$0.1202	1	0.0126%
Total Commercial (3 Ph) w/Demand	258	2,588,509	\$313,805.77	\$0.1212	257	2,297,875	\$295,085.78	26,095,616	\$3,456,727.73	\$0.1325	255	4.2645%
Large Power (In - w/Dmd & Rct)	14	2,115,324	\$198,839.87	\$0.0940	14	1,809,598	\$183,422.10	22,714,749	\$2,402,590.85	\$0.1058	14	0.2371%
Large Power (In - w/Dmd & Rct, w/SbCr)	2	975,403	\$86,267.24	\$0.0884	2	940,142	\$89,141.55	11,030,437	\$1,106,746.96	\$0.1063	2	0.0377%
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	339,600	\$34,293.68	\$0.1010	1	334,800	\$34,799.43	3,446,400	\$406,495.73	\$0.1179	1	0.0167%
Large Power (In - w/Dmd & Rct, w/SbCr)	2	80,325	\$9,895.57	\$0.1232	2	39,585	\$6,421.87	1,023,059	\$151,875.11	\$0.1485	2	0.0335%
Total Large Power	19	3,510,652	\$329,296.36	\$0.0938	19	3,124,125	\$313,784.95	38,214,645	\$4,067,708.65	\$0.1064	19	0.3250%
Industrial (In - w/Dmd & Rct, w/SbCr)	1	837,652	\$71,748.24	\$0.0857	1	746,891	\$70,113.69	8,537,027	\$860,337.50	\$0.1008	1	0.0167%
Industrial (In - w/Dmd & Rct, No/SbCr)	1	850,025	\$76,598.34	\$0.0901	1	822,393	\$78,038.39	9,676,764	\$977,735.36	\$0.1010	1	0.0167%
Total Industrial	2	1,687,677	\$148,346.58	\$0.0879	2	1,569,284	\$148,152.08	18,213,791	\$1,838,072.86	\$0.1009	2	0.0335%
Interdepartmental (In - No Dmd)	9	25,612	\$3,321.94	\$0.1297	9	22,244	\$3,038.68	330,828	\$44,083.85	\$0.1333	10	0.1632%
Interdepartmental (Out - w/Dmd)	2	846	\$129.01	\$0.1525	2	595	\$101.09	7,699	\$1,329.42	\$0.1727	2	0.0335%
Interdepartmental (In - w/Dmd)	27	22,139	\$3,071.39	\$0.1387	27	24,974	\$3,555.99	485,320	\$69,151.00	\$0.1425	27	0.4548%
Interdepartmental (3Ph-In - w/Dmd)	10	154,725	\$18,184.01	\$0.1175	10	132,287	\$16,114.31	1,921,322	\$248,741.56	\$0.1295	10	0.1716%
Interdepartmental (Street Lights)	6	30,685	\$2,949.11	\$0.0961	6	30,685	\$2,968.06	377,698	\$36,397.70	\$0.10964	6	0.1004%
Interdepartmental (Traffic Signals)	8	1,277	\$118.08	\$0.0925	8	1,145	\$105.86	14,483	\$1,339.18	\$0.0925	8	0.1339%
Generators (JV2 Power Cost Only)	1	13,818	\$233.52	\$0.0169	1	15,784	\$327.04	242,312	\$7,423.96	\$0.0306	1	0.0167%
Generators (JV5 Power Cost Only)	0	0	\$0.00	\$0.0000	0	0	\$0.00	0	\$0.00	\$0.0000	0	0.0000%
Total Interdepartmental	63	249,102	\$28,007.06	\$0.1124	63	227,714	\$26,211.03	3,379,662	\$408,466.67	\$0.1209	64	1.0741%
SUB-TOTAL CONSUMPTION & DEMAND	6,001	13,083,426	\$1,414,621.36	\$0.1081	6,005	10,631,229	\$1,220,786.03	139,602,174	\$16,737,128.26	\$0.1199	5,958	99.7405%
Street Lights (In)	13	0	\$13.75	\$0.0000	13	0	\$13.75	0	\$161.23	\$0.0000	14	0.2260%
Street Lights (Out)	2	0	\$1.91	\$0.0000	2	0	\$1.91	0	\$22.97	\$0.0000	2	0.0335%
Total Street Light Only	15	0	\$15.66	\$0.0000	15	0	\$15.66	0	\$184.20	\$0.0000	16	0.2599%
TOTAL CONSUMPTION & DEMAND	6,016	13,083,426	\$1,414,637.02	\$0.1081	6,020	10,631,229	\$1,220,801.69	139,602,174	\$16,737,312.46	\$0.1199	5,974	100.0000%

Napoleon Power & Light

NOVEMBER 2020 DEPARTMENT SUMMARY



Standby Callouts:

There were twenty callouts for the month. Eleven callouts resulted in an outage.

Lineman Crew:

Crew focused on the following projects this month: Replace secondary poles on Shelby Street and 850 Hobson Street; Transformer setting for lights on north side of new bridge; Shut offs; Shop maintenance; Prep work for URD service at Catholic church rectory; Secondary pole relocate on Shelby Street; Pole replacement on County Road P-1; Service upgrade to Trigen Industrial Services at 232 W Front Street; Remove poles from Napoleon Vision Center property for new construction building; Storm damage repair; Napoleon Alive light project; Clear damaged tree from primary line at 1125 W Riverview; Install cutouts on Northcrest; Downtown Christmas decorations; Primary URD replacement at Kenilworth and Briarheath; Repair secondary services in access alley to Eddie J's.

Line Clearance Crew:

Crew managed and maintained clearance space at five locations throughout the service area. They also assisted the lineman crew with three various projects this month.

Storeroom/Inventory Purchasing/Meter Reading:

Shawn read meters, managed inventory and assisted the lineman crew as needed.

Substation Crew:

Crew completed weekly and monthly checks at all 4 substations.

System Load/Daily Generation Output/Power Portfolio:

Peak load for the month was 20.53 MW occurring on 11/30/20 at 7:30 PM. This was a decrease of 1.46 MW compared to prior year. Average Load for the month was 15.82 MW. This was a decrease of 1.17 MW compared to prior year. JV2 ran 1 day and produced 1.53 MWh.

Napoleon Power & Light

NOVEMBER 2020 STANDBY CALL-OUTS SUMMARY



November 1, 2020:

Electric personnel were dispatched at 12:25 PM to 233 W Barnes Avenue. An outage caused by trees lasted one hour and affected one customer. Personnel repaired service that branch took out.

November 1, 2020:

Electric personnel were dispatched at 2:36 PM to S Perry Street and Brownell Avenue. The callout resulted in a non-outage. Personnel determined a phone line was down.

November 1, 2020:

Electric personnel were dispatched at 11:55 AM to 831 Welsted Street. The callout resulted in a non-outage. Personnel replaced a three phase pole.

November 1, 2020:

Electric personnel were dispatched at 2:42 PM to T-984 County Road 10. An outage caused by wind lasted two hours and affected one customer. Personnel replaced pole and service.

November 4, 2020:

Electric personnel were dispatched at 6:12 AM to Westchester, Kenilworth and Chelsea Avenues. An outage caused by an elbow popping off bushing lasted one hour fifteen minutes and affected forty-seven customers. Personnel reset elbow and refused cutout on Bales Road.

November 4, 2020:

One employee was dispatched at 3:40 PM to 529 W Maumee Avenue. The callout resulted in a non-outage. Personnel reconnected power due to non-payment.

November 5, 2020:

One employee was dispatched at 3:45 PM to Cedarbrook Avenue. The callout resulted in a non-outage. Personnel reconnected power due to non-payments.

November 11, 2020:

Electric personnel were dispatched at 5:35 AM to 857 Hobson Street. An outage caused by trees lasted one and a half hours and affected one customer. Personnel cleared tree off service and reconnected neutral.

Napoleon Power & Light

NOVEMBER 2020 STANDBY CALL-OUTS SUMMARY



November 15, 2020:

Electric personnel were dispatched at 11:15 AM to 230 Northcrest Drive. An outage caused by a hendrix cable breaking midspan lasted two hours and affected one customer. Personnel spliced hendrix cable.

November 15, 2020:

Electric personnel were dispatched at 12:00 PM to 674 W Riverview Avenue. The callout resulted in a non-outage. Personnel topped evergreen tree blowing over.

November 15, 2020:

Electric personnel were dispatched at 1:15 PM to 865 Kenilworth Avenue. An outage caused by high winds lasted one hour and affected one customer. Personnel replaced service.

November 15, 2020:

Electric personnel were dispatched at 3:30 PM to Briarcliff Drive. An outage caused by high winds lasted one hour and affected one customer. Personnel replaced damaged service.

November 15, 2020:

Electric personnel were dispatched at 3:45 PM to Coon Hollow Drive. An outage caused by high winds lasted three and a half hours and affected four customers. Personnel respliced primary and secondary, temporary fix on pole.

November 15, 2020:

Electric personnel were dispatched at 4:42 PM to 13-934 County Road 12. An outage caused by high winds lasted one hour and affected three customers. Personnel reattached stinger to

November 16, 2020:

Electric personnel were dispatched at 5:34 PM to Coon Hollow Drive. An outage caused by a storm lasted one hour and affected one customer. Personnel repaired service drop to house.

November 16, 2020:

One employee was dispatched at 6:00 PM to County Road 17. The callout resulted in a non-outage. Personnel located a line for an emergency OUPS ticket.

Napoleon Power & Light

NOVEMBER 2020 STANDBY CALL-OUTS SUMMARY



November 18, 2020:

Electric personnel were dispatched at 8:30 PM to County Road 10 and County Road W. The callout resulted in a non-outage. Personnel temporarily secured a broken pole.

November 25, 2020:

Electric personnel were dispatched at 7:18 PM to N-561 County Road 15C. An outage caused by a cracked cutout lasted two hours and affected two customers.

November 26, 2020:

Electric personnel were dispatched at 4:39 AM to 536 Raymond Street. The callout resulted in a non-outage. Personnel identified customer's breakers were tripped.

November 28, 2020:

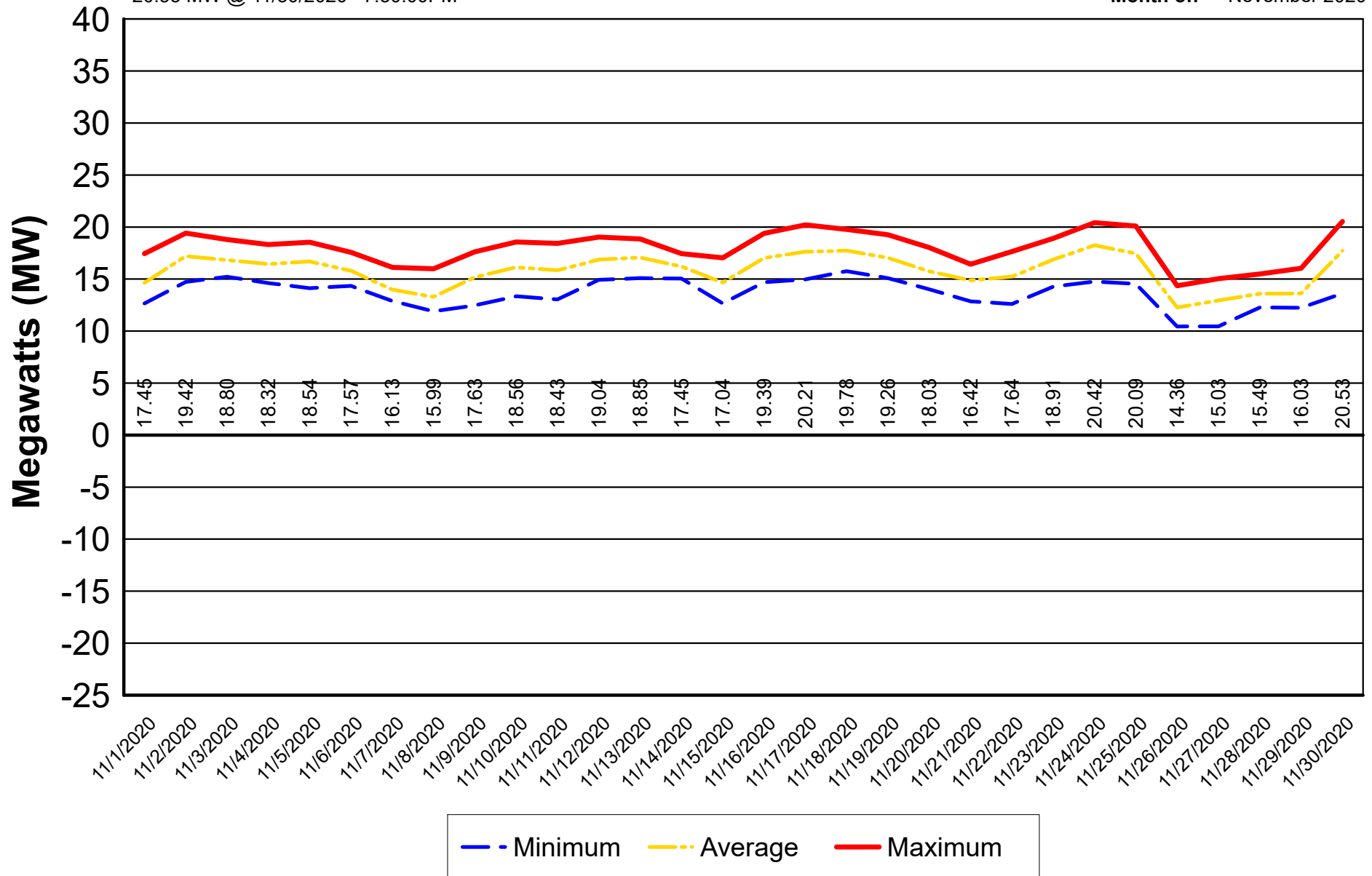
Electric personnel were dispatched at 2:10 PM to 619 N Perry Street. The callout resulted in a non-outage. Personnel temporarily repaired brace and wire falling off the building.

Napoleon Power & Light

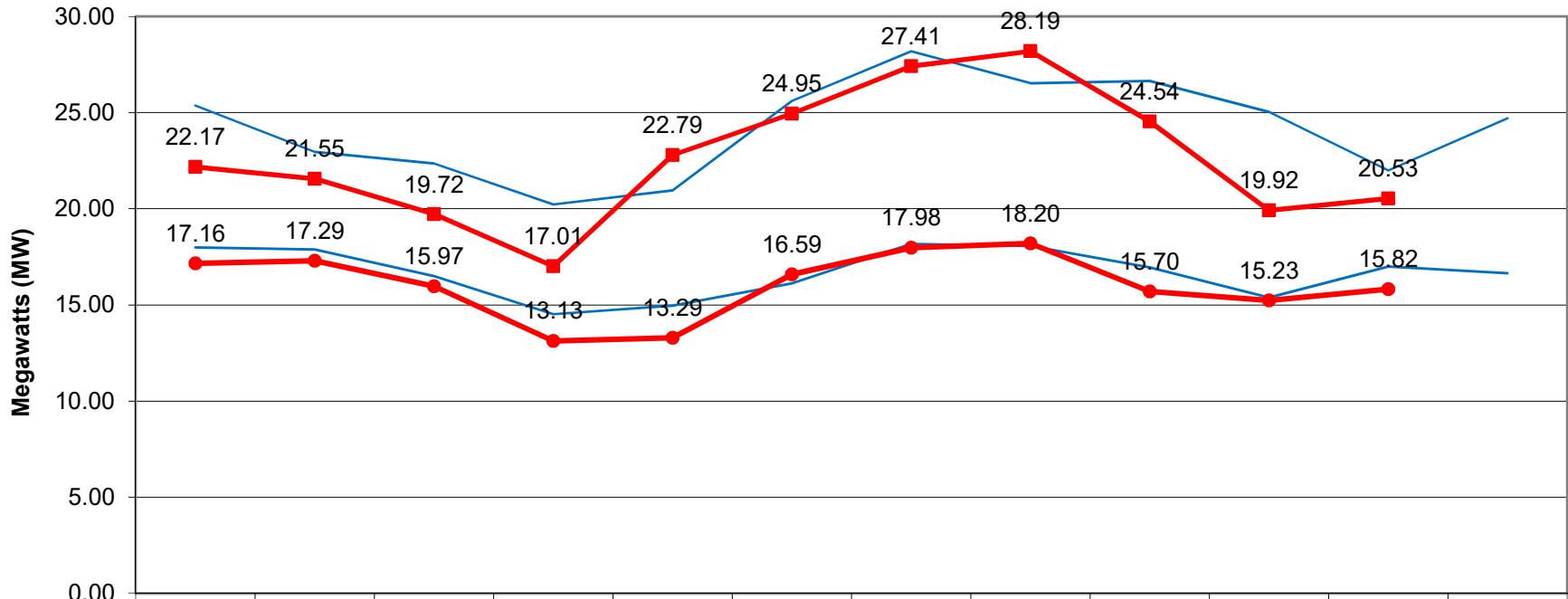
System Load

Peak Load:
20.53 MW @ 11/30/2020 7:30:00PM

Month of: November 2020



NAPOLEON POWER & LIGHT

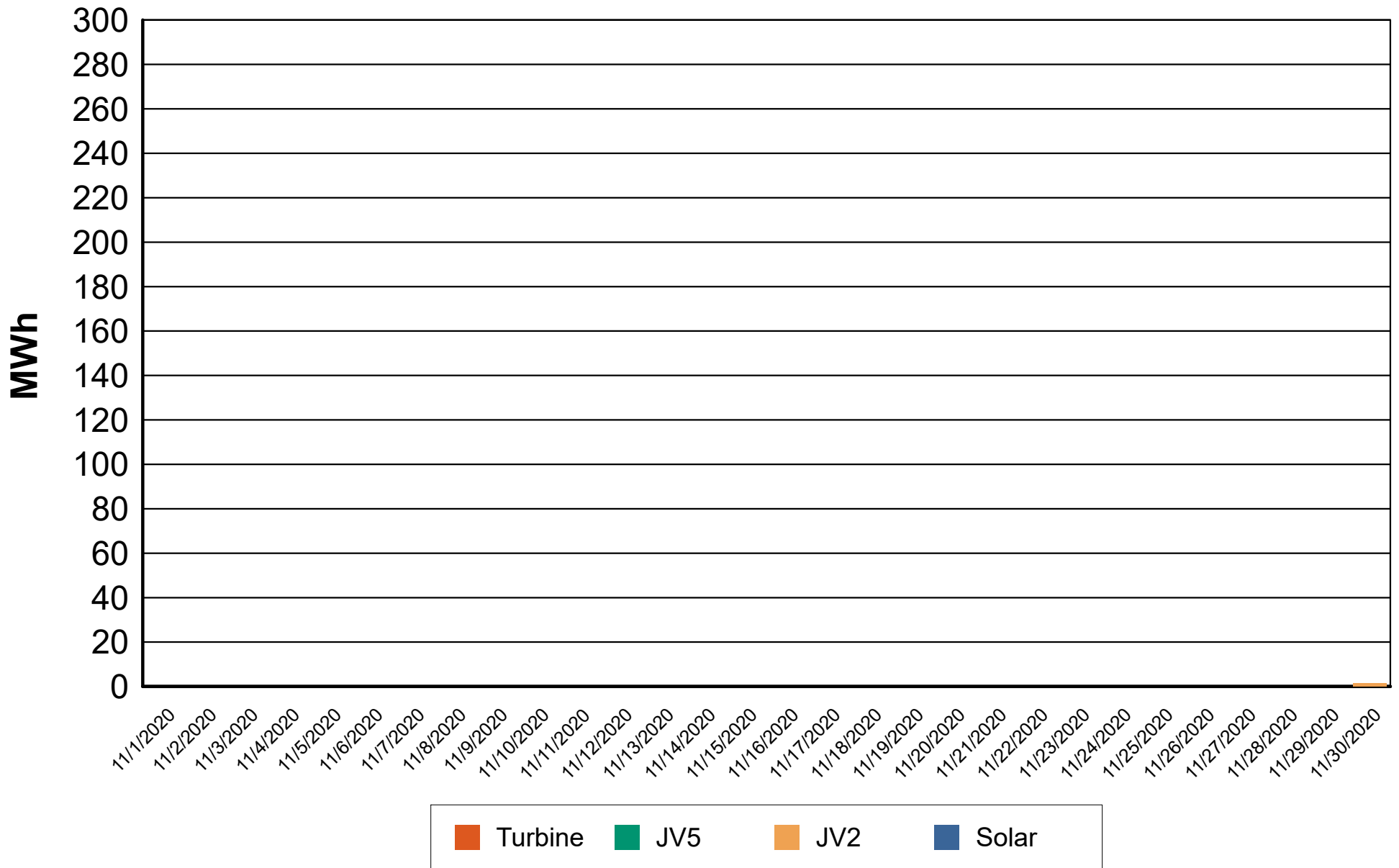


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1/1/2020	2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020	7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020	12/1/2020
— 2019 MAX	25.36	22.95	22.36	20.22	20.96	25.60	28.19	26.53	26.64	25.04	21.99	24.70
— 2019 AVG	17.99	17.88	16.50	14.52	14.97	16.12	18.17	18.07	16.95	15.38	16.99	16.65
—■ 2020 MAX	22.17	21.55	19.72	17.01	22.79	24.95	27.41	28.19	24.54	19.92	20.53	
—● 2020 AVG	17.16	17.29	15.97	13.13	13.29	16.59	17.98	18.20	15.70	15.23	15.82	

— 2019 MAX — 2019 AVG —■ 2020 MAX —● 2020 AVG

Napoleon Power & Light

Daily Generation Output

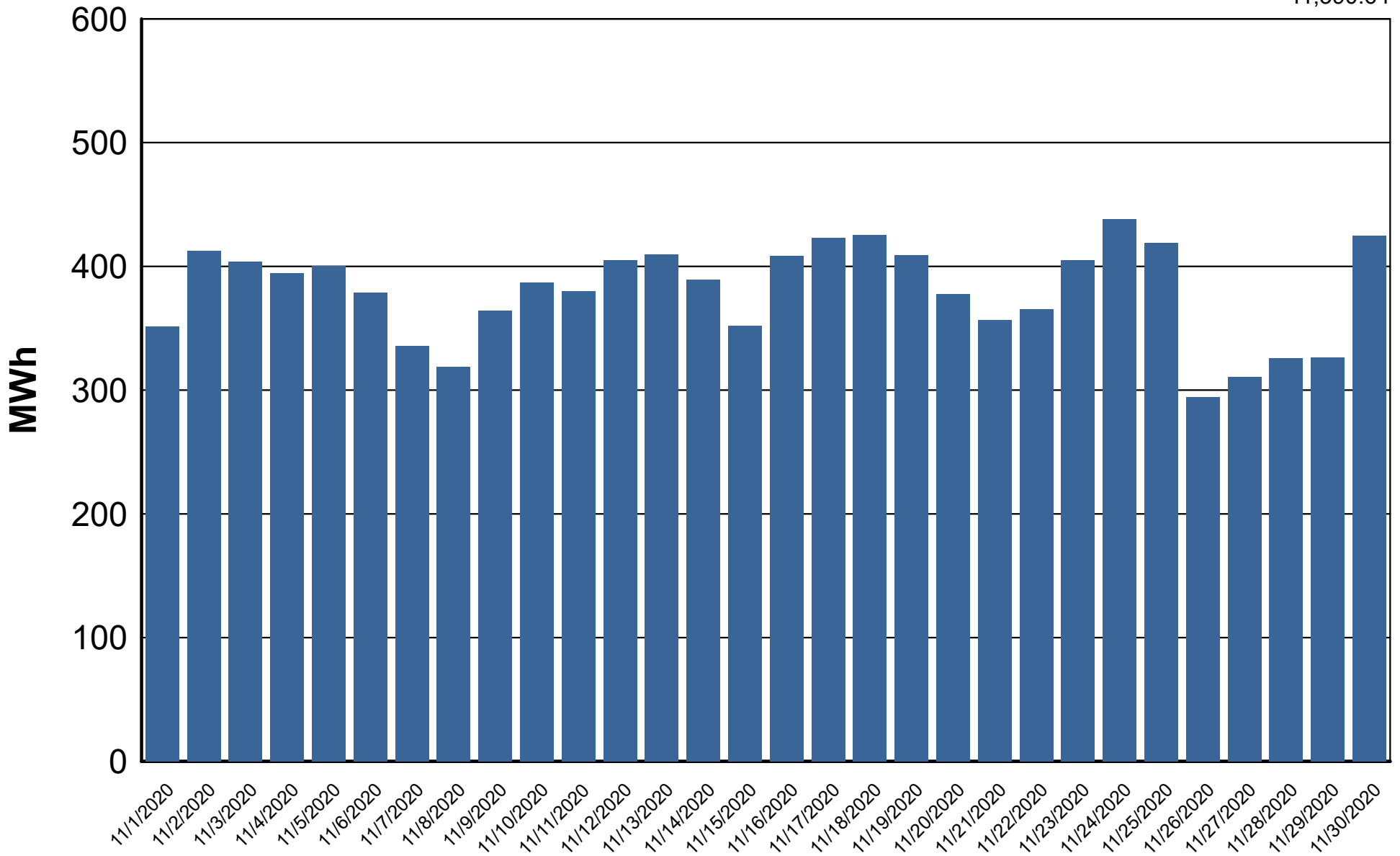


Napoleon Power & Light

Daily Purchased Power

November 2020

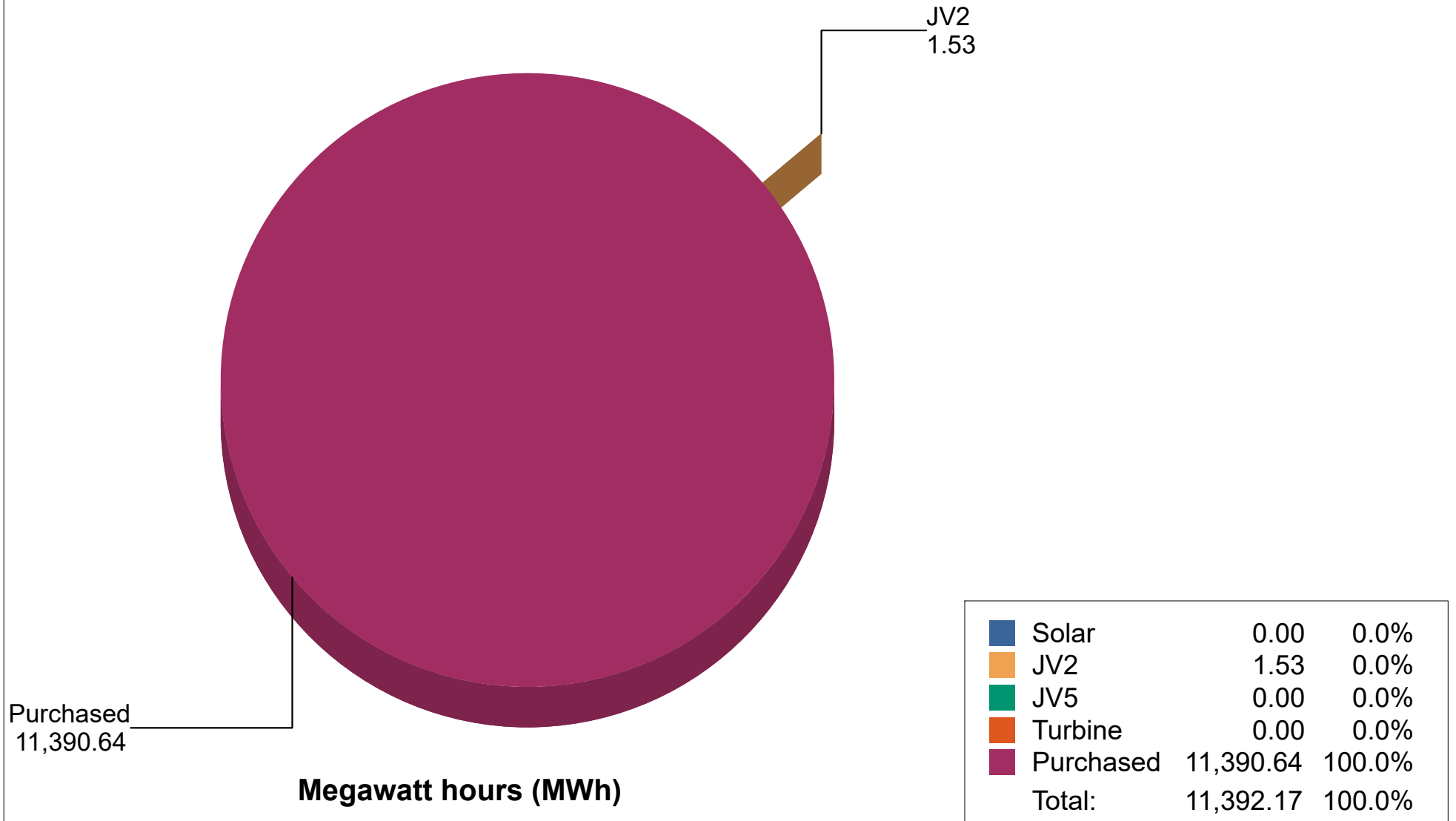
11,390.64



Napoleon Power & Light

Power Portfolio

November 2020





City of Napoleon, Ohio

255 West Riverview Avenue, P.O. Box 151

Napoleon, OH 43545

Telephone: (419) 592-4010 Fax: (419) 599-8393

www.napoleonohio.com

Memorandum

To: City Council, Mayor, City Manager, City Law
Director, Finance Director, Department
Supervisors, News media
From: Roxanne Dietrich, Clerk of Council
Date: December 11, 2020
Subject: Electric Committee – Cancellation

The regularly scheduled meeting of the *Electric Committee* for Monday, December 14, 2020 at 6:15 pm has been CANCELED at the direction of the Committee Chair.



City of Napoleon, Ohio

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Memorandum

To: City Council, Mayor, City Manager, City Law Director, Finance Director, Department Supervisors, News media
From: Roxanne Dietrich, Clerk of Council
Date: December 11, 2020
Subject: Municipal Properties, Building, Land Use and Economic Development Committee – Cancellation

The regularly scheduled meeting of the ***Municipal Properties, Building, Land Use and Economic Development Committee*** for Monday, December 14, 2020 at 7:30 pm has been CANCELED due to a lack of agenda items.