



# Fiscal Year 2021-2022

# Annual Report

for the





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## *Executive Summary*

Constellation NewEnergy, Inc. separated from their parent company, Exelon, February 2, 2022. This change did not affect the operation of Metro Nashville District Energy System (DES); however, it did change the branding and organizational levels. Nashville employees are now part of Distributed Energy Asset Operations, LLC, a subsidiary of Constellation Energy Solutions, LLC (CES). Constellation Energy Solutions, LLC is a subsidiary of Constellation NewEnergy, Inc. On behalf of Constellation, I am pleased to present the nineteenth “*Annual Report*” to the Metropolitan Government of Nashville and Davidson County, Tennessee (Metro).

The DES is made up of two basic parts, the Energy Generation Facility (EGF) and the Energy Distribution System (EDS). This report summarizes activities related to the performance of the DES for the period July 1, 2021, through June 30, 2022.

CES’s experienced work force continues to operate and maintain the DES in a manner that produces outstanding results. Both steam and chilled water availability and reliability were greater than 99%. The safety record was 100%, as there were no accidents in the past 12 months. CES’s environmental record remains intact with zero excursions, violations or fines. All data, records, reporting requirements and submittals are kept up to date and in order.

The COVID-19 pandemic continues to affect the way we do business. Several employees contracted the virus and had to be quarantined. This resulted in additional cleaning and disinfecting of the facility. Corporate mask mandates continually change based on the CDC transmission rate for Davidson County. Most meetings are held virtually or by conference call rather than in person and supply chain issues make lead times much longer for needed materials and supplies. For the past two years, community service activities have been modified or curtailed. These are beginning to open back up. Plant personnel participated in several fund-raising activities and the annual Constellation Golf Outing resumed.

A twelve-point plan was developed to improve plant efficiency and help achieve the performance guarantees. Implementation of this plan is expected to be executed in the upcoming fiscal year.

CES remains committed to providing the best service possible to DES customers. I would like to thank the Metro and CES personnel for their continued dedication toward achieving these objectives.

Sincerely,

John Schaffer  
Vice President, Distributed Energy Asset Operations  
Constellation Energy Solutions, LLC



## ***Monthly Operations Report Summary***

Constellation Energy Solutions, LLC (CES) submits a written report to the Metro Nashville District Energy System (DES) team on or about the 10<sup>th</sup> day of each month to convey the operational activities of the prior month. These reports are broken up in to four major sections. The first item included in each report is the Summary. This section gives an overview of the entire report, addresses news, events, and other business activities. The next section is Operations, which includes plant reliability and efficiency data, environmental, health & safety, accidents, personnel, and employee training. The third section of the report lists and discusses all Maintenance activities in and around the Energy Generation Facility (EGF). Items covered in this section include the building and grounds, warranty issues, preventive and predictive maintenance and construction projects. The final section of these reports is about the Energy Distribution System (EDS). Items discussed in this section are customers, sales and marketing, system maintenance and repairs, and distribution system projects.

### **Operations Summary**

The EGF continued to furnish reliable steam and chilled water service to the DES customers over the past twelve months. There were zero scheduled total system chilled water or steam outages this year.

Some DES customers requested service interruptions so they could make repairs in their respective buildings and some sections of the EDS were isolated to make steam and chilled water repairs. Apart from these, there have been no significant service interruptions.

The plant is staffed with an outstanding work force. There were zero reportable and zero lost time accidents for the year. Training classes were conducted online due to COVID-19 protocols as regular in person meetings were cancelled. Employees also received training related to plant systems, equipment and corporate programs and requirements. For the eighteenth consecutive year, there were no environmental excursions or violations.

Maintenance activities were performed as scheduled in the EGF and in the EDS. A great deal of planning and coordination go into the project work both in the plant and in the distribution system. Communications with the DES customers are performed on a routine basis. Any issues they may have are dealt with courteously and expeditiously.

### **News, Events & Other Business**

Routine business activities such as the Monthly Operations Meeting and Natural Gas Purchasing conference calls were conducted as scheduled each month. Other news and events include the following:

- The MNDES Advisory Board Meetings were held in person and via WebEx the third Thursday of August 2021, November 2021, February 2022 and May 2022. Constellation was added as a presenter beginning with the February Board meeting.
- Water Treatment Quarterly Review was held with chemical vendor July 22, 2021.
- CNE issued a draft copy of the FY21 Annual Report to Metro on July 30, 2021.



- Assisted Music City Grand Prix personnel with set up of TV camera tower at NE corner of EGF property August 4, 2021.
- Reviewed FY21 Annual Report with Metro August 18, 2021.
- CES is investigating ways to improve plant performance and efficiency. Siemens performed a “Demand Flow” audit and CES has installed a “SkySpark” analytic system
- A conference call was held in September with Metro to discuss the Guthrie Street project and its impact on the EGF property.
- CES received a subpoena from Design Blasting’s attorney. Employees were questioned September 29, 2021, via conference call, regarding the Broadway Tunnel lawsuit.
- SWPPP quarterly review was conducted October 8, 2021.
- A CES Corporate Environmental and Safety Audit was conducted October 13-15, 2021.
- Managers participated in the Love Live Nashville Charity fund raiser October 18, 2021.
- Employees participated in the “Making Strides Against Breast Cancer” walk October 23, 2021.
- Quarterly review was conducted with water treatment vendor November 5, 2021.
- Employees participated in the “Walk to End Alzheimer’s” November 6, 2021.
- Natural gas was pre-purchased and new triggers were set for future purchases December 6, 2021.
- Metro Water Services conducted a storm water inspection December 13, 2021.
- CES interviewed four candidates for open electrician position in December.
- Epperson Landscaping planted four new trees on west side of EGF in December.
- Exelon had a cleaning crew sanitize plant January 21, 2022.
- A CO monitor was installed in boiler room
- A plant efficiency meeting held with Metro January 28, 2022, via Microsoft Teams
- Constellation and Exelon split in to two separate companies February 2, 2022. The Metro Nashville District Energy System (DES) is still operated by the same people who are now under the Distributed Energy Asset Operations group of Constellation Energy Solutions, LLC (CES).
- Monthly CES/DES operations meeting and Monthly Report review was held, via conference call February 16, 2022.
- Monthly Natural Gas conference call was held February 24, 2022.
- Quarterly review was held with water treatment vendor February 25, 2022.
- CES and TEG representatives met with an engineer from the State of Tennessee to review structural and safety concerns described in the State Steam Tunnel Monthly Report.
- The DES Customer Meeting was held March 3, 2022, via WebEx. Due to the pandemic, this was the first customer meeting held since May 23, 2019.
- The Monthly CES/DES operations meeting and Monthly Report review was held, via conference call March 16, 2022
- The Monthly Natural Gas conference call was held March 17, 2022.
- Several conference calls were held during month of April related to Natural Gas. A purchase was made on April 14, 2022.
- The Monthly CES/DES Operations Meeting and Monthly Report review was held, via conference call, April 16, 2022.



- CES Managers attended the TN 811 Annual Meeting in April.
- A quarterly review of the water treatment system was held with the EGF's chemical vendor On April 28, 2022.
- The Monthly CES/DES Operations Meeting and Monthly Report review was held, via conference call, May 18, 2022.
- John Schaffer announced Tim Hestle's (Plant General Manager) retirement May 18, 2022. His last day was June 30, 2022.
- The MNDES Advisory Board Meeting was held, both virtual and in person, May 19, 2022.
- The Constellation NDE Annual Golf Tournament was held at Indian Hills Golf Club, in Murfreesboro, TN, May 20, 2022.
- CES personnel attended a "Love Helps" fund raiser May 25, 2022.
- The Monthly CES/DES Operations Meeting and Monthly Report review was held, via conference call, June 15, 2022.



## *Plant Performance*

### **Facility Operations**

#### *Plant Reliability*

The EGF continued to provide reliable service to the DES customers. With the exception of uncontrollable circumstances, the guarantees are to maintain 150 psig of export steam pressure leaving the EGF and deliver 43.3-degree F chilled water to each customer. The following items describe minor incidents, short in duration, when the EGF experienced an excursion outside parameters of the performance guarantees.

- On July 12, 2021, the chilled water temperature was above 43.3°F for 132 minutes due to an incorrect reading on the chilled water pump suction temperature transmitter. The highest temperature reached during this timeframe was 45.2°F.
- On July 25, 2021, an issue with the #1 Deaerator level controller caused the #3 Boiler to trip offline on low water level. CNE's I & E personnel made repairs and the Boiler was restarted. The system was below 150 psi for approximately 120 minutes with a low pressure of 66 psi.
- On October 4, 2021, #4 Boiler tripped and was immediately re-started. The pressure dropped to a low of 126 psi and was below 150 psi for approximately 45 minutes. The cause of the trip was un-determined.
- On October 9, 2021, #4 Boiler tripped while placing another boiler in service which caused the water level to fluctuate. The boiler tripped on low water level and was immediately re-started. The pressure dropped to a low of 113 psi and was below 150 psi for approximately 75 minutes.
- On October 16, 2021, while placing an additional boiler in service #4 Boiler tripped due to low feedwater pressure. The cause was found to be cavitation in #1 BFWP. The pump was isolated and an additional pump was placed in service and both boilers were put in service. The pressure dropped to a low of 94 psi for approximately 60 minutes.
- On November 11, 2021, the safety valve on #3 Boiler lifted at 158 psi. The safety is set to lift at 185 psi. The pressure dropped to a low of 130 psi and was below 150 psi for approximately 30 minutes.. CNE contacted a safety relief valve contractor. They tested and reset this safety valve on November 22, 2021.
- On November 18, 2021, the system pressure dropped below 150 psi for approximately 30 minutes. The low was 140 psi. This was caused by NES.
- On November 18, 2021, the system pressure was lowered to perform a tune up on #3 Boiler. The pressure was below 150 psi for approximately 75 minute with a low pressure of 121 psi. Due to the system load, this boiler was only able to be tested to 70% on this day.





- On November 19, 2021, the system pressure was lowered to complete the tune up on #3 Boiler and to perform a tune up on #2 Boiler. The pressure was below 150 psi for approximately 150 minutes and reached a low of 114 psi.
- On November 22, 2021, the system pressure was lowered for approximately 75 minutes to allow the safety valve contractor to complete online safety valve testing on the boilers, both Deaerators and the PRV Station. The lowest pressure recorded was 121 psi.
- On December 21, 2021, while performing maintenance on #2 Boiler, the boiler tripped. It was immediately restarted. The pressure dropped to a low of 133 psi and was below 150 psi for approximately 45 minutes.
- On January 6, 2022, the main natural gas line safety relief valve lifted causing low gas pressure at the Plant. Piedmont was called and an emergency crew was on site within one hour. They repaired the pilot valve on the pressure regulator. The steam system was below 150 psi for approximately 105 minutes with a low pressure of 81 psi.
- On January 7, 2022, the Boilers tripped on low water level due to an issue with the condensate pumps at Manhole 18. The steam system was below 150 psi for approximately 30 minutes with a low pressure of 141 psi.
- On February 8, 2022, the safety relief valve lifted on #3 Boiler causing the pressure to drop to approximately 138 psi. After the safety valve reset the Boiler was below 150 psi for about 45 minutes.
- On February 24, 2022, the combustion on #2 and #3 Boilers was tuned by Ware. In order to perform this tune up, the boilers had to be raised and lowered in 10% increments to make adjustments. Due to these fluctuations, the steam pressure was lowered to approximately 148 psi to prevent the safety valves from lifting during the tuning process. Steam pressure was below 150 psi for approximately 5 hours and 30 minutes.
- On February 25, 2022, #1 and #4 Boilers were tuned up by Ware in the same manner as above. Steam pressure was slightly below 150 psi for approximately 7 hours and 15 minutes.
- On March 2, 2022, #2 Boiler tripped. The pressure dropped below 150 psi for approximately 45 minutes with a low of 120 psi . The Boiler was re-started and no issues were found.
- On March 17, 2022, #7 & #8 Chillers tripped offline. The chilled water supply temperature exceeded 43.3 °F for approximately 38 minutes reaching a high of 46.1°F while #1 & #2 Chillers were placed on line.
- On March 18, 2022, while troubleshooting why Chillers 7 & 8 tripped, the chiller's tripped again. This caused the chilled water supply to rise to 46.1°F and exceeded the reportable limit for 42 minutes.





- On March 31, 2022, #3 Boiler tripped causing the safety valve to lift. The boiler was re-started, but the pressure dropped to a low of 85 psi and was below 150 psi for approximately 75 minutes.
- On April 21, 2022, the operator attempted to start #4 Chiller. It would not come on due to the evaporator valve indicator not working properly. Another chiller was started, but the chilled temperature was above the guarantee for approximately 36 minutes. The high temperature during this timeframe was 44.5°F. The evaporator valve indicator was replaced the same day.
- As the load increased on May 8, 2022, the operator started #6 Chiller. At this point, #4 Chiller unloaded and would not re-start. Another chiller was started, but the chilled temperature was above the guarantee for approximately 34 minutes. The high temperature during this timeframe was 45.1°F.
- On June 21, 2022 at 8:23 p.m. the Plant tripped offline momentarily and power was lost to the Boilers, Chillers, Pumps and Cooling Towers. The Boiler was immediately re-started and 5 of the chillers restarted. CES personnel were called in and began investigating and found Transformer 1A Breaker tripped. The remaining chillers were swapped to Tranformer 1B and the Plant was returned to normal operation. The chilled water supply temperature was above the guarantee for approximately 140 minutes and reached a high of 51.9°F. The Boiler pressure was not below the gaurantee for longer than 30 minutes but did reach a low of 144 psi.

The following day, CES’s I & E Supervisor contacted NES regarding any possible system upsets and received the following reply.

*Per our conversation, please see cause of system disturbance on 6/21/22 included below. At 20:23 pm we had Central A4B, 11<sup>th</sup> Ave A4B/ A5B and MDES low side breaker 53M3 to lock out. South A7B also tripped and reclosed. After investigation at Central, our operator reported a bird near the A4L, but everything checks good. We have closed back Central A4B, 11<sup>th</sup> Ave A4B & A5B. MDES is waiting for their electrician to come in and investigate 53M3, before closing it.*

CES contacted the high voltage Contractor to review the breaker for Transformer 1A the following day and they found no problems with the unit. The Plant was placed back in normal configuration on the early morning of June 24, 2022.

Constellation is required to report upsets that last longer than thirty minutes. The following table includes every minute the plant was outside the contractual service delivery parameters, whether reportable or not, and not necessarily down. Reliability does not include scheduled outages allowed per the Amended and Restated Management Agreement (ARMA).

|                 | <b>Downtime</b>  |                    | <b>Availability</b> | <b>Reliability</b> |
|-----------------|------------------|--------------------|---------------------|--------------------|
|                 | <b>Scheduled</b> | <b>Unscheduled</b> |                     |                    |
| <b>Boilers</b>  | 0 minutes        | 1730 minutes       | 99.67%              | 99.67%             |
| <b>Chillers</b> | 0 minutes        | 388 minutes        | 99.93%              | 99.93%             |



### *Plant Efficiency*

When the annual boiler inspections were completed at the end of July 2021, two boilers were placed in wet lay-up, one in stand-by, and one de-aerator tank was isolated due to the reduced steam demand during the summer months. One boiler and one de-aerator were left online. This equipment is rotated monthly. This is done to increase steam efficiency during the cooling season. Stand-by boilers were taken out of wet lay-up and the second DA Tank was put back in service during the month of November 2021 in preparation for the heating season.

Constellation and Metro agreed upon the final version of the Metro DES annual reconciliation for FY22 on September 27, 2022. The annual reconciliation for this time period consisted of a true-up for the FEA, propane, engineering and insurance costs. For reference, the annual reconciliation is included in Appendix 4 of this report.

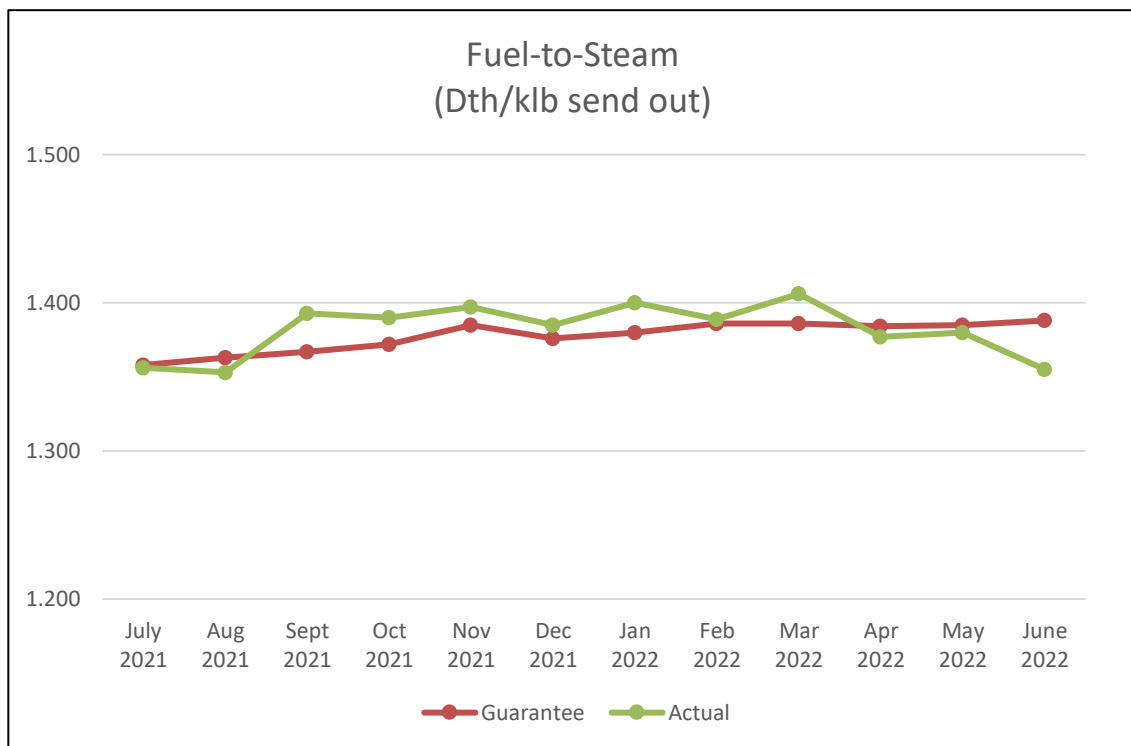
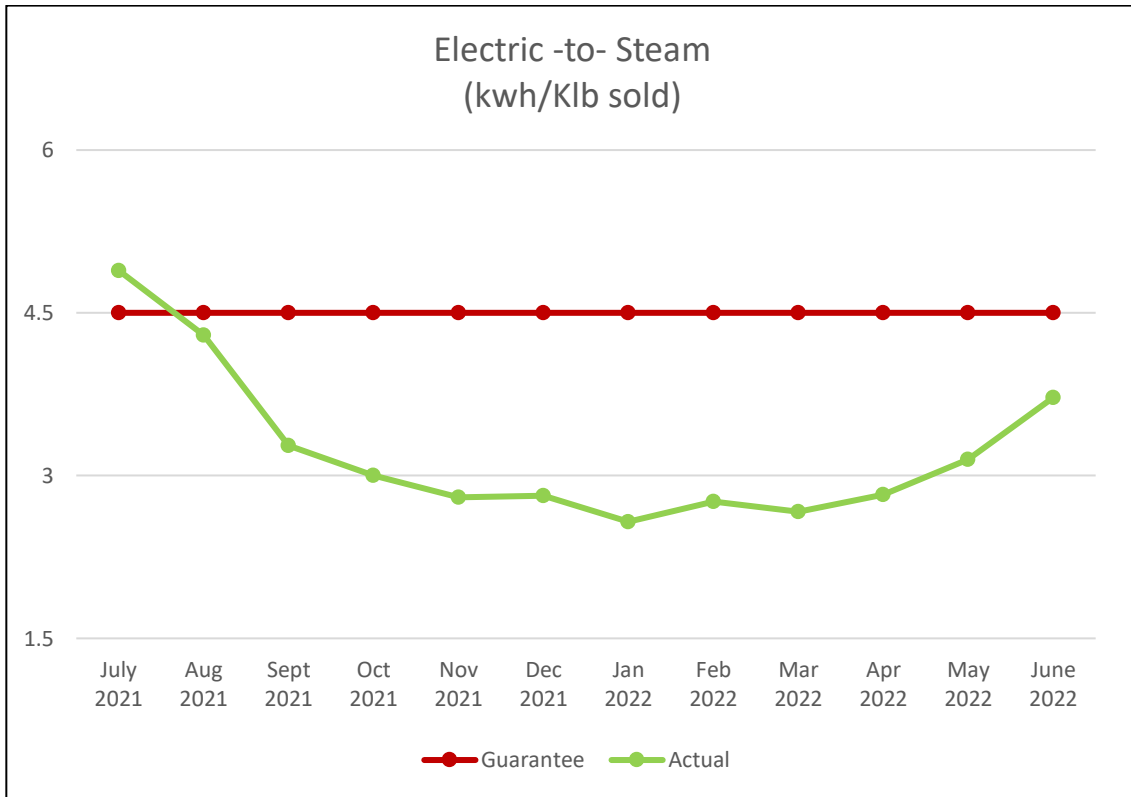
Constellation Energy's efficiency guarantees consist of five key conversion rates:

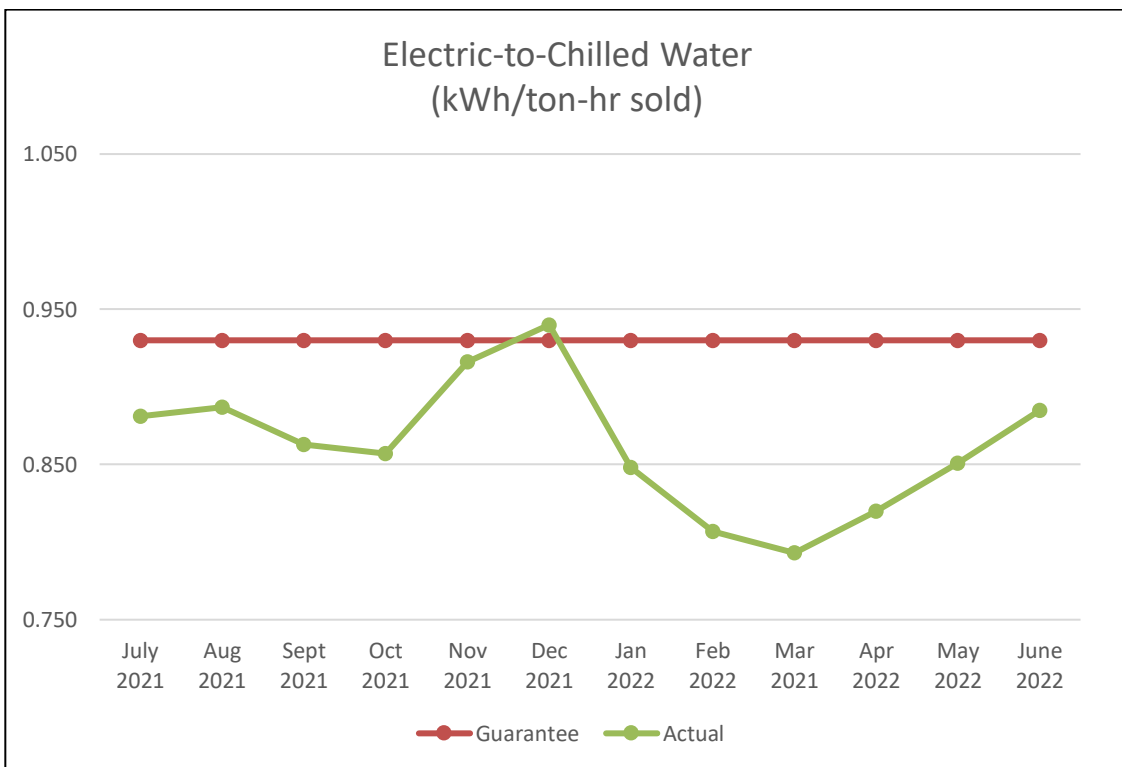
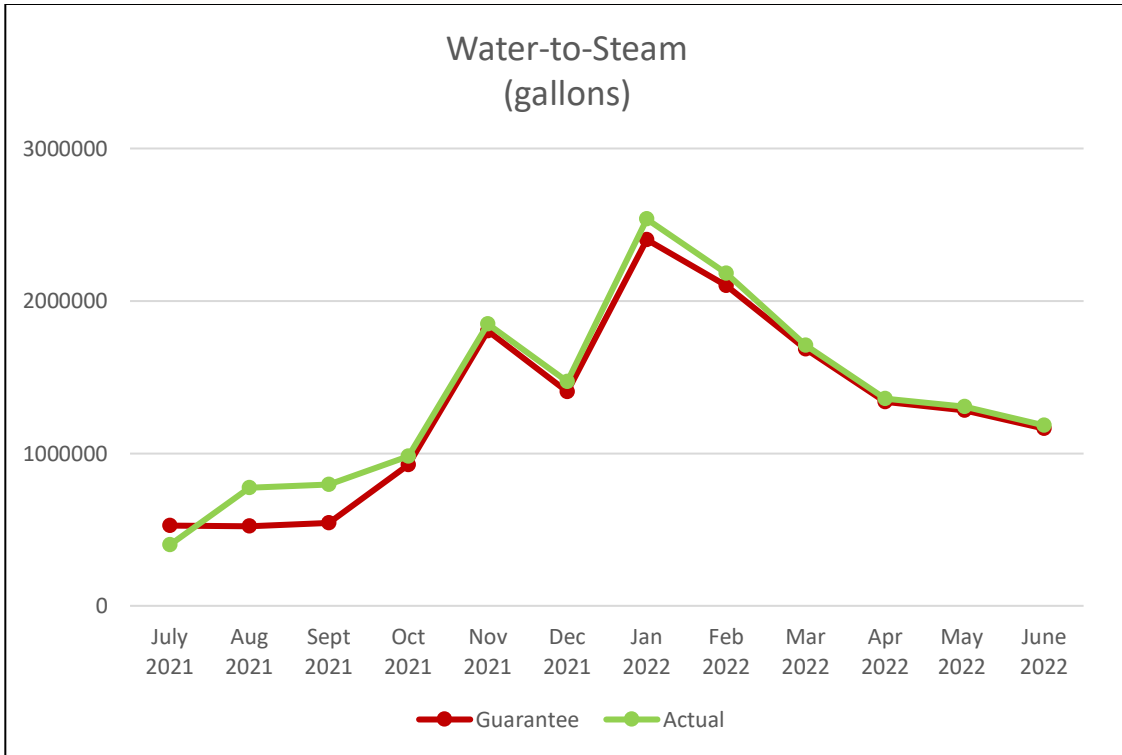
1. Electric-to-Steam (kWh per klb-sold)
2. Fuel-to-Steam (Dekatherm per klb-send-out)
3. Water-to-Steam (gallons)
4. Electric-to-Chilled Water (kWh per ton hr-sold)
5. Water-to-Chilled Water (gallon per ton hr-sold)

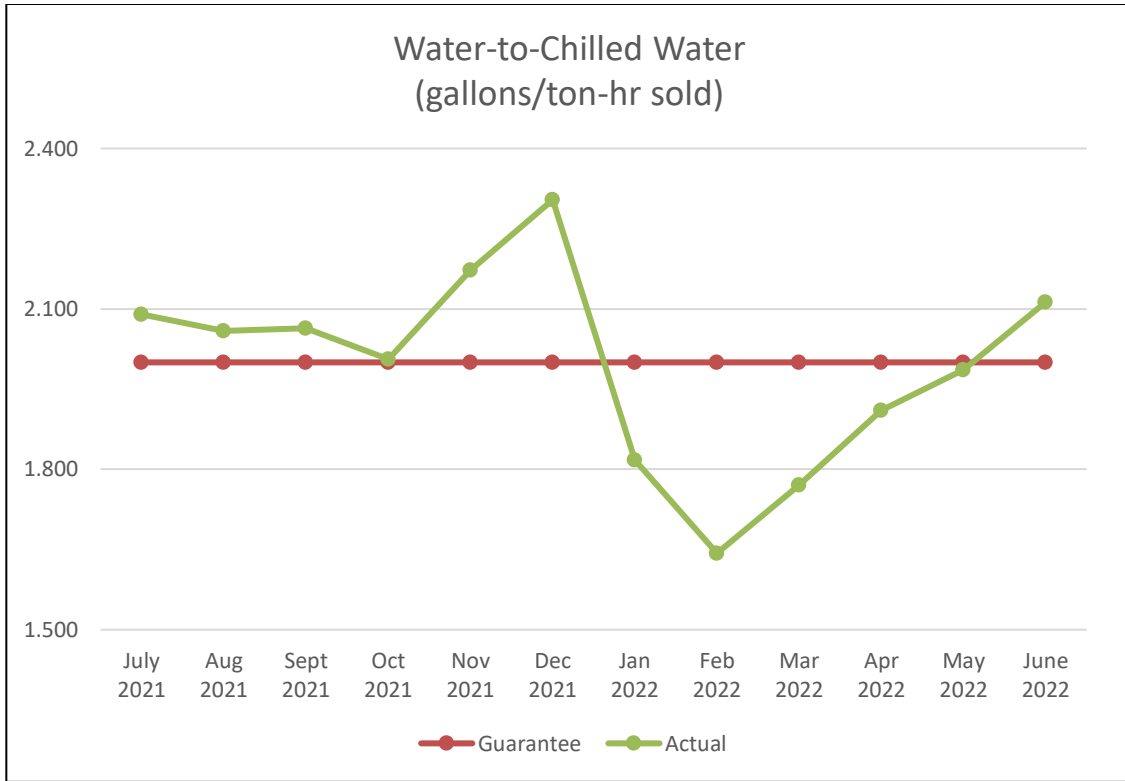
The newly negotiated guarantees are much tighter as they were reduced by 25% or more. As equipment ages, it generally becomes less efficient. CES continues to investigate ways to operate more efficiently to meet these lofty new commitments.



The following graphs represent the efficiency guarantee results from July 2021 through June 2022:







CES did not meet, nor did they exceed every single guarantee each month during the past year. When CES exceeds a performance guarantee, they are penalized 100% of the amount exceeded. When they beat the guaranteed value, they receive a 25% bonus. CES received a bonus of \$61,714.95 for FY22.



## *Environmental, Health and Safety*

### *Environmental*

There have been no environmental violations since the plant began commercial operations in December 2003.

Storm water samples were collected, inspections conducted, and a report was generated quarterly. Storm Water Pollution Prevention Plan (SWPPP) and Spill Prevention Controls and Countermeasures (SPCC) training was conducted online this year due to COVID-19.

### Regulatory Compliance

Required reporting activities were submitted as follows:

- The Semi-Annual Emissions Monitoring Report for January-June 2021 was sent to the Metro Nashville Health Department on July 9, 2021.
- The Semi-Annual Monitoring Report for July-December 2021 was sent to the Metro Health Department on January 13, 2021.
- The Title V Certificate of Compliance for 2021 was sent to the EPA on January 18, 2022. A copy was also sent to the Metro Health Department the same day.
- The Annual Emission Inventory Report for 2021 was sent to the Metro Health Department on January 31, 2021. The Annual Emission Fees were sent on February 28, 2022.
- The Tier II report was sent to the State Emergency Planning Committee, Davidson County LEPC and the Nashville Fire Department on February 2, 2022.
- The Annual Greenhouse Gas Report was sent to the U.S. EPA on February 14, 2022.
- The Metro Health Department conducted the Annual Site Inspection and Record Review on March 9, 2022. Everything was found to be in order.

### *Health*

Things are beginning to get back to normal, but new variants of the COVID-19 Virus continue to present challenges. Several employees contracted the virus and had to be quarantined. This also resulted in additional cleaning and disinfecting of the facility. CES protocols, based on CDC guidelines, remain in effect. Face mask are being worn when social distancing cannot be maintained. In person meetings are discouraged. Conference calls, Microsoft Teams, Skype, etc. meetings are being utilized instead when possible.

There were no accidents during the past year, but health issues do arise from time to time. One employee suffered a stroke but has fully recovered and is now back at work. Another employee had knee replacement surgery. He is also back at work.



***Safety***

CES plant personnel continue to conduct themselves in a safe manner. There were no reportable accidents in the past year.

Monthly safety meetings were coordinated and scheduled by CES’s site Safety Officer. Training classes were conducted online due to the COVID-19 restrictions in place. Safety and accident reports are issued and posted each month.

The refrigerant alarm and gas monitors are checked weekly. Preventative maintenance and calibrations are performed monthly on the portable gas monitors used in the EDS. Fire extinguishers are also checked monthly.

Per OSHA, the NEC and NFPA 70E 1910 Subpart S, our arc flash Personal Protective Equipment was sent out for inspection and recertification as required.

***Accident Report***

|              | Total     | OSHA       | Lost Time | Total     |
|--------------|-----------|------------|-----------|-----------|
|              | Accidents | Reportable | Accidents | Lost Days |
| July 2021    | 0         | 0          | 0         | 0         |
| August       | 0         | 0          | 0         | 0         |
| September    | 0         | 0          | 0         | 0         |
| October      | 0         | 0          | 0         | 0         |
| November     | 0         | 0          | 0         | 0         |
| December     | 0         | 0          | 0         | 0         |
| January 2022 | 0         | 0          | 0         | 0         |
| February     | 0         | 0          | 0         | 0         |
| March        | 0         | 0          | 0         | 0         |
| April        | 0         | 0          | 0         | 0         |
| May          | 0         | 0          | 0         | 0         |
| June         | 0         | 0          | 0         | 0         |
| <b>Total</b> | <b>0</b>  | <b>0</b>   | <b>0</b>  | <b>0</b>  |





## *System Assessment and Status*

### ***Personnel***

The plant is fully staffed with an exceptional work force. CES prides itself on keeping employees engaged which results in a very low turnover rate.

CES's work force is aging. One of our electricians retired October 29, 2021. Interviews continue for his replacement. A relief operator was hired November 17, 2021, making CES's required headcount correct. CES's Plant/General Manager has announced his plans to retire June 30, 2022.

### ***Training***

To maintain and operate the facility safely, reliably and efficiently a significant amount of employee training is required. The following demonstrates some of the training that was conducted throughout the year:

- Employees completed Constellation Retail Electric and Natural Gas compliance training
- Corporate conference call information sessions, regarding COVID-19 pandemic and company updates, were conducted weekly
- Employees completed corporate on-line security training, FERC Training ITS and Phishing Awareness Training

Training classes were not held in person this year due to COVID-19 protocols. The following safety classes were completed by CES personnel online using the LMS (Learning Management System):

- Fire Safety
- Accident Investigation, Reporting & Record Keeping
- Tool & Equipment Safety
- Compressed Gas Cylinder Safety & Hot Work
- Confined Space Entry
- Storm Water Pollution Prevention Plan & Spill Prevention, Controls & Countermeasures
- Bloodborne Pathogens, Heat Stress & Cold Stress
- Steam Safety & Refrigerant Safety
- Lock out/Tag out
- Safe Work Practices
- Elevated Work & Vehicle Safety
- Personal Protective Equipment
- Chemical Safety & Hazard Communications



### *Customer Service*

CES personnel routinely communicate with the customers each month through e-mails, phone calls or visits. When customers have heating or cooling issues inside their buildings, we assist them with troubleshooting and attempt to resolve their problems. When a service interruption is required, whether it is project related or an emergency, activities are coordinated closely with the customers to keep the impact to a minimum.

Several things, such as, the Annual MNDES Customer Meeting was held on March 3, 2022 and the Constellation Nashville District Energy Invitational Golf Tournament on May 20, 2022 took place this year after a two year absence due to COVID-19 restrictions. These activities build relationships, help further a positive image of the DES in the community and promote existing building owners to assist us in our sales efforts.

CES's Customer Service Representative reviews each customer's meter readings monthly. For those who do not meet their contractual chilled water return temperature requirements, a Thermal-Inefficiency-Fuel-Surcharge (TIFS) penalty is assessed. TIFS are added directly to customer invoices.

When a customer habitually exceeds their contractual demand capacity, the meter data is sent to the MNDES Contract Administrator for review and evaluation. The reason for the excursion is investigated and suggestions are made to keep it from occurring again. If a capacity adjustment is deemed appropriate, a letter is sent to the customer with an explanation of the adjustment and its duration.



## **Energy Generation Facility and Equipment Maintenance**

During normal operation, preventative, predictive and routine maintenance items must be scheduled and completed. During the summer months the lawn is mowed weekly and landscaping is routinely manicured. This includes trimming trees and shrubs, putting mulch in the beds, maintaining the irrigation system and removing dead plants. The building and grounds are policed daily and the lighting is maintained year-round. The carpeting is shampooed in the office areas and the tile floors are stripped, waxed and sealed annually.

### ***EGF Preventive and Predictive Maintenance***

The following items were accomplished to increase equipment life, reliability, efficiency and safety:

CNE personnel perform daily equipment inspections, check bearing temperatures, oil levels, belt tensions, etc. In addition, preventative maintenance is performed on the following equipment monthly: HVAC units, cooling towers, condenser water pumps, chilled water pumps, boiler feed water pumps, condensate pumps, motors, instrument air compressors and driers. The roof surface is inspected and cleaned. The propane system is also test fired and leak checked monthly.

Annual pressure vessel inspections are scheduled to be completed during the cooling season. The inspections are conducted by F. M. Global. They are State Certified Boiler Inspectors, working as a subcontractor to our insurance carrier. These inspections are required in order to renew our operating permits. Boiler inspections consist of a visual examination of the mud drum, steam drum, economizer, tubes and fire box. #2 and #4 boilers and #2 de-aerator tank were inspected in July 2021. #1 and #3 boilers and #1 de-aerator tank were most recently inspected in June 2022. All of the boilers received a passing grade and their respective permits have been renewed. #2 and #4 boilers and #2 de-aerator are scheduled to be re-inspected in July 2022.

Inspections were witnessed by our chemical vendor's representative and plant personnel. When units are offline for inspection, preventative maintenance is performed on the forced draft fans, low water cut out switches and other associated equipment.

Annual chiller inspections are scheduled and executed during the heating season as a good maintenance practice. These inspections include opening the condensers and cleaning the tubes, performing vibration analysis and taking oil sample analysis on each chiller. Eddy current testing was conducted on the evaporator and condenser on #1, #4 and #5 Chillers. Controls and purge units were also checked for proper operation.

As part of the Preventive and Predictive maintenance program CNE had a contractor take alignment and vibration readings on all pumps, fans and motors. These readings are compared to the previous year's readings. All equipment readings were within acceptable limits.

Infrared testing was conducted on all electrical switchgears and starters. No problems were found during this testing.



The high-voltage switch gear preventive maintenance was scheduled and executed during the fall on the following equipment: transformers, vacuum breakers, relays, load break switches, infrared inspections and oil sample analysis.

Annual maintenance costs for these activities: \$211,297.75 (excludes salaried personnel & corporate overhead).

### ***Repairs and Replacements***

The following are routine maintenance items performed daily or weekly:

- Office Janitorial Services & equipment room clean up
- Pick up debris around exterior of EGF
- Mow and landscape lawn
- Checked & repaired plant computers & servers
- Repaired plant lighting and electrical
- Checked & adjusted packing on all pumps

From time-to-time repairs and replacements must be made. The following are examples of repairs that have been performed in the EGF in the past 12 months:

### **July 2021**

- Repaired cabinets in Break Room
- Replaced #1 Boiler B/D valve
- Repaired nitrogen leak on propane system
- Repaired Softener flow meters
- Repaired condensate return valve
- Replaced suction gauge on #4 Chilled Water Pump
- Cleared cooling tower B/D strainer
- Trane replaced dryer on #8 Chiller
- Trane replaced purge filters on #8B, 6A, 5A & 5B Chillers
- Trane replaced refrigerant filter on 8B
- Trane replaced purge sensor and module #4B Chiller
- Trane replaced evaporator sensor on #6A Chiller
- Condensate line in State Tunnel (North Leg) was insulated
- Checked refrigerant in# 9 Chiller
- Repaired lagging on #3 Boiler
- Clean hot deck on #9 Cooling Tower
- Run new chemical lines to #1 DA
- Repair site glass on #1 DA
- Replaced bearings on #16 Cooling Tower



### **August 2021**

- Replaced #3 Boiler continuous B/D valve
- Replaced #3 Boiler conductivity control valve
- Checked & repaired soft water make-up meter
- Checked condensate return meter
- Replaced safety relief valves on #2 Boiler
- Removed safety relief valves from #4 Boiler
- Cleaned cooling tower B/D strainer
- Trane replaced solenoid valve & purge valve on #7B Chiller
- Trane replaced pressure switch on #4 Chiller
- Assisted Trane check chiller motors
- Replaced refrigerant filters on #6 Chiller
- Replaced ice maker
- Repaired instrument air compressor
- Check softener flow meters
- Repaired chemical line leak at #1 DA
- Replaced cooling tower M/U valve actuator

### **September 2021**

- Replaced sulfite line to softeners and ran new phosphate lines to DA's
- Repaired #1 & #4 Boiler level controllers
- Repaired #3 Boiler B/D valve & probe
- Replaced condensate return meter and check valve
- Install safety relief valves on #4 Boiler
- Replaced #1 & #2 Boiler FD Fan Motors
- Rewire/repair Instrument Air Compressor
- Cleared cooling tower B/D strainer
- Trane replaced purge unit on #4 Chiller
- Replace soft water M/U bypass isolation valve
- Checked relay on SWG 3B
- Disconnect #5 CWP Motor
- Assisted Chem-Aqua replace Phosphate Tank & Pumps, Sulfite Tank & Pumps and Neutralizing Amine Tank & Pump
- Repaired #6 Chilled Water Pump communications
- Replaced selector switch on vaporizer

### **October 2021**

- Installed new phosphate lines
- Repair Boiler blow down drain piping



- Repaired damper linkage on #1 Boiler
- Repaired water column on #2 Boiler
- Repair softener controls
- Assisted Industrial Boiler & Mechanical (IB&M) repair tube leak in #1 Boiler
- Assisted IB&M make refractory repairs to #2 Boiler
- Repaired Genie lift
- Cleared cooling tower B/D strainer
- Trane replaced oil filter and regulator on #8B Chiller
- Trane repaired oil pump on #8A Chiller
- Trane replaced oil pump relay on #9A Chiller
- Trane repaired evaporator flow switch on #1 Chiller
- Trane repaired linkage and evaporator temperature sensors on #7 Chiller
- Trane repaired oil pump on #8B Chiller
- Trane troubleshoot load issue on #9 Chiller
- Trane replaced oil filter on #1B Chiller
- Trane bled air out of #5 Chiller
- Repair plant exhaust fans
- Replaced fan belt on #12 Cooling Tower
- Have #5 CWP Motor repaired
- Assisted Chem-Aqua
- Check meters in SWG 3B and 5B

### **November 2021**

- Repaired bonnet leak on #2 DA steam isolation valve
- Set & align rebuilt motor on #5 CWP
- Installed new motor on #1 Boiler damper linkage
- Replaced relay on #2 Boiler
- Assisted IB&M make steel & refractory repairs to rear of #2 Boiler
- Winterize Boiler Room (tarps, heaters, air curtain, etc.)
- Winterize lawn sprinkler system & checked heat trace
- Cleared cooling tower B/D strainer & repaired leak
- Trane troubleshoot load issue on #9 Chiller
- Trane replaced oil filter on #1B Chiller
- Trane bled air out of #5 Chiller
- Replaced resistor on motor on #5B Chiller
- Replaced temp sensor on #6B Chiller purge unit
- Cleared plugged orifice on #6A Chiller
- Replaced purge pump on #7B Chiller



- Replaced thermometer on #1 Boiler
- Adjusted firing rate on #1 Boiler
- Tuned #3 Boiler
- Tuned #2 Boiler
- Replaced sight glass on Flash Tank
- Assisted Superior replace Boiler Blowdown piping
- Assisted Chem-Aqua with chemical delivery
- Check meters in SWG 3B and 5B

### **December 2021**

- Repaired oil leak on #3 BFWP
- Replaced O/B bearing on #3 BFWP
- Repaired gas valve on #1 Boiler
- Repair 2" domestic water meter remote reader
- Replaced #2 Boiler pressure switch/solenoid
- Replaced continuous B/D valve actuator on #3 Boiler
- Replaced condensate probe on #1 Boiler and #3 Boiler
- Assisted IB&M repair tube leak in #1 Boiler
- Repaired unit heaters
- Replaced air compressor on fire suppression sprinkler system
- Replaced breaker for fire suppression air compressor
- Repaired air curtain heaters
- Trane replaced purge pump on #7B Chiller
- Trane replaced evaporator temperature sensor on #7 Chiller
- Repaired drain line on #14 Cooling Tower
- Repaired steam valve on #2 DA
- Tuned #1, 2 & 3 Boilers
- Painted CWP's
- Reinsulate cooling tower M/U valve
- Repaired leak on phosphate pump
- Assisted Exterminator remove spider webs
- Boiler B/D Piping
- #5 CWP motor rewind

### **January 2022**

- Repaired oil leak on #4 BFWP
- Rebuild #3 BFWP
- Repaired leak on Flash Tank





- Repaired steam isolation valve on #1 Boiler
- Replaced actuator on condensate probe on #2 & #3 Boiler
- Assisted IB&M attempt to locate tube leak in #4 Boiler
- Completed TEG Walk Through List items
- Repaired & fueled Boiler room torpedo heaters
- Trane troubleshoot load issue on #9 Chiller
- Replaced purge temperature sensor on #4A Chiller
- Replaced drier on #4B Chiller
- Replaced condenser fan motor on #8 Chiller
- Replaced starter module on #8B Chiller
- Checked #2 PRV control valve and ordered parts
- Assisted Colt Atlantic repair steam isolation valve on #2 DA
- Repaired plant heat trace
- Assisted Piedmont repair Natural Gas meter

### **February 2022**

- Disassembled #3 BFWP
- Assisted Ware Tune Boilers
- Replaced condensate B/D probe
- Repaired & fueled Boiler Room torpedo heaters
- Replaced high temperature portable sump pump on service truck
- Assisted Experitec repair #2 control valve on PRV Station
- Assisted Shermco check #1B transformer
- Replaced batteries in Plant UPS
- Realigned, wired & test ran #5 CWP Motor
- Assisted Metro Water repair 2" domestic water meter

### **March 2022**

- Replaced regulator on #8 Chiller valve actuator
- Repair/replace #4 SWG UPS
- Adjust #4 Boiler FD fan linkage
- Check #3 Boiler condensate B/D probe
- Repaired & fueled Boiler room torpedo heaters
- Remove refrigerant, pull vacuum & charge 5B Chiller with Nitrogen
- Assist Trane rebuild oil pump on 5B Chiller
- ENECON cleaned and coated risers in 4 cooling towers
- Assisted Shermco check SWG 3B, 5B & motors
- Replaced #1 Boiler low water cut out



- Repair air curtain
- Repaired plant backflow preventers
- Repair plant service air compressor
- Calibrate/repair/replace Oxygen Analyzer

#### **April 2022**

- Replaced bearings on #1 & #3 BFWP
- Replaced motor on service air compressor
- Replaced belt tensioner on #6 & #7 Cooling Towers
- Repaired control valve on #4 Chiller
- Repaired #5, #7 & #9 Chiller isolation valves
- Replaced #2 & #3 Boiler conductivity probes
- Replaced belts on #1 & #3 Cooling Towers
- Trane repaired load issue on #9 Chiller
- Trane replaced oil filter on #1B Chiller
- Trane bled air out of #5 Chiller
- Replaced motor resistor on #5B Chiller
- Cleared plugged orifice on #6A Chiller
- Leak checked 5B Chiller
- Replaced coupling on #3 Condensate Pump
- Replaced refrigerant filters on #6 Chiller
- Assist Koorsen repair security cameras
- Assisted Shermco check out SWG 3B
- Assisted Shermco with SWG 5B meter replacement

#### **May 2022**

- Repaired level controller & cleaned hot deck on #10 Cooling Tower
- Repaired #6 Chiller filter unit
- Restored comms with M/H 18
- Check blowdown valves on #4 Boiler
- Repaired #1 Cooling Tower vibration switch
- Trane adjusted #1 Chiller condenser water valve to stop surging
- Trane replaced temperature sensor on #7 Chiller
- Trane repaired the oil pump on #9 Chiller
- Replaced portable sump on EDS Service Truck
- Replaced conductivity controller & probe on #3 Boiler



- Replaced cover on hydraulic sump pump
- Repaired fire alarm system
- Assisted Shermco check SWG 3B & replace meter on SWG 5B
- Assist John Bouchard & Sons repair plant backflow preventers

### **June 2022**

- Repaired valve on # 1 Softener
- Repaired leak on # 3 Softener
- Replaced filters on # 6A Chiller
- Repaired chemical line leaks
- Repaired leak on service air compressor
- Repaired leak on instrument air compressor drier
- Trane replaced all of the flat gaskets on # 5B Chiller
- Pulled vacuum and recharged # 5B Chiller with refrigerant
- Trane replaced control panel on # 9B Chiller
- Repaired Genie Lift
- Replaced conductivity probe on # 2 Boiler
- Assisted Shermco with Switchgear 5B Meter display replacement
- Restored power to EGF after NES interruption
- Assisted Shermco with investigation of Transformer 1A breaker following NES interruption
- Restored normal configuration of Transformer 1A

Annual maintenance costs for these activities: \$364,780.33 (excludes salaried personnel & corporate overhead).

- Administrative functions include reports, purchase orders, material acquisition, office supplies, meetings, etc.

Annual costs for these items and activities: \$130,236.27 (excludes salaried personnel & corporate overhead).



### *EGF Emergency Repair Projects*

#### **EMR21-007 #1 & #2 Boiler Forced Draft Fan Motor Replacement**

#2 Boiler Forced Draft fan motor failed in September 2021. Nashville Machine was hired to replace motor. While rigging equipment was in place, CES proactively decided to replace the motor on #1 Boiler. This work was completed the first of October. The FD fan motors on the other 2 boilers were replaced last year.

#### **EMR21-009 Boiler Blowdown Piping Replacement**

The blowdown piping under the floor plates was deteriorated, had developed multiple holes and created a safety hazard. Superior Mechanical was hired to fabricate new piping & supports, remove the floor plates, remove existing deteriorated piping, install & connect the new piping and replace the floor plates. This work was completed in November 2021.

#### **EMR21-010 #1 Boiler Tube Leak Repair**

Assisted Industrial Boiler & Mechanical repair tube leak on south side of #1 Boiler in December 2021.

#### **EMR21-011 #2 Boiler Insulation and Lagging Repairs**

Assisted Industrial Boiler & Mechanical repair refractory, steel, insulation and sheet metal on the rear of the boiler in October 2021.

### *Information Technology System Program*

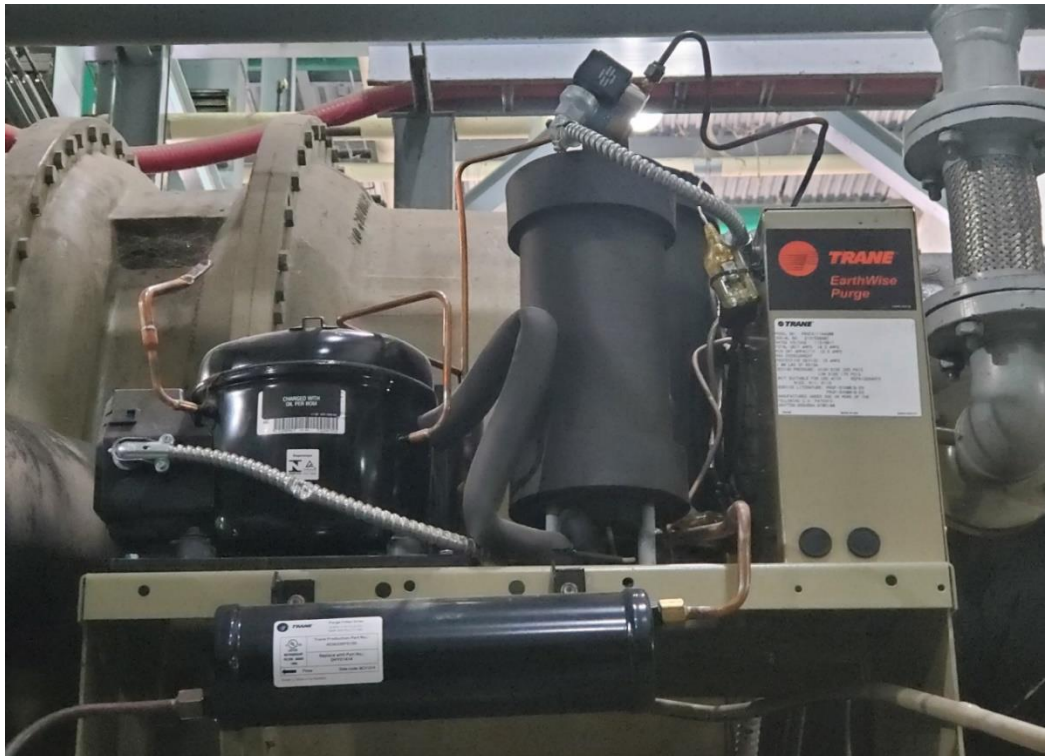
The Information Technology System Program is reviewed with Metro annually. The last review was conducted on September 1, 2022. Changes are included in the copy of the program located in Exhibit 2 of this report.

### *Modifications and Improvements*

The following are improvements that were performed in and around the Energy Generation Facility and in the Energy Distribution System:

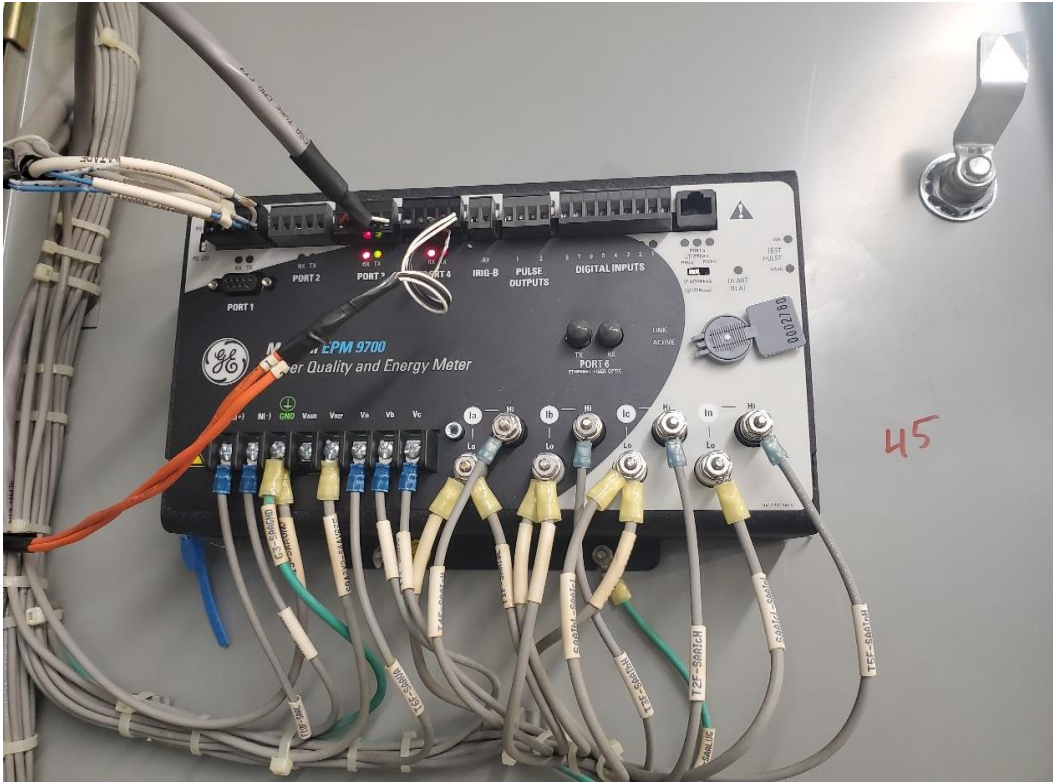


# 3 Boiler Conductivity Controller Upgraded (new panel)



# 5B Chiller Purge Unit Upgrade





5B Switchgear Meter Upgrade



5B Switchgear Meter Upgrade



Switchyard Lighting Upgrade



# 9 Chiller Panel Controller





## ***Energy Distribution System***

### ***Preventive and Predictive Maintenance***

All the direct buried portions of the EDS are checked monthly by means of thermographic imaging. When a hot spot is detected, it indicates a possible piping leak or damaged insulation. Depending on the severity of the thermal temperature variance from the surrounding area, a determination is made whether to excavate the affected area.

CES maintenance personnel perform monthly inspections of EDS tunnels, as well as, the State steam tunnel and the A. A. Birch (AAB) building tunnel. Monthly manhole inspections are also conducted. The condition of the structures, piping, supports, insulation, seals, lighting and ventilation is documented. Any deficiencies noted are prioritized and scheduled for repair accordingly.

CES personnel have been very diligent in monitoring condensate return quality. When unacceptable levels of iron and hardness contamination are discovered, the condensate return is placed to drain either in the customers building or in the EDS tunnel. This water is not suitable for use in the boilers. Since CES has limited control over what the DES customers return, alternative remedies continue to be explored for this problem.

When the customer meter readings are taken for the preceding month, the readings are reviewed. If they vary 30% high or low, from their three-year average, Instrumentation personnel check the questionable metering devices for calibration as required in the customer buildings.

The air compressor in the Andrew Jackson Building mechanical room, which operates the Pressure Reducing Valve on the State steam loop, is inspected monthly and maintenance is performed as required. An alarm on this air compressor is tested on a regular basis. Sump pump alarms in Manhole D, Manhole 18 and in the A. A. Birch Tunnel are also tested periodically. Tempering Stations on the condensate return system in the Fairlane Hotel and in the Municipal Auditorium are inspected for proper operation monthly.

The chilled water loop is being treated with a biocide to kill localized bacteria at customer interfaces and clean heat exchanger surfaces. Samples are being taken at several customer buildings periodically and tests indicate an improvement has been made. Bacteria levels remain below the acceptable limits. An option being considered to make further improvement includes installing a side stream filter at the EGF.

### ***Routine Maintenance and Emergency Repairs***

Some repairs can be made without disrupting service to the customers while others require sections of the system to be shut down. When possible, CES will hire an on-line leak repair contractor to facilitate steam leak repairs without interrupting service to the DES customers. Several expansion joints, valves and flanges were repaired throughout the system during the past year using this technique.



Most jobs performed in the EDS require off duty policemen to perform security and traffic control. The following are examples of the routine maintenance and emergency repairs that have been performed on the EDS in FY21-22.

### **July 2021**

- Repaired M/H B sump pump
- Checked Hyatt Centric Meter connection
- Restored communications with 501 Building meter
- Checked and corrected sump pump ID's
- Repaired M/H M sump pump alarm
- Replaced bearings on 7th Ave. Tunnel fan
- Rebooted meter panels at Hermitage Hotel and Renaissance Hotel
- Marked M/H lids for Homeland Security for Independence Day celebration
- Assisted TEG with access to M/H 13 and M/H 20
- Assisted ENECON at M/H N2
- Assist with review of State Tunnel ladders
- Assist TEG with review of work in 4<sup>th</sup> Avenue Tunnel (DES-172)
- Assist TEG with review of work in 7<sup>th</sup> Avenue Tunnel (DES-174)
- Assist TEG with review of work at M/H 10 (DES-185)
- Assist TEG with review of work in Printers Alley (DES-186)
- Checked progress and pumped out at M/H 22B (DES-187)
- Assisted TEG with review of work at M/H 22B (DES-187)
- Assisted contractor at M/H 2 (DES-190)
- Checked calibration on 4" RTD's for 501 Building
- Performed annual meter certification at 501 Building
- Checked calibration on 4" RTD's for Parkway Tower
- Performed annual meter certification at Parkway Tower

### **August 2021**

- Repaired tunnel lighting (AAB/4th & Church)
- Checked calibration on 8" RTD's for Hermitage Hotel
- Checked calibration on 4" RTD's for Ryman Auditorium
- Checked calibration on 4" RTD's for 4th & Church
- Checked calibration on 6" RTD's for City Space
- Performed annual meter certification at City Space
- Checked calibration on 8" RTD's for 5th & Broad
- Performed annual meter certification at 5th & Broad
- Performed annual meter certification at Hyatt Place Hotel
- Checked calibration on 8" RTD's for Renaissance Hotel



- Performed annual meter certification at Renaissance Hotel
- Performed annual meter certification at Renaissance Ballrooms
- Performed annual meter certification at Parkway Tower
- Repaired M/H B2 sump pump alarm
- Worked with Hyatt Centric to establish meter connection
- Pumped out steaming manholes
- Checked steam leak at War Memorial (their Hx)
- Checked Meter at Supreme Court
- Checked M/H N2
- Replaced trap assembly in M/H B2
- Replaced trap assembly in M/H B3
- Replaced check valve in M/H K
- Insulated condensate line in State Tunnel (North leg)
- Replace steam isolation valve at 4th & Church
- Repacked steam isolation valve in 4th & Church Parking Garage
- Prepared ladder for installation in M/H U
- Assisted TEG with review of M/H 20 (DES-191)
- Assisted TEG with review of M/H B10 (DES-182)
- Assisted TEG with access to M/H 19 (DES-171)

### **September 2021**

- Checked calibration on 4" RTD's for Wildhorse Saloon
- Checked calibration on 4" RTD's for Ryman Auditorium
- Checked calibration on 4" RTD's for 4th & Church
- Performed annual meter certification at 4th & Church
- Cleared discharge line & alarm on M/H B2 sump pump
- Worked with Hyatt Centric to establish meter connection
- Met with Hyatt Centric to discuss access to metering devices
- Pumped out steaming manholes
- Checked meter at Fairlane Hotel
- Assisted C-Tech with access to Supreme Court for meter panel replacement quote
- Dredged south end of 4th Ave. Tunnel
- Assisted Superior repair condensate line leak in M/H 10
- Investigated trap line leak at TSU
- Replaced insulation in M/H 3 & M/H 4
- Installed ladder in M/H U
- Decoupled Sheraton Hotel (place Hx back in service)
- Took Photos in 4th Ave. Tunnel of completed work (DES-172)



- Pre-bid meeting site visit (DES-179)
- Pre-bid meeting site visit (DES-188)
- Assist TEG with review of 4th Ave. Tunnel (DES-172)
- Assist TEG with review of 7th Ave. Tunnel (DES-174)
- Assist contractor with access to M/H 10 (DES-185)

### **October 2021**

- Cleared alarm on M/H B2 sump pump
- Worked with Hyatt Centric to establish meter connection
- Attempted to install pan at M/H 2/wrong one delivered
- Pumped out steaming manholes
- Replaced emergency light in M/H 18
- Repaired tunnel lighting
- Replaced sump pump float in M/H 9
- Restored steam service to 4th & Church Building
- Assisted Superior replace trap assembly at TSU (Amd. 2 work)
- Assisted Superior repair condensate line & trap line in State Tunnel
- Assisted Warren replace insulation in M/H D3
- Assisted Hyatt Place Hotel with steam leak repair
- Take M/H tray measurements for TEG (DES-187)
- Isolated steam to NPL (DES-187)
- Assisted contractors at M/H 22B with steam line replacement (DES-187)
- Reenergized steam to NPL (DES-187)
- Assisted NPL restore steam service in building (DES-187)
- Assisted contractors at M/H 22B with condensate line replacement (DES-187)

### **November 2021**

- Checked calibration on 6" RTD's for Cordell Hull
- Checked calibration on 4" RTD's for Wildhorse Saloon
- Performed annual meter certification at Wildhorse Saloon
- Checked calibration on 6" RTD's for Symphony
- Performed annual meter certification at Symphony
- Checked calibration on 6" RTD's for Hume-Fogg
- Performed annual meter certification at Hume -Fogg
- Performed annual meter certification at Ryman Auditorium
- Replaced float and fuse on M/H B2 sump pump
- Checked sump pump float in M/H 9
- Installed pan at M/H 2



- Pumped out steaming manholes
- Repaired condensate pumps in M/H 18
- Repaired condensate leak in State Tunnel at W-75
- Isolate steam to Hermitage Hotel so they can make repair
- Marked M/H lids for MPD prior to Rock & Roll Marathon
- Repaired two leaks in pit outside Symphony Building
- Check exhaust fan in 7th Ave. Tunnel
- Change from summer to winter steam meter at Bridgestone Arena
- Trouble shoot Gx Panel (5th & Broad)
- Worked with Hyatt Centric to establish meter connection
- Assisted TEG with review of repairs at Station 7-45
- Take photos of Station 7-45 repairs for TEG
- Assisted contractor at M/H 22B
- Reenergized steam to NPL
- Assisted contractors at M/H S6
- Assisted World Test check pipe thickness at M/H S6

#### **December 2021**

- Checked calibration on 6" RTD's for Fairlane Hotel
- Checked calibration on 4 1/2" RTD's for Cordell Hull
- Performed annual meter certification at Cordell Hull
- Checked calibration on 6" RTD's for James K. Polk
- Checked Condensate Tempering Stations
- Replaced gauge on State tunnel PRV Station
- Replaced sump pump float in M/H 9
- Replaced blower fan motor
- Installed trap in M/H 11
- Installed shield over disconnect in AAB Tunnel
- Pumped out steaming manholes
- Took water sample in M/H 22B
- Replaced condensate pump in State Tunnel
- Assisted contractor take UT readings in M/H 10
- Repositioned guide on steam line in State tunnel
- Assisted Colt Atlantic measure for clamp
- Replaced RTD's at Fairlane Hotel
- Worked on 5th & Broad meter issue
- Trouble shoot Gx Panels (5th & Broadway)
- Worked with Hyatt Centric to establish meter connection



- Assisted Superior with steam leak repair in 7th Ave. Tunnel
- Checked for Chilled Water Leak at M/H D
- Took photos in M/H S6, 10, 19 & 22B for TEG
- Assisted contractor remove insulation in M/H 5
- Assisted insulation contractor with access to M/H B2, B3, B4, B6, B9, 3 & 4

### **January 2022**

- Checked calibration on 6" RTD's for Municipal Auditorium
- Performed annual meter certification at Municipal Auditorium
- Performed annual meter certification at Sheraton Hotel
- Replaced sump pump float in M/H 9
- Checked sump pumps & pumped out steaming manholes
- Assisted JKP check steam leak
- Vent condensate pumps in M/H 18
- Reestablish comms with Ryman meter
- Assist C-Tech with 5th & Broad meter security issue
- Trouble shoot Gx Panels (Hermitage & City Space)
- Established comms with Hyatt Centric meter
- Assist MTI with Chilled Water leak repair at M/H D (EMR22-001)
- Repair damaged conduit at M/H D (EMR22-001)
- Drain section of Chilled Water system to repair leak at M/H D (EMR22-001)
- Line system back up (EMR22-001)
- Assisted TEG review M/H 18 and AAB Tunnel (EMR22-001)

### **February 2022**

- Checked calibration on 4 1/2" RTD's for Fairlane Hotel
- Performed annual meter certification at Fairlane Hotel
- Checked calibration on 6" RTD's for James K. Polk
- Performed annual meter certification at James K. Polk
- Performed annual meter certification at Metro Courthouse
- Performed annual meter certification at Hyatt Centric
- Performed annual meter certification at TN Tower
- Performed annual meter certification at Bridgestone Arena
- Performed annual meter certification at Nashville Public Library
- Cleared sump pump discharge line in M/H B2
- Replaced trap in State Tunnel at N-19
- Assist Superior replace trap in M/H 6
- Checked sump pumps & pumped out steaming manholes



- Install 6" PVC cap on vent line in M/H B
- Modify top of ladder in M/H B
- Cleaned M/H D3 vault
- Assisted Superior repair condensate leak in M/H 10
- Assisted World Testing check condensate line in M/H 10
- Assist C-Tech with 5th & Broad meter security issue
- Assist Colt Atlantic install clamp on CR flange in M/H 13
- Repaired steam leak at James K. Polk
- Checked lines in Indigo Hotel right-of-way
- Investigated chilled water leak at Municipal Auditorium
- Investigated leak at Renaissance Hotel (not DES)
- Took measurements of meter panel at Supreme Court for C-Tech
- Checked access platforms at Hyatt Centric Hotel
- Assisted TEG review M/H A, B & M (DES-152)
- Assisted TEG review M/H S6 (DES-161)
- Assisted TEG with access to M/H N1 (DES-143)
- Checked progress at M/H 11 (DES-179)
- Checked progress at 4th & Church (DES-188)
- Measure ladders in M/H B6 & N1 for TEG (DES-143)
- Repaired damaged conduit at M/H D (EMR22-001)

### **March 2022**

- Checked calibration on 4" RTD's for AAB
- Performed annual meter certification at AAB
- Checked calibration on 4" RTD's for State Library & Archives
- Performed annual meter certification at State Library & Archives
- Performed annual meter certification at Bobby Hotel
- Performed annual meter certification at Hermitage Hotel
- Performed annual meter certification at Citizens Plaza
- Performed annual meter certification at State Capitol
- Replaced sump pump float in M/H 10
- Replaced sump pump discharge line in M/H S5
- Checked sump pumps & pumped out steaming manholes
- Changed time on customer meter panels to DST
- Repair/Replace generator on EDS Service Truck
- Repaired sump pump in M/H 18
- Checked Nashville City Center meter
- Assisted C-Tech resolve 5th & Broad meter security issue





- Assisted TEG review M/H A, B & M (DES-152)
- Assisted TEG review M/H K (DES-154)
- Check progress at M/H 11 (DES-179)
- Check progress at 4th & Church (DES-188)
- M/H 20 Pre-bid Meeting (DES-191)
- Provide TEG data for M/H 18 Cond. Pumps (DES-198)
- Assisted contractor with access to M/H 3, 4, & 5 (DES-178/DES-189/DES-197)

### **April 2022**

- Performed annual meter certifications at War Memorial /Legislative Plaza
- Performed annual meter certification at DCDC (fka. CJC)
- Repaired sump pump in M/H 18
- Repaired sump pump switch in M/H B2
- Checked sump pumps & pumped out steaming manholes
- Assisted Superior repair steam leak in M/H 6
- Marked M/H lids for NPD prior to Rock and Roll Marathon
- Repaired condensate leak in pit outside Symphony
- Reset meter at City Space Office Tower
- Assisted contractor with access to M/H 18 for repair quote
- Assisted contractor with access to M/H D3 for project quote
- Assist MWS try to locate leak near JKP
- Assisted TEG review ladder installation at M/H D1
- Assisted C-Tech install new meter at Supreme Court
- Superior installed ladders in M/H N-1 and B6 (Amd 2)
- Assisted TEG review M/H 11 (DES-179)
- Checked insulation work in M/H 22B (DES-187)
- Assisted contractor clean out M/H 22B (DES-187)
- Check progress of 4th & Church pipe chase work (DES-188)
- Assist contractor access M/H 20 (DES-191)
- Assisted TEG access M/H 18 to take measurements (DES-198)
- Assisted TEG warranty review M/H B9, B10 & L (DES-182 & DES-153)
- Assisted TEG project review M/H K, 11 & 22B (DES-154, DES-179 & DES-187)

### **May 2022**

- Checked calibration on 6" RTD's for 5/3 Financial
- Checked calibration on 8" RTD's for Andrew Jackson Bldg.



- Checked calibration on 3" RTD's for Rachel Jackson Bldg.
- Performed annual meter certification at Renaissance Hotel
- Performed annual meter certification at Andrew Jackson & Rachel Jackson Buildings
- Replaced UPS on PRV at AJ
- Restored comms with Nashville City Center
- Reset meter at City Space Office Tower
- Replaced Cx Panel at City Space Office Tower
- State loop condensate return hard. Placed to drain.
- Investigate source of hardness
- Rebooted Hermitage Cx Panel
- Met with C-Tech install regarding new meter at Supreme Court
- Set up account for Supreme Court Meter
- Assisted Hyatt Place Hotel locate steam leak in garage
- Checked progress of 4th & Church pipe chase work (DES-188)
- Assisted TEG with project review & punch list (DES-188)
- Condensate line insulated in east leg of State Tunnel (Amd.2)

#### **June 2022**

- Checked calibration on 6" RTD's for 5/3 Financial
- Checked calibration on 8" RTD's for Nissan Stadium.
- Troubleshoot RTD's for Viridian
- Performed annual meter certification at 5/3 Financial
- Perform setup on spare CX Panel
- Assisted Superior replace condensate valve in State Tunnel
- Checked sump pumps & pumped out steaming manholes
- Restored comms with Hermitage Hotel
- Restored comms with Nashville City Center
- Restored comms with Parkway Tower
- Restored comms with 5/3 Financial
- State loop condensate return hard. Placed to drain.
- Investigate source of hardness in State Loop
- Restored steam service to the John Sevier Building
- Assisted TEG with review of MH's 2,3,4 & 10
- Conference call with Siemens regarding controls for MH 18 Condensate Pumps
- Assisted Proshot with warranty repairs in 4<sup>th</sup> Avenue Tunnel

Annual maintenance costs for EDS activities: \$279,552.58 (excludes salaried personnel & corporate overhead).



## **DES Projects**

Below is a brief description of the DES projects performed during FY22 in various stages of completion.

- DES-131.1 5<sup>th</sup> & Broadway Construction Related Costs**  
Metro is attempting to recover costs from Blasting Contractor
- DES-152 Manhole A, B and M Coating and Concrete Repairs**  
The Contractor began work on this project January 4, 2022, completed January 20, 2022 and a walkthrough was conducted February 7, 2022. A follow-up walkthrough, to review punch list items, was completed on March 2, 2022. No other punch list items found. Metro was invoiced.
- DES-154 Manhole K Coating, Floor Sealing and Repairs**  
The Contractor began work on this project January 31, 2022 and completed it on February 15, 2022. A walkthrough, to review punch list items, was completed on March 2, 2022. No other punch list items found. Metro was invoiced.
- DES-161 Manhole S6 Anchor Repairs**  
The contractor installed new anchors on December 7, 2021. The insulation was completed on December 22, 2021. The backup documentation has been approved and a final walkthrough was completed February 7, 2022. No punch list items were identified. Metro was invoiced.
- DES-171 Broadway Tunnel Pipe Support and Safety Repairs**  
The backup documentation for the two approved change order requests was submitted the first week of July 2021. This was approved and Metro was invoiced.
- DES-172 Viridian and 4<sup>th</sup> Avenue Tunnel Pipe Support Repairs**  
Ladder, pipe supports, coatings and Change Order #1 were completed in June 2021. A walkthrough was conducted on July 30, 2021. A punch list was generated as well as additional change order requests. Change Orders 2 – 5 were completed, the backup documentation was approved October 21, 2021 and CES invoiced Metro.
- DES-174 7<sup>th</sup> Avenue Tunnel Pipe Support Repairs**  
The completed platform and ladder at Station 7-22 and the new support table at Station 7-42 were reviewed July 30, 2021. Repairs at Station 7-45 were completed on November 19, 2021. The backup documentation was approved on November 29, 2021 and CES invoiced Metro.
- DES-177 Manhole B1 Ladder & Platform**  
A Pre-bid meeting was held on June 15, 2021, to review the Bid drawings and documents and visit the job site. Bids were received on June 25, 2021, from all 4 bidders. The project was awarded to S. M. Lawrence and the submittals were sent to TEG for review. CES is waiting on TEG/Metro to execute a contract for this project.



**DES-179 Manhole 11 Repairs**

A Pre-bid meeting was held on September 22, 2021, to review the bid drawings and visit the job site. Bids were received on October 4, 2021. CES's proposal was approved by Metro on November 29, 2021. The project was awarded to Superior Mechanical. The contractor began work on February 10, 2022. The original portion of the project is complete. TEG requested pricing on some additional insulation in the manhole as well as thickness testing on the condensate line on the west side of the manhole. The thickness testing has been completed and indicates the pipe is approximately 1/3 of original thickness. TEG also requested additional investigation of the concrete structure on the west wall of the manhole. Pay Applications 1, 2 and 3 were approved and Metro was invoiced.

**DES-182 Manhole B10 Expansion Joint Replacement**

Piping repairs in M/H B9 and M/H B10 have been completed. Insulation blankets in M/H B10 were installed July 30, 2021. A final walkthrough was conducted in early August 2021 and all punch list items were completed. Metro was invoiced.

**DES-185 Emergency Excavation and Condensate leak repair on 5th Avenue (M/H 10)**

(EMR21-001) The original portion of this project is completed in June 2021 and appeared in last year's Annual Report. The backfill, binder and concrete repairs to the manhole roof was completed on July 12, 2021. While reviewing this work, it was determined additional repairs were needed to the inside of the vault wall. This work was completed by the end of August 2021. The coating of the pipe support has been completed. Final milling and paving have been completed. The backup documentation was approved and a final invoice was sent to Metro.

**DES-186 Emergency Excavation and Condensate leak repair on Printer's Alley**

(EMR21-005) This project was carried over from FY21. The pipe repairs were completed in May 2021. The insulation was installed June 23, 2021. The excavation was backfilled on June 25, 2021. The backup documentation was approved on September 30, 2021. Metro was invoiced.

**DES-187 Exploratory Excavation & Steam Line Repair on 7th Ave (M/H 22B-NPL)**

(EMR21-008) Due to an excessive amount of water infiltrating Manhole 22B around the steam line casing, an exploratory excavation began in early June 2021. Utilities in the area required a lot of hand digging to remove the fill and concrete around the steam line. Ten feet of the steam line was exposed which showed deterioration of the outer casing in several locations. TEG requested the excavation be extended north to determine the extent of repairs required. It was decided that the steam and condensate lines needed to be replaced from M/H 22B to near the anchor on the steam line. TEG, CES and F. M. Sylvan personnel met to review the site and take measurements on July 23, 2021. The Contractor ordered the pre-insulated pipe on August 17, 2021 and it was delivered on October 18, 2021. After coordination with the customer, the installation began on October 25, 2021. The steam line was placed back in service on October 28, 2021. The condensate line and the field joints were completed the first week of November 2021 and condensate service was restored on November 9, 2021. The sidewalk, binder and



cold mix were installed on November 11, 2021. This project is complete and has been reviewed with no punch list items noted. Cost substantiation documentation was approved. Constellation invoiced Metro.

**DES-188 4<sup>th</sup> & Church Building Access Tunnel Repairs**

A Pre-bid meeting was held on September 22, 2021, to review the Bid drawings and visit the job site. Bids were received on October 11, 2021. CES sent the Proposal to TEG for approval on November 30, 2021, CES's Proposal was approved by Metro on December 1, 2021. This project was awarded to Nashville Machine. Nashville Machine began work February 1, 2022. All punch list items were completed on May 27, 2022. CES invoiced Metro on June 15, 2022.

**DES-190 Manhole 2 Sparge Tube & Trap Line Modifications**

This project was completed in FY 21 with the exception of insulation. The insulation was completed on August 18, 2021. A final walkthrough was completed in early October 2021 and CES invoiced Metro for the project.

**DES-191 Manhole 20 Repairs**

A Pre-bid Meeting was held on March 9, 2022. Bids were reviewed by TEG. Several questions were sent to the Contractors for clarification. This project was awarded to TN Underground and submittals were sent to TEG for review. Some submittals were sent back to Contractor to revise and re-submit. The project is expected to begin in early July 2022.

**DES-193 Manhole 13 Pipe Repairs**

The hanger was installed and an invoice was submitted to Metro April 20, 2022.

**DES-198 M/H 18 Condensate Return Pump Replacement**

CES was asked to order the pumps and VFD's due to long lead time which has been done. TEG issued preliminary drawings for the controls 5/27/22 and they are being reviewed by Siemens.

**DES-200 Chilled Water System Side Stream Filter**

CES was asked to submit a revised proposal that includes maintenance and a blow down water meter. CES has submitted a revised proposal that includes a blow down water meter. This proposal has been approved and the Contractor has begun fabrication of the unit. The lead times on the pumps and tanks for this unit are expected to be 12-14 weeks due to supply chain issues. The unit will then be assembled, powder coated, tested and delivered for installation.



## **EDS Emergency Repair Projects**

### **EMR22-001 Emergency Excavation and Chilled Water Leak Repair on 3<sup>rd</sup> Ave. (M/H D)**

Work began on January 4, 2022, to excavate and locate the source of a chilled water leak near Manhole D on 3<sup>rd</sup> Avenue North. The leak was located on January 13, 2022, and a partial chilled water interruption was scheduled for the following day. The leak was repaired on January 14, 2022. Chilled water makeup decreased from 100,000 gallons a day to less than 6,000 gallons per day. Substantial completion was achieved on this project January 14, 2022. While the excavation was open, TEG requested the abandoned steam line be removed and the manhole vault penetration be sealed. This was completed January 25, 2022. Pipe insulation was repaired February 18, 2022. The damaged conduit was repaired and the excavation was backfilled February 21, 2022. Final paving was completed the end of March. This project is complete. Constellation has invoiced Metro.



### *Outstanding Issues and Recommendations*

Each year CES meets with Metro representatives to discuss outstanding issues and project recommendations. Below is a list of those items.

#### **Outstanding Issues**

- State of Tennessee to complete repairs to their steam tunnel.
- Resolve issue regarding CES mark-up on DES project work.

#### **Recommendations for FY 23**

- Install electric hoist to access Broadway tunnel in 5<sup>th</sup> & Broadway parking garage
- Add expansion loops to steam and condensate lines in Broadway tunnel to allow access to tunnel from 5<sup>th</sup> & Broadway parking garage
- Build a maintenance platform under the 7<sup>th</sup> Avenue Tunnel exhaust fan
- Potential projects that should be customer funded:
  - Polisher on Condensate return system
  - Oxygen Trim on burners
  - Capacitor Bank on Electrical feed to plant





## *Sales and Marketing*

### **Sales and Marketing Review**

Due to the amount of development taking place south of Broadway, the potential exists for system expansion. Metro has actively begun to try and sell system remaining capacity.

The following table, furnished by Thermal Engineering Group, Inc. on May 15, 2019, indicates the remaining current system capacity. The table was re-evaluated September 14, 2021 and no changes were made.

| <b>System Capacity</b>                             |                      |               |
|--|----------------------|---------------|
| <b>Diversity Factor</b>                            | <b>66.54%</b>        | <b>74.60%</b> |
|  | Chilled Water (tons) | Steam (pph)   |
| Installed capacity including redundant equipment   | 23,400               | 260,000       |
| Installed capacity                                 | 20,800               | 195,000       |
| System losses                                      | 600                  | 19,430        |
| Max Allowable Customer Load                        | 20,200               | 166,433       |
| Maximum System Peaks                               | 18,584               | 148,065       |
| Net Undiversified Capacity Available for Sale      | 1,616                | 18,368        |
| <b>Net Diversified Capacity Available for Sale</b> | <b>2,429</b>         | <b>24,622</b> |
| Diversified Potential for Contract Capacities      | 34,328               | 331,948       |
| Contract Capacity for Existing Customers           | 30,359               | 284,616       |
| Potential Contract Capacity for Sale               | 3,969                | 47,332        |

Ongoing activities include the following:

- A Sales and Marketing Report is included in the Monthly Operations Report.
- CES participates in meetings and social events with business groups, engineers and developers throughout the year. They also provide presentations and tours of the EGF to point out the positive attributes of the system.
- Metro is pursuing development opportunities on the East Bank of the Cumberland River which include a new stadium for the Tennessee Titans, Oracle and the surrounding area.



*Utilities and Fuel Procurement*

During FY21-22, CES provided proactive support in the areas of fuel procurement and risk management. Natural gas and propane procurement recommendations were made in a collaborative effort with Metro, CES, Insight Sourcing Group and International FC Stone Financial Inc. and TEG. Procurement decisions were made based upon a matrix of pricing and consumption factors including but not limited to then-current pricing conditions, future pricing conditions, technical and fundamental pricing trends, consumption variances as a function of incremental demand and conservation and budgetary considerations.

All of the natural gas supply was procured from Constellation NewEnergy - Gas Division, LLC (CNEG) under the terms and conditions of an agreement between CNE and CNEG for a service period through June 2023. The costs include the amount paid to CNEG for the cost of gas (including transportation to the Nashville city gate), Piedmont for the cost of transportation from the city gate to the plant and the risk management fees, but it does not include the Fuel Efficiency Adjustment (FEA) or late fees.

The following is a report of the natural gas purchased in FY21-22:

**Natural Gas**

| Month        | Quantity (DT)     | Unit Cost        | Amount                 |
|--------------|-------------------|------------------|------------------------|
| July 2021    | 23116.00          | \$ 4.4320        | \$ 102,449.53          |
| August       | 25,517.42         | \$ 4.8477        | \$ 123,700.29          |
| September    | 30,657.61         | \$ 4.9846        | \$ 152,815.59          |
| October      | 37,627.51         | \$ 6.0133        | \$ 226,265.85          |
| November     | 59,950.09         | \$ 6.1711        | \$ 369,960.31          |
| December     | 56,728.50         | \$ 5.8943        | \$ 334,377.29          |
| January 2022 | 88,968.82         | \$ 4.5380        | \$ 403,739.19          |
| February     | 68,646.43         | \$ 5.8100        | \$ 398,835.42          |
| March        | 55,932.99         | \$ 4.8592        | \$ 271,787.79          |
| April        | 45,773.01         | \$ 5.4020        | \$ 247,267.15          |
| May          | 33,515.62         | \$ 6.8213        | \$ 228,621.22          |
| June         | 26,067.00         | \$ 7.7558        | \$ 202,170.44          |
|              |                   |                  |                        |
| <b>Total</b> | <b>552,500.80</b> | <b>\$ 5.5421</b> | <b>\$ 3,061,990.07</b> |



DES purchased 60,291 gallons of propane October 6, 2021. TARGA stored this propane at their facility in the event it would be needed for a natural gas curtailment. Since the plant did not have a natural gas curtailment, the propane was sold back to TARGA March 1, 2022.

The following is a report of propane used:

**Propane**

| Month        | Quantity (DT) | Unit Cost  | Amount    |
|--------------|---------------|------------|-----------|
| July 2021    | 0             | \$ -       | \$ -      |
| August       | 0             | \$ -       | \$ -      |
| September    | 0             | \$ -       | \$ -      |
| October      | 0             | \$ -       | \$ -      |
| November     | 0             | \$ -       | \$ -      |
| December     | 16            | \$ 10.1571 | \$ 162.51 |
| January 2022 | 0             | \$ -       | \$ -      |
| February     | 8             | \$ 10.1571 | \$ 81.26  |
| March        | 0             | \$ -       | \$ -      |
| April        | 0             | \$ -       | \$ -      |
| May          | 0             | \$ -       | \$ -      |
| June         | 0             | \$ -       | \$ -      |
|              |               |            |           |
| Total        | 24            | \$ 10.1571 | \$ 243.77 |



During FY21-22, electricity was purchased each month based on the Nashville Electric Service rate schedule. Quantities reported in the Monthly Reports are taken from plant meters. The difference between the plant meter readings and billed quantities have been reconciled in Appendix 4 and Exhibit 1 of this report.

### Electricity

| Month        | Quantity (Kwh)    | Unit Cost         | Amount                 |
|--------------|-------------------|-------------------|------------------------|
| July 2021    | 7,821,828         | \$ 0.08036        | \$ 628,557.47          |
| August       | 8,026,676         | \$ 0.07840        | \$ 629,254.51          |
| September    | 5,803,392         | \$ 0.08665        | \$ 502,886.37          |
| October      | 5,045,488         | \$ 0.08302        | \$ 418,886.38          |
| November     | 2,697,548         | \$ 0.08993        | \$ 242,591.17          |
| December     | 3,180,240         | \$ 0.08549        | \$ 271,884.33          |
| January 2022 | 2,259,964         | \$ 0.09850        | \$ 222,611.90          |
| February     | 2,179,492         | \$ 0.09955        | \$ 216,962.53          |
| March        | 3,006,752         | \$ 0.09178        | \$ 275,944.72          |
| April        | 3,606,176         | \$ 0.09533        | \$ 343,781.56          |
| May          | 5,714,072         | \$ 0.08545        | \$ 488,285.91          |
| June         | 7,262,528         | \$ 0.09414        | \$ 683,713.29          |
|              |                   |                   |                        |
| <b>Total</b> | <b>56,604,156</b> | <b>\$ 0.08701</b> | <b>\$ 4,925,360.14</b> |



The following table indicates the water purchased during FY21-22 based on the Metro Water Services rate schedule. The quantities in this table are from the actual water bills. They differ from those reported in the Monthly Reports because the Water Department's billing cycle is not based on the calendar month.

**Water & Sewer**

| Month        | Quantity (Kgal)    | Unit Cost         | Amount                 |
|--------------|--------------------|-------------------|------------------------|
| July 2021    | 18,255,688         | \$ 0.00650        | \$ 118,614.74          |
| August       | 19,839,952         | \$ 0.00649        | \$ 128,812.77          |
| September    | 18,940,856         | \$ 0.00649        | \$ 122,900.18          |
| October      | 15,063,224         | \$ 0.00650        | \$ 97,884.33           |
| November     | 11,840,092         | \$ 0.00652        | \$ 77,147.57           |
| December     | 10,289,488         | \$ 0.00652        | \$ 67,129.37           |
| January 2022 | 11,563,332         | \$ 0.00651        | \$ 75,329.41           |
| February     | 6,309,380          | \$ 0.00677        | \$ 42,706.20           |
| March        | 6,351,268          | \$ 0.00676        | \$ 42,933.67           |
| April        | 7,359,572          | \$ 0.00676        | \$ 49,760.21           |
| May          | 10,095,008         | \$ 0.00674        | \$ 68,066.95           |
| June         | 16,243,568         | \$ 0.00670        | \$ 108,827.84          |
|              |                    |                   |                        |
| <b>Total</b> | <b>152,151,428</b> | <b>\$ 0.00657</b> | <b>\$ 1,000,113.24</b> |



## *Financial Report*

The following is an explanation of the Appendices associated with this financial report.

### **Appendix 1 – Customer List**

This chart lists the number of customers served by the District Energy System (DES). The customers are sorted according to three categories:

- Private Customers
- State of Tennessee Customers
- Metropolitan Nashville (Metro) Customers

### **Appendix 2 – Revenues**

This chart summarizes the revenues charged per month by DES to each customer for FY21-22.

### **Appendix 3 – Customer Rate Reconciliation**

Monthly Reconciliation charts from July 2021 to June 2022 are found in this appendix. The final chart is a Summary Reconciliation table for FY21-22. These tables detail the amount allocable to customers to the amount allocated to customers. The difference in the allocable amount and the amount allocated to customers is paid by Metro and is called the Metro Funding Amount (MFA).

- **Facilities Capital Charge** – The debt service on revenue bonds issued for the project.
- **System Operator Charge** – Includes the system operator’s fee which is most of the operations and maintenance costs of the system.
- **EDS Improvements Charge** – Due to a CPI adjustment of 1.03%, \$210,595 was charged in FY21-22 for the annual repair and replacement fund.
- **Metro Incremental Administrative Charge** – Per the customer service agreement, these charges are the “actual, reasonable and necessary” cost over and above current Metro operating costs to manage the DES system and operator.
- **Pass Through Charges**
  - **Water Treatment & Chemicals** – actual costs of chemicals to treat water
  - **Engineering** – The engineering costs required for any non-capital projects, customer related issues, meetings, etc.
  - **Insurance** – The cost to maintain all-risk property insurance and business insurance policies.
  - **EDS Electricity** – The cost of electricity for tunnel lights and safety equipment.
  - **EDS Surcharge** – Surcharge to private customers only to cap their annual cost of any EDS repairs made by Metro (\$84,093).
  - **Water and Sewer** – Actual costs charged by Metro Water Services
- **Energy Charges**
  - **Electricity**
  - **Natural Gas**
  - **Propane**

### **Appendix 4 – CEPS Invoice Reconciliation (FEA)**

### **Exhibit 1 – Performance Guarantee Calculation**



# Appendix 1





### Metro Nashville District Energy System Customers

| Metro Nashville District Energy System Customers |  |       |                                  |       |                                     |
|--|--|-------|----------------------------------|-------|-------------------------------------|
| Private  |  | State |                                  | Metro |                                     |
| 1  | Bobby Hotel (fka Wells Fargo)                  | 20    | Andrew Jackson                   | 34    | A. A. Birch                         |
| 2  | Parkway Tower                                  | 21    | Cordell Hull                     | 35    | Metro Courthouse                    |
| 3  | Sheraton Hotel                                 | 22    | John Sevier                      | 36    | Municipal Auditorium                |
| 4  | Hermitage Hotel                                | 23    | War Memorial                     | 37    | Downtown Detention Center (fka CJC) |
| 5  | 501 Union Building                             | 24    | Library & Archives               | 38    | Bridgestone Arena                   |
| 6  | 4 <sup>th</sup> & Church Building              | 25    | Supreme Court                    | 39    | Nissan Stadium                      |
| 7  | Fifth-Third Financial Center                   | 26    | State Capitol                    | 40    | Hume-Fogg High School               |
| 8  | Renaissance Hotel                              | 27    | James K. Polk                    | 41    | Nashville Public Library            |
| 9  | City Space (fka Ren. Office Tower)             | 28    | Citizens Plaza                   | 42    | Music City Center                   |
| 10   | St. Mary's Catholic Church                     | 29    | Tennessee Tower                  |       |                                     |
| 11   | Nashville City Center                          | 30    | Tennessee State University       |       |                                     |
| 12   | Wildhorse Saloon                               | 31    | Tennessee Performing Arts Center |       |                                     |
| 13   | Ryman Auditorium                               | 32    | Legislative Plaza                |       |                                     |
| 14   | Schermerhorn Symphony Center                   | 33    | Rachael Jackson                  |       |                                     |
| 15   | Viridian Residential Tower                     |       |                                  |       |                                     |
| 16   | Hyatt Place Hotel                              |       |                                  |       |                                     |
| 17   | Fairlane Hotel (fka 401 Union)                 |       |                                  |       |                                     |
| 18   | 5 <sup>th</sup> & Broadway (fka Nash Conv Ctr) |       |                                  |       |                                     |
| 19   | Hyatt Centric Hotel                            |       |                                  |       |                                     |



# Appendix 2

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
Fiscal Year Ending June 30, 2022

| Customer No. | Customer Name                | July            | August          | September       | October         | November        | December        | January         | February        | March           | April           | May             | June (including True Up) | Total            |
|--------------|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------|------------------|
| 2            | A. A. Birch                  | \$ 51,601.73    | \$ 58,539.93    | \$ 56,202.21    | \$ 60,758.55    | \$ 53,098.93    | \$ 54,401.70    | \$ 47,094.95    | \$ 48,396.00    | \$ 47,364.21    | \$ 48,438.45    | \$ 50,721.72    | \$ 61,338.89             | \$ 637,957.27    |
| 4            | Metro Courthouse             | \$ 32,527.83    | \$ 32,837.37    | \$ 29,947.05    | \$ 29,181.26    | \$ 30,886.57    | \$ 29,849.99    | \$ 31,104.25    | \$ 30,013.65    | \$ 27,010.32    | \$ 28,411.10    | \$ 31,234.37    | \$ 34,056.79             | \$ 367,060.55    |
| 7            | Parkway Tower                | \$ 23,522.39    | \$ 25,192.83    | \$ 23,166.15    | \$ 22,422.12    | \$ 34,566.03    | \$ 32,407.14    | \$ 31,816.55    | \$ 33,209.55    | \$ 29,829.14    | \$ 28,653.69    | \$ 27,278.29    | \$ 26,958.12             | \$ 339,022.00    |
| 9            | Bobby Hotel                  | \$ 13,982.00    | \$ 13,943.78    | \$ 13,409.66    | \$ 11,964.25    | \$ 8,726.31     | \$ 8,599.97     | \$ 7,239.37     | \$ 7,439.68     | \$ 7,703.40     | \$ 8,824.19     | \$ 10,767.07    | \$ 13,211.69             | \$ 125,811.37    |
| 10           | Fairlane Hotel               | \$ 9,913.62     | \$ 10,157.80    | \$ 8,614.32     | \$ 7,590.38     | \$ 8,949.94     | \$ 8,291.40     | \$ 10,496.41    | \$ 10,447.70    | \$ 8,987.12     | \$ 9,132.25     | \$ 9,522.39     | \$ 11,321.16             | \$ 113,424.49    |
| 11           | Sheraton Hotel               | \$ 49,750.65    | \$ 50,219.43    | \$ 56,212.81    | \$ 57,862.92    | \$ 59,350.39    | \$ 56,118.98    | \$ 53,742.15    | \$ 52,426.34    | \$ 49,855.39    | \$ 52,362.86    | \$ 54,905.12    | \$ 59,154.65             | \$ 651,961.69    |
| 12           | Municipal Auditorium         | \$ 18,503.97    | \$ 23,538.36    | \$ 17,291.61    | \$ 19,428.38    | \$ 31,644.59    | \$ 25,423.97    | \$ 32,137.37    | \$ 31,227.37    | \$ 25,958.82    | \$ 20,610.86    | \$ 20,547.80    | \$ 25,821.37             | \$ 292,134.47    |
| 21           | Hermitage Hotel              | \$ 20,975.95    | \$ 21,464.51    | \$ 20,140.05    | \$ 19,134.84    | \$ 21,772.07    | \$ 23,602.36    | \$ 18,874.77    | \$ 22,451.25    | \$ 19,829.32    | \$ 19,553.44    | \$ 20,974.44    | \$ 26,663.71             | \$ 255,436.71    |
| 24           | Criminal Justice Center      | \$ 33,440.79    | \$ 34,096.64    | \$ 31,165.76    | \$ 30,921.31    | \$ 32,351.67    | \$ 33,199.21    | \$ 36,299.16    | \$ 36,507.99    | \$ 33,517.10    | \$ 31,435.79    | \$ 34,046.66    | \$ 37,943.95             | \$ 404,926.03    |
| 25           | 501 Union Building           | \$ 9,593.29     | \$ 9,375.71     | \$ 8,438.33     | \$ 7,830.36     | \$ 9,715.00     | \$ 10,355.84    | \$ 10,137.06    | \$ 9,772.02     | \$ 8,578.69     | \$ 8,865.12     | \$ 9,111.79     | \$ 10,737.68             | \$ 112,510.89    |
| 28           | 4th & Church Building        | \$ 42,103.60    | \$ 41,640.11    | \$ 36,448.35    | \$ 31,351.31    | \$ 36,416.88    | \$ 35,817.13    | \$ 41,728.53    | \$ 40,650.20    | \$ 38,120.69    | \$ 39,410.23    | \$ 36,073.37    | \$ 44,125.17             | \$ 463,885.57    |
| 29           | Fifth-Third Financial Center | \$ 38,419.41    | \$ 37,910.02    | \$ 34,409.59    | \$ 30,636.88    | \$ 25,889.35    | \$ 25,739.26    | \$ 22,868.37    | \$ 23,301.52    | \$ 26,014.29    | \$ 27,683.58    | \$ 31,208.92    | \$ 37,940.57             | \$ 362,021.76    |
| 32           | Renaissance Hotel            | \$ 99,974.53    | \$ 97,737.91    | \$ 94,809.29    | \$ 96,466.51    | \$ 91,613.51    | \$ 90,064.66    | \$ 88,036.31    | \$ 92,907.47    | \$ 88,076.70    | \$ 85,626.59    | \$ 101,709.55   | \$ 108,927.34            | \$ 1,135,950.37  |
| 33           | 5th & Broadway               | \$ 75,164.73    | \$ 72,880.83    | \$ 64,438.01    | \$ 57,701.70    | \$ 20,670.52    | \$ 25,660.36    | \$ 27,069.42    | \$ 36,879.95    | \$ 40,397.43    | \$ 47,228.62    | \$ 59,569.69    | \$ 74,288.17             | \$ 601,949.43    |
| 34           | Renaissance Office Tower     | \$ 13,572.70    | \$ 13,551.64    | \$ 11,796.22    | \$ 10,211.35    | \$ 9,071.44     | \$ 7,962.85     | \$ 8,954.20     | \$ 7,831.44     | \$ 7,772.17     | \$ 7,294.06     | \$ 10,478.01    | \$ 12,399.83             | \$ 120,895.91    |
| 35           | St. Mary's Catholic Church   | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51     | \$ 1,088.51              | \$ 13,062.12     |
| 36           | Nashville City Center        | \$ 35,702.43    | \$ 35,248.38    | \$ 31,530.37    | \$ 26,288.57    | \$ 20,294.19    | \$ 19,980.02    | \$ 19,732.43    | \$ 18,714.42    | \$ 20,595.52    | \$ 24,115.26    | \$ 28,810.16    | \$ 36,406.45             | \$ 317,418.20    |
| 38           | Wildhorse Saloon             | \$ 10,874.87    | \$ 11,417.76    | \$ 10,433.06    | \$ 9,386.38     | \$ 9,786.14     | \$ 9,936.73     | \$ 9,431.98     | \$ 10,228.59    | \$ 11,218.30    | \$ 12,023.19    | \$ 15,589.46    | \$ 18,398.37             | \$ 138,724.83    |
| 39           | Ryman Auditorium             | \$ 17,897.26    | \$ 17,909.19    | \$ 17,496.20    | \$ 17,846.25    | \$ 19,691.61    | \$ 18,946.65    | \$ 18,187.96    | \$ 17,890.34    | \$ 17,087.55    | \$ 17,951.46    | \$ 19,073.97    | \$ 21,393.24             | \$ 221,371.68    |
| 40           | Bridgestone Arena            | \$ 125,257.90   | \$ 141,508.66   | \$ 122,923.29   | \$ 138,625.19   | \$ 106,378.64   | \$ 90,353.03    | \$ 108,887.96   | \$ 97,682.59    | \$ 101,144.72   | \$ 114,770.81   | \$ 106,537.72   | \$ 112,269.26            | \$ 1,366,339.77  |
| 41           | Nissan Stadium               | \$ 67,222.42    | \$ 65,814.52    | \$ 55,684.95    | \$ 47,013.19    | \$ 34,404.11    | \$ 34,454.54    | \$ 27,080.00    | \$ 29,913.44    | \$ 33,493.06    | \$ 39,799.21    | \$ 53,122.78    | \$ 72,101.98             | \$ 560,104.20    |
| 43           | Hume-Fogg High School        | \$ 12,909.51    | \$ 11,975.27    | \$ 12,667.67    | \$ 12,834.43    | \$ 14,321.97    | \$ 13,008.60    | \$ 14,462.18    | \$ 15,416.24    | \$ 15,293.82    | \$ 16,493.89    | \$ 18,652.06    | \$ 18,751.02             | \$ 176,786.66    |
| 44           | Schermerhorn Symphony Center | \$ 33,885.50    | \$ 34,893.43    | \$ 32,620.62    | \$ 33,639.71    | \$ 28,733.30    | \$ 28,288.61    | \$ 32,452.61    | \$ 29,564.53    | \$ 26,983.16    | \$ 27,655.50    | \$ 32,877.17    | \$ 38,232.64             | \$ 379,826.78    |
| 45           | Nashville Public Library     | \$ 29,286.04    | \$ 29,048.08    | \$ 30,434.76    | \$ 31,003.22    | \$ 34,491.72    | \$ 37,734.97    | \$ 35,172.23    | \$ 31,928.06    | \$ 35,398.18    | \$ 34,215.44    | \$ 34,650.10    | \$ 35,948.34             | \$ 399,311.14    |
| 49           | Viridian Residential Tower   | \$ 23,456.09    | \$ 22,983.45    | \$ 21,672.05    | \$ 19,582.48    | \$ 17,167.21    | \$ 17,488.96    | \$ 16,754.84    | \$ 16,227.53    | \$ 16,994.85    | \$ 18,032.26    | \$ 20,148.56    | \$ 24,471.28             | \$ 234,979.56    |
| 50           | Music City Center            | \$ 243,248.65   | \$ 252,769.22   | \$ 234,021.71   | \$ 229,545.13   | \$ 220,987.32   | \$ 213,175.50   | \$ 224,006.91   | \$ 209,653.38   | \$ 200,746.03   | \$ 203,746.45   | \$ 246,217.04   | \$ 269,211.50            | \$ 2,747,328.84  |
| 51           | Hyatt Place Hotel            | \$ 21,749.36    | \$ 21,136.65    | \$ 19,954.13    | \$ 20,585.69    | \$ 19,290.54    | \$ 19,977.44    | \$ 18,874.95    | \$ 19,687.24    | \$ 20,070.53    | \$ 21,231.99    | \$ 22,756.81    | \$ 27,106.18             | \$ 252,421.51    |
| 52           | Hyatt Centric                | \$ 9,367.17     | \$ 10,928.74    | \$ 9,960.75     | \$ 8,630.86     | \$ 7,193.89     | \$ 7,390.56     | \$ 7,089.20     | \$ 7,223.22     | \$ 7,980.38     | \$ 8,169.89     | \$ 10,639.93    | \$ 13,568.94             | \$ 108,143.53    |
| 51           | State Government of TN       | \$ 461,366.66   | \$ 458,459.99   | \$ 456,048.05   | \$ 436,203.87   | \$ 461,581.08   | \$ 461,702.12   | \$ 477,574.02   | \$ 460,960.89   | \$ 409,496.98   | \$ 428,214.38   | \$ 456,957.46   | \$ 517,013.70            | \$ 5,485,579.20  |
|              | Grand Totals                 | \$ 1,626,359.56 | \$ 1,658,268.72 | \$ 1,563,025.53 | \$ 1,525,735.60 | \$ 1,470,133.43 | \$ 1,441,021.06 | \$ 1,478,394.65 | \$ 1,449,641.11 | \$ 1,376,606.38 | \$ 1,431,039.07 | \$ 1,575,270.92 | \$ 1,790,850.50          | \$ 18,386,346.53 |



# Appendix 3

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
Fiscal Year Ending June 30, 2022

| Customer Number | Customer Name                | Capacity        | Operating         | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering  | Insurance    | EDS Electricity | EDS Maint Costs Alloc | TIFS          | Electricity     | Natural Gas     | Propane   | Total             |
|-----------------|------------------------------|-----------------|-------------------|-----------------|-------------------|-----------------|--------------------|--------------|--------------|-----------------|-----------------------|---------------|-----------------|-----------------|-----------|-------------------|
| 2               | A. A. Birch                  | \$ 127,597.39   | \$ 170,469.72     | \$ 9,228.60     | \$ 14,383.27      | \$ 32,247.34    | \$ 7,338.56        | \$ 2,793.18  | \$ 1,136.40  | \$ 3,417.09     | \$ -                  | \$ 12,761.76  | \$ 171,537.30   | \$ 85,038.55    | \$ 8.11   | \$ 637,957.27     |
| 4               | Metro Courthouse             | \$ 60,404.48    | \$ 79,546.92      | \$ 4,306.32     | \$ 6,711.74       | \$ 22,426.34    | \$ 5,653.22        | \$ 1,312.74  | \$ 531.55    | \$ 1,594.52     | \$ -                  | \$ 1,086.95   | \$ 104,529.62   | \$ 78,950.11    | \$ 6.04   | \$ 367,060.55     |
| 7               | Parkway Tower                | \$ 55,068.90    | \$ 77,166.60      | \$ 4,177.56     | \$ 6,510.84       | \$ 19,762.11    | \$ 4,984.47        | \$ 1,235.35  | \$ 510.49    | \$ 1,546.83     | \$ 8,984.88           | \$ 1,885.63   | \$ 95,444.59    | \$ 61,736.92    | \$ 6.83   | \$ 339,022.00     |
| 9               | Bobby Hotel                  | \$ 20,298.05    | \$ 27,970.68      | \$ 1,514.16     | \$ 2,360.00       | \$ 7,926.22     | \$ 1,743.70        | \$ 451.39    | \$ 185.53    | \$ 560.67       | \$ 3,227.04           | \$ 784.88     | \$ 40,368.30    | \$ 18,419.49    | \$ 1.26   | \$ 125,811.37     |
| 10              | Fairlane Hotel               | \$ 21,052.98    | \$ 28,822.92      | \$ 1,560.36     | \$ 2,431.93       | \$ 5,751.95     | \$ 1,356.32        | \$ 466.62    | \$ 191.38    | \$ 577.77       | \$ 3,932.04           | \$ 2,212.18   | \$ 29,684.55    | \$ 15,382.02    | \$ 1.47   | \$ 113,424.49     |
| 11              | Sheraton Hotel               | \$ 116,196.91   | \$ 155,009.16     | \$ 8,391.60     | \$ 13,078.72      | \$ 33,226.66    | \$ 8,767.20        | \$ 2,541.67  | \$ 1,033.58  | \$ 3,107.22     | \$ 15,584.04          | \$ 6,767.63   | \$ 140,520.01   | \$ 147,725.72   | \$ 11.57  | \$ 651,961.69     |
| 12              | Municipal Auditorium         | \$ 58,310.86    | \$ 82,363.56      | \$ 4,458.84     | \$ 6,949.37       | \$ 9,567.62     | \$ 2,878.37        | \$ 1,313.42  | \$ 544.19    | \$ 1,651.02     | \$ -                  | \$ 1,787.27   | \$ 55,255.34    | \$ 67,046.90    | \$ 7.71   | \$ 292,134.47     |
| 21              | Hermitage Hotel              | \$ 56,125.21    | \$ 72,686.88      | \$ 3,934.92     | \$ 6,132.89       | \$ 11,535.70    | \$ 2,757.26        | \$ 1,209.59  | \$ 487.07    | \$ 1,457.04     | \$ 3,507.96           | \$ 4,173.11   | \$ 56,960.57    | \$ 34,464.16    | \$ 4.35   | \$ 255,436.71     |
| 24              | Criminal Justice Center      | \$ 94,902.94    | \$ 119,515.80     | \$ 6,470.16     | \$ 10,084.11      | \$ 13,059.07    | \$ 3,910.83        | \$ 2,017.13  | \$ 804.68    | \$ 2,395.70     | \$ -                  | \$ 1,972.76   | \$ 63,387.16    | \$ 86,398.76    | \$ 6.93   | \$ 404,926.03     |
| 25              | 501 Union Building           | \$ 22,128.91    | \$ 29,300.52      | \$ 1,586.28     | \$ 2,472.21       | \$ 5,211.28     | \$ 1,217.66        | \$ 482.19    | \$ 195.61    | \$ 587.33       | \$ 2,948.88           | \$ 1.23       | \$ 32,307.91    | \$ 14,069.09    | \$ 1.79   | \$ 112,510.89     |
| 28              | 4th & Church Building        | \$ 264,162.96   | \$ -              | \$ -            | \$ -              | \$ 21,150.36    | \$ 4,840.99        | \$ 1,583.02  | \$ 650.06    | \$ -            | \$ -                  | \$ -          | \$ 120,135.13   | \$ 51,357.55    | \$ 5.50   | \$ 463,885.57     |
| 29              | Fifth-Third Financial Center | \$ 67,626.74    | \$ 108,408.36     | \$ 5,868.84     | \$ 9,146.89       | \$ 17,562.48    | \$ 3,244.08        | \$ 1,630.07  | \$ 702.94    | \$ 2,173.06     | \$ 9,968.04           | \$ 7,957.73   | \$ 127,732.53   | \$ -            | \$ -      | \$ 362,021.76     |
| 32              | Renaissance Hotel            | \$ 175,307.82   | \$ 228,916.80     | \$ 12,392.52    | \$ 19,314.67      | \$ 72,907.59    | \$ 18,445.43       | \$ 3,793.74  | \$ 1,531.81  | \$ 4,588.69     | \$ 18,531.12          | \$ 1,205.58   | \$ 300,932.76   | \$ 278,059.97   | \$ 21.87  | \$ 1,135,950.37   |
| 33              | 5th & Broadway               | \$ 77,806.32    | \$ 124,726.80     | \$ 6,752.16     | \$ 10,523.77      | \$ 54,809.76    | \$ 10,035.99       | \$ 1,875.40  | \$ 808.76    | \$ 2,500.20     | \$ -                  | \$ 15,326.74  | \$ 296,783.53   | \$ -            | \$ -      | \$ 601,949.43     |
| 34              | Renaissance Office Tower     | \$ 16,533.82    | \$ 26,504.40      | \$ 1,434.84     | \$ 2,236.35       | \$ 11,552.11    | \$ 2,218.22        | \$ 398.50    | \$ 171.86    | \$ 531.29       | \$ 2,880.00           | \$ 1,214.63   | \$ 55,219.89    | \$ -            | \$ -      | \$ 120,895.91     |
| 35              | St. Mary's Catholic Church   | \$ 12,641.16    | \$ -              | \$ -            | \$ -              | \$ -            | \$ -               | \$ -         | \$ -         | \$ -            | \$ 420.96             | \$ -          | \$ -            | \$ -            | \$ -      | \$ 13,062.12      |
| 36              | Nashville City Center        | \$ 55,112.81    | \$ 88,348.20      | \$ 4,782.84     | \$ 7,454.30       | \$ 17,971.30    | \$ 3,303.69        | \$ 1,328.42  | \$ 572.87    | \$ 1,770.99     | \$ 9,546.96           | \$ 1,851.21   | \$ 125,374.61   | \$ -            | \$ -      | \$ 317,418.20     |
| 38              | Wildhorse Saloon             | \$ 20,516.65    | \$ 28,938.36      | \$ 1,566.60     | \$ 2,441.60       | \$ 9,262.61     | \$ 2,213.11        | \$ 461.81    | \$ 191.24    | \$ 580.06       | \$ 2,316.00           | \$ 2,561.20   | \$ 43,974.81    | \$ 23,699.21    | \$ 1.57   | \$ 138,724.83     |
| 39              | Ryman Auditorium             | \$ 21,166.44    | \$ 30,350.40      | \$ 1,643.04     | \$ 2,560.78       | \$ 17,932.67    | \$ 4,499.66        | \$ 480.47    | \$ 200.06    | \$ 608.41       | \$ 2,246.04           | \$ 413.65     | \$ 80,208.33    | \$ 59,057.32    | \$ 4.41   | \$ 221,371.68     |
| 40              | Bridgestone Arena            | \$ 227,948.87   | \$ 327,710.28     | \$ 17,740.92    | \$ 27,650.41      | \$ 90,156.44    | \$ 19,853.79       | \$ 5,182.03  | \$ 2,159.29  | \$ 6,569.03     | \$ -                  | \$ 1,851.21   | \$ 483,919.75   | \$ 155,590.70   | \$ 7.05   | \$ 1,366,339.77   |
| 41              | Nissan Stadium               | \$ 97,257.99    | \$ 155,908.56     | \$ 8,440.20     | \$ 13,154.72      | \$ 40,432.22    | \$ 7,255.62        | \$ 2,344.31  | \$ 1,010.94  | \$ 3,125.23     | \$ -                  | \$ 505.83     | \$ 230,668.58   | \$ -            | \$ -      | \$ 560,104.20     |
| 43              | Hume-Fogg High School        | \$ 32,389.94    | \$ 44,515.20      | \$ 2,409.84     | \$ 3,755.93       | \$ 6,285.05     | \$ 2,016.65        | \$ 719.39    | \$ 295.39    | \$ 892.30       | \$ -                  | \$ 4,291.14   | \$ 36,351.51    | \$ 42,861.56    | \$ 2.76   | \$ 176,786.66     |
| 44              | Schermerhorn Symphony Center | \$ 192,528.48   | \$ -              | \$ -            | \$ -              | \$ 17,667.50    | \$ 4,723.37        | \$ 1,132.09  | \$ 467.47    | \$ -            | \$ -                  | \$ -          | \$ 83,557.56    | \$ 79,745.88    | \$ 4.43   | \$ 379,826.78     |
| 45              | Nashville Public Library     | \$ 87,286.20    | \$ -              | \$ -            | \$ -              | \$ 39,256.82    | \$ 9,218.46        | \$ 1,793.09  | \$ 731.93    | \$ -            | \$ -                  | \$ -          | \$ 172,546.80   | \$ 88,469.61    | \$ 8.23   | \$ 399,311.14     |
| 49              | Viridian Residential Tower   | \$ 156,764.76   | \$ -              | \$ -            | \$ -              | \$ 9,885.58     | \$ 1,817.07        | \$ 800.21    | \$ 345.07    | \$ -            | \$ -                  | \$ 13,860.62  | \$ 51,506.25    | \$ -            | \$ -      | \$ 234,979.56     |
| 50              | Music City Center            | \$ 930,813.36   | \$ 117,094.08     | \$ -            | \$ 51,100.99      | \$ 158,652.59   | \$ 41,033.44       | \$ 13,061.76 | \$ 5,398.19  | \$ -            | \$ -                  | \$ 4,758.53   | \$ 779,596.27   | \$ 645,773.68   | \$ 45.95  | \$ 2,747,328.84   |
| 51              | Hyatt Place Hotel            | \$ 139,532.16   | \$ -              | \$ -            | \$ -              | \$ 9,104.18     | \$ 2,682.04        | \$ 916.76    | \$ 364.22    | \$ -            | \$ -                  | \$ 2,983.32   | \$ 42,441.43    | \$ 54,393.98    | \$ 3.42   | \$ 252,421.51     |
| 52              | Hyatt Centric                | \$ 57,352.76    | \$ -              | \$ -            | \$ -              | \$ 6,623.95     | \$ 1,257.65        | \$ 392.22    | \$ 171.86    | \$ -            | \$ -                  | \$ 2,998.74   | \$ 39,346.35    | \$ -            | \$ -      | \$ 108,143.53     |
| 51              | State Government of TN       | \$ 1,639,133.76 | \$ 1,352,761.08   | \$ -            | \$ -              | \$ 228,673.96   | \$ 59,514.84       | \$ -         | \$ 8,052.75  | \$ 24,199.82    | \$ -                  | \$ 49,426.86  | \$ 1,162,770.31 | \$ 960,963.88   | \$ 81.94  | \$ 5,485,579.20   |
|                 | Grand Totals                 | \$ 4,903,969.63 | \$ 3,477,035.28   | \$ 108,660.60   | \$ 220,455.49     | \$ 990,601.46   | \$ 238,781.69      | \$ 51,716.57 | \$ 29,447.19 | \$ 64,434.27    | \$ 84,093.96          | \$ 144,640.39 | \$ 5,023,061.75 | \$ 3,049,205.06 | \$ 243.19 | \$ 18,386,346.53  |
|                 | Rate Calculation Totals      | \$ 5,886,701.31 | \$ 4,776,452.76   | \$ 179,005.68   | \$ 278,992.02     | \$ 990,897.62   | \$ 238,901.56      | \$ 51,324.87 | \$ 29,475.28 | \$ 66,281.75    | \$ 84,093.96          | \$ 144,640.39 | \$ 5,023,771.52 | \$ 3,053,211.29 | \$ 243.77 | \$ 20,803,993.78  |
|                 | Deviation                    | \$ (982,731.68) | \$ (1,299,417.48) | \$ (70,345.08)  | \$ (58,536.53)    | \$ (296.16)     | \$ (119.87)        | \$ 391.70    | \$ (28.09)   | \$ (1,847.48)   | \$ -                  | \$ -          | \$ (709.77)     | \$ (4,006.23)   | \$ (0.58) | \$ (2,417,647.25) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
July, 2021

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS        | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|-------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 3,732.37     | \$ 633.40          | \$ 243.99   | \$ -      | \$ 224.80       | \$ -                  | \$ 604.89   | \$ 18,950.78  | \$ 249.00     | \$ -    | \$ 51,601.73    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 2,369.47     | \$ 484.14          | \$ 114.67   | \$ -      | \$ 104.90       | \$ -                  | \$ 104.76   | \$ 12,561.66  | \$ 4,134.87   | \$ -    | \$ 32,527.83    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,481.68     | \$ 249.41          | \$ 107.91   | \$ -      | \$ 101.76       | \$ 748.74             | \$ 231.84   | \$ 8,619.57   | \$ -          | \$ -    | \$ 23,522.39    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 1,192.64     | \$ 236.77          | \$ 39.43    | \$ -      | \$ 36.88        | \$ 268.92             | \$ -        | \$ 6,090.11   | \$ 1,746.29   | \$ -    | \$ 13,982.00    |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 707.18       | \$ 124.62          | \$ 40.76    | \$ -      | \$ 38.01        | \$ 327.67             | \$ 124.10   | \$ 3,765.59   | \$ 270.20     | \$ -    | \$ 9,913.62     |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 3,699.00     | \$ 769.21          | \$ 222.02   | \$ -      | \$ 204.42       | \$ 1,298.67           | \$ -        | \$ 11,920.21  | \$ 7,105.68   | \$ -    | \$ 49,750.65    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 684.57       | \$ 115.58          | \$ 114.73   | \$ -      | \$ 108.61       | \$ -                  | \$ -        | \$ 4,714.06   | \$ 16.82      | \$ -    | \$ 18,503.97    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 1,269.34     | \$ 227.19          | \$ 105.66   | \$ -      | \$ 95.86        | \$ 292.33             | \$ 264.16   | \$ 6,425.95   | \$ 656.02     | \$ -    | \$ 20,975.95    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 1,728.61     | \$ 340.98          | \$ 176.20   | \$ -      | \$ 157.61       | \$ -                  | \$ 361.67   | \$ 8,895.59   | \$ 2,424.23   | \$ -    | \$ 33,440.79    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 612.21       | \$ 104.45          | \$ 42.12    | \$ -      | \$ 38.64        | \$ 245.74             | \$ 1.23     | \$ 3,830.25   | \$ 67.90      | \$ -    | \$ 9,593.29     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 3,009.36     | \$ 506.55          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 16,435.83  | \$ -          | \$ -    | \$ 42,103.60    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 2,569.36     | \$ 432.49          | \$ 142.39   | \$ -      | \$ 142.96       | \$ 830.67             | \$ 146.55   | \$ 18,132.04  | \$ -          | \$ -    | \$ 38,419.41    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 8,965.34     | \$ 1,661.78        | \$ 331.39   | \$ -      | \$ 301.88       | \$ 1,544.26           | \$ -        | \$ 43,231.96  | \$ 7,401.74   | \$ -    | \$ 99,974.53    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 8,604.02     | \$ 1,448.28        | \$ 163.82   | \$ -      | \$ 164.48       | \$ -                  | \$ 1,011.67 | \$ 45,337.63  | \$ -          | \$ -    | \$ 75,164.73    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 1,344.40     | \$ 226.30          | \$ 34.81    | \$ -      | \$ 34.95        | \$ 240.00             | \$ 3.58     | \$ 7,771.26   | \$ -          | \$ -    | \$ 13,572.70    |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -        | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 2,611.68     | \$ 439.61          | \$ 116.04   | \$ -      | \$ 116.51       | \$ 795.58             | \$ -        | \$ 18,565.00  | \$ -          | \$ -    | \$ 35,702.43    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 977.19       | \$ 167.67          | \$ 40.34    | \$ -      | \$ 38.16        | \$ 193.00             | \$ 182.94   | \$ 4,639.05   | \$ 154.54     | \$ -    | \$ 10,874.87    |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,699.30     | \$ 338.95          | \$ 41.97    | \$ -      | \$ 40.03        | \$ 187.17             | \$ -        | \$ 8,353.12   | \$ 2,565.24   | \$ -    | \$ 17,897.26    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 8,891.72     | \$ 1,673.67        | \$ 452.66   | \$ -      | \$ 432.16       | \$ -                  | \$ -        | \$ 54,837.55  | \$ 8,579.15   | \$ -    | \$ 125,257.90   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 6,681.67     | \$ 1,124.70        | \$ 204.78   | \$ -      | \$ 205.60       | \$ -                  | \$ -        | \$ 35,962.12  | \$ -          | \$ -    | \$ 67,222.42    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 438.76       | \$ 100.15          | \$ 62.84    | \$ -      | \$ 58.70        | \$ -                  | \$ 236.06   | \$ 3,774.88   | \$ 1,274.63   | \$ -    | \$ 12,909.51    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 1,815.27     | \$ 434.04          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 9,264.47   | \$ 6,228.79   | \$ -    | \$ 33,885.50    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 3,523.73     | \$ 598.72          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 17,462.13  | \$ 270.98     | \$ -    | \$ 29,286.04    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 1,537.25     | \$ 258.76          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 731.57   | \$ 7,794.88   | \$ -          | \$ -    | \$ 23,456.09    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,914.23       | \$ 17,952.79    | \$ 3,604.28        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 100,078.12 | \$ 28,232.64  | \$ -    | \$ 243,248.65   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 1,105.30     | \$ 252.24          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 145.41   | \$ 5,329.36   | \$ 3,209.29   | \$ -    | \$ 21,749.36    |
| 52              | Hyatt Centric                | \$ 3,977.02    | \$ -            | \$ -            | \$ -              | \$ 637.69       | \$ 107.34          | \$ 28.53    | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 4,616.59   | \$ -          | \$ -    | \$ 9,367.17     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 25,852.07    | \$ 4,927.07        | \$ -        | \$ -      | \$ 1,592.07     | \$ -                  | \$ 2,382.06 | \$ 149,389.62 | \$ 27,899.20  | \$ -    | \$ 461,366.66   |
|                 | Grand Totals                 | \$ 407,557.08  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,184.46      | \$ 115,693.97   | \$ 21,588.35       | \$ 4,511.81 | \$ -      | \$ 4,238.99     | \$ 7,007.83           | \$ 6,532.49 | \$ 636,749.38 | \$ 102,487.21 | \$ -    | \$ 1,626,359.56 |
|                 | Rate Calculation Totals      | \$ 489,241.09  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 115,723.46   | \$ 21,593.30       | \$ 4,483.33 | \$ -      | \$ 4,360.58     | \$ 7,007.83           | \$ 6,532.49 | \$ 636,829.50 | \$ 102,487.20 | \$ -    | \$ 1,828,016.98 |
|                 | Deviation:                   | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,618.87)     | \$ (29.49)      | \$ (4.95)          | \$ 28.48    | \$ -      | \$ (121.59)     | \$ -                  | \$ -        | \$ (80.12)    | \$ 0.01       | \$ -    | \$ (201,657.42) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
August, 2021

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS        | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|-------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 4,723.25     | \$ 639.99          | \$ 243.99   | \$ -      | \$ 327.56       | \$ -                  | \$ 250.81   | \$ 23,249.62  | \$ 2,142.21   | \$ -    | \$ 58,539.93    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 2,519.85     | \$ 390.42          | \$ 114.67   | \$ -      | \$ 152.85       | \$ -                  | \$ 196.43   | \$ 12,494.38  | \$ 4,315.41   | \$ -    | \$ 32,837.37    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,742.06     | \$ 223.84          | \$ 107.91   | \$ -      | \$ 148.28       | \$ 748.74             | \$ 177.74   | \$ 10,062.78  | \$ -          | \$ -    | \$ 25,192.83    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 1,299.56     | \$ 191.80          | \$ 39.43    | \$ -      | \$ 53.75        | \$ 268.92             | \$ -        | \$ 6,111.93   | \$ 1,607.43   | \$ -    | \$ 13,943.78    |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 757.24       | \$ 100.90          | \$ 40.76    | \$ -      | \$ 55.39        | \$ 327.67             | \$ 134.89   | \$ 3,992.91   | \$ 232.55     | \$ -    | \$ 10,157.80    |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 3,907.37     | \$ 620.62          | \$ 222.02   | \$ -      | \$ 297.86       | \$ 1,298.67           | \$ -        | \$ 11,664.42  | \$ 7,677.03   | \$ -    | \$ 50,219.43    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 1,403.83     | \$ 180.74          | \$ 114.73   | \$ -      | \$ 158.27       | \$ -                  | \$ 168.61   | \$ 8,739.01   | \$ 23.57      | \$ -    | \$ 23,538.36    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 1,373.91     | \$ 190.87          | \$ 105.66   | \$ -      | \$ 139.67       | \$ 292.33             | \$ 292.26   | \$ 6,502.33   | \$ 928.04     | \$ -    | \$ 21,464.51    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 1,848.06     | \$ 283.76          | \$ 176.20   | \$ -      | \$ 229.65       | \$ -                  | \$ 328.79   | \$ 8,876.15   | \$ 2,998.13   | \$ -    | \$ 34,096.64    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 620.06       | \$ 79.67           | \$ 42.12    | \$ -      | \$ 56.30        | \$ 245.74             | \$ -        | \$ 3,681.07   | \$ -          | \$ -    | \$ 9,375.71     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 3,001.28     | \$ 385.64          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 16,101.33  | \$ -          | \$ -    | \$ 41,640.11    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 2,688.99     | \$ 345.52          | \$ 142.39   | \$ -      | \$ 208.31       | \$ 830.67             | \$ 190.52   | \$ 17,480.67  | \$ -          | \$ -    | \$ 37,910.02    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 9,410.19     | \$ 1,333.09        | \$ 331.39   | \$ -      | \$ 439.87       | \$ 1,544.26           | \$ -        | \$ 40,117.28  | \$ 8,025.65   | \$ -    | \$ 97,737.91    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 8,612.20     | \$ 1,106.61        | \$ 163.82   | \$ -      | \$ 239.67       | \$ -                  | \$ 1,079.11 | \$ 43,244.59  | \$ -          | \$ -    | \$ 72,880.83    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 1,437.24     | \$ 184.68          | \$ 34.81    | \$ -      | \$ 50.93        | \$ 240.00             | \$ 17.91    | \$ 7,668.67   | \$ -          | \$ -    | \$ 13,551.64    |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -        | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 2,776.69     | \$ 356.79          | \$ 116.04   | \$ -      | \$ 169.77       | \$ 795.58             | \$ -        | \$ 17,975.50  | \$ -          | \$ -    | \$ 35,248.38    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 1,052.97     | \$ 137.22          | \$ 40.34    | \$ -      | \$ 55.60        | \$ 193.00             | \$ 182.94   | \$ 5,149.74   | \$ 123.97     | \$ -    | \$ 11,417.76    |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,809.83     | \$ 271.29          | \$ 41.97    | \$ -      | \$ 58.32        | \$ 187.17             | \$ -        | \$ 8,360.35   | \$ 2,508.78   | \$ -    | \$ 17,909.19    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 11,668.62    | \$ 1,806.67        | \$ 452.66   | \$ -      | \$ 629.71       | \$ -                  | \$ -        | \$ 56,657.63  | \$ 19,902.38  | \$ -    | \$ 141,508.66   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 7,078.04     | \$ 909.48          | \$ 204.78   | \$ -      | \$ 299.59       | \$ -                  | \$ -        | \$ 34,279.08  | \$ -          | \$ -    | \$ 65,814.52    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 515.42       | \$ 73.55           | \$ 62.84    | \$ -      | \$ 85.54        | \$ -                  | \$ 328.79   | \$ 3,471.55   | \$ 474.09     | \$ -    | \$ 11,975.27    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 2,008.80     | \$ 367.35          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 9,300.53   | \$ 7,073.82   | \$ -    | \$ 34,893.43    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 3,700.59     | \$ 476.60          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 17,369.19  | \$ 71.22      | \$ -    | \$ 29,048.08    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 1,483.09     | \$ 190.57          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 836.08   | \$ 7,340.08   | \$ -          | \$ -    | \$ 22,983.45    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 19,414.15    | \$ 3,039.23        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ 1,221.22 | \$ 100,449.59 | \$ 35,269.58  | \$ -    | \$ 252,769.22   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 1,101.90     | \$ 183.71          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 117.27   | \$ 5,298.54   | \$ 2,727.47   | \$ -    | \$ 21,136.65    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 856.95       | \$ 110.11          | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 29.11    | \$ 5,045.42   | \$ -          | \$ -    | \$ 10,928.74    |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 26,980.01    | \$ 3,896.49        | \$ -        | \$ -      | \$ 2,319.79     | \$ -                  | \$ 2,048.50 | \$ 146,062.61 | \$ 27,828.02  | \$ -    | \$ 458,459.99   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 125,792.15   | \$ 18,077.21       | \$ 4,518.09 | \$ -      | \$ 6,176.68     | \$ 7,007.83           | \$ 7,600.98 | \$ 636,746.95 | \$ 123,929.35 | \$ -    | \$ 1,658,268.72 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 125,822.38   | \$ 18,081.05       | \$ 4,483.33 | \$ -      | \$ 6,353.84     | \$ 7,007.83           | \$ 7,600.98 | \$ 636,822.48 | \$ 123,929.35 | \$ -    | \$ 1,859,975.85 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (30.23)      | \$ (3.84)          | \$ 34.76    | \$ -      | \$ (177.16)     | \$ -                  | \$ -        | \$ (75.53)    | \$ -          | \$ -    | \$ (201,707.13) |



Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
September, 2021

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS        | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|-------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 4,525.65     | \$ 917.48          | \$ 243.99   | \$ -      | \$ 311.89       | \$ -                  | \$ 722.92   | \$ 18,945.83  | \$ 3,571.95   | \$ -    | \$ 56,202.21    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 2,428.09     | \$ 524.35          | \$ 114.67   | \$ -      | \$ 145.54       | \$ -                  | \$ 150.60   | \$ 9,888.52   | \$ 4,041.92   | \$ -    | \$ 29,947.05    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,700.29     | \$ 324.43          | \$ 107.91   | \$ -      | \$ 141.18       | \$ 748.74             | \$ 208.66   | \$ 7,953.46   | \$ -          | \$ -    | \$ 23,166.15    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 1,306.62     | \$ 277.32          | \$ 39.43    | \$ -      | \$ 51.17        | \$ 268.92             | \$ -        | \$ 5,240.92   | \$ 1,854.32   | \$ -    | \$ 13,409.66    |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 559.86       | \$ 110.24          | \$ 40.76    | \$ -      | \$ 52.73        | \$ 327.67             | \$ 183.45   | \$ 2,598.66   | \$ 225.46     | \$ -    | \$ 8,614.32     |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 4,230.57     | \$ 938.35          | \$ 222.02   | \$ -      | \$ 283.61       | \$ 1,298.67           | \$ -        | \$ 16,026.70  | \$ 8,681.45   | \$ -    | \$ 56,212.81    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 587.55       | \$ 112.32          | \$ 114.73   | \$ -      | \$ 150.69       | \$ -                  | \$ 185.47   | \$ 3,377.92   | \$ 13.33      | \$ -    | \$ 17,291.61    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 1,369.82     | \$ 268.94          | \$ 105.66   | \$ -      | \$ 132.99       | \$ 292.33             | \$ 359.70   | \$ 5,470.39   | \$ 500.78     | \$ -    | \$ 20,140.05    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 1,587.61     | \$ 346.26          | \$ 176.20   | \$ -      | \$ 218.67       | \$ -                  | \$ 147.96   | \$ 6,463.84   | \$ 2,869.32   | \$ -    | \$ 31,165.76    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 498.55       | \$ 95.13           | \$ 42.12    | \$ -      | \$ 53.61        | \$ 245.74             | \$ -        | \$ 2,852.43   | \$ -          | \$ -    | \$ 8,438.33     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 2,388.35     | \$ 455.72          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 11,452.42  | \$ -          | \$ -    | \$ 36,448.35    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 2,374.88     | \$ 453.15          | \$ 142.39   | \$ -      | \$ 198.34       | \$ 830.67             | \$ 468.96   | \$ 13,918.25  | \$ -          | \$ -    | \$ 34,409.59    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 9,249.96     | \$ 1,951.42        | \$ 331.39   | \$ -      | \$ 418.84       | \$ 1,544.26           | \$ -        | \$ 32,432.96  | \$ 12,344.28  | \$ -    | \$ 94,809.29    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 8,167.26     | \$ 1,558.40        | \$ 163.82   | \$ -      | \$ 228.20       | \$ -                  | \$ 1,399.47 | \$ 34,486.03  | \$ -          | \$ -    | \$ 64,438.01    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 1,284.27     | \$ 245.05          | \$ 34.81    | \$ -      | \$ 48.49        | \$ 240.00             | \$ 96.74    | \$ 5,929.46   | \$ -          | \$ -    | \$ 11,796.22    |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -        | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 2,394.30     | \$ 456.86          | \$ 116.04   | \$ -      | \$ 161.64       | \$ 795.58             | \$ 35.83    | \$ 14,512.11  | \$ -          | \$ -    | \$ 31,530.37    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 1,075.01     | \$ 207.76          | \$ 40.34    | \$ -      | \$ 52.94        | \$ 193.00             | \$ 206.55   | \$ 4,000.38   | \$ 175.10     | \$ -    | \$ 10,433.06    |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,934.68     | \$ 415.32          | \$ 41.97    | \$ -      | \$ 55.53        | \$ 187.17             | \$ -        | \$ 7,133.45   | \$ 3,056.60   | \$ -    | \$ 17,496.20    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 10,675.81    | \$ 2,248.18        | \$ 452.66   | \$ -      | \$ 599.58       | \$ -                  | \$ -        | \$ 44,576.61  | \$ 13,979.46  | \$ -    | \$ 122,923.29   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 6,012.61     | \$ 1,147.27        | \$ 204.78   | \$ -      | \$ 285.25       | \$ -                  | \$ 147.53   | \$ 24,843.96  | \$ -          | \$ -    | \$ 55,684.95    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 552.14       | \$ 126.06          | \$ 62.84    | \$ -      | \$ 81.45        | \$ -                  | \$ 354.08   | \$ 3,156.70   | \$ 1,370.91   | \$ -    | \$ 12,667.67    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 2,009.32     | \$ 472.34          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 8,106.58   | \$ 5,889.45   | \$ -    | \$ 32,620.62    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 4,101.07     | \$ 827.69          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 15,085.60  | \$ 2,989.92   | \$ -    | \$ 30,434.76    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 1,377.77     | \$ 262.89          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 1,058.16 | \$ 5,839.60   | \$ -          | \$ -    | \$ 21,672.05    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 19,303.58    | \$ 4,259.02        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 78,964.71  | \$ 38,118.95  | \$ -    | \$ 234,021.71   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 1,028.75     | \$ 239.23          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 220.47   | \$ 3,915.09   | \$ 2,842.83   | \$ -    | \$ 19,954.13    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 834.15       | \$ 159.16          | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 4,080.29   | \$ -          | \$ -    | \$ 9,960.75     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 26,713.43    | \$ 5,813.24        | \$ -        | \$ -      | \$ 2,208.83     | \$ -                  | \$ 2,996.97 | \$ 121,579.12 | \$ 47,411.89  | \$ -    | \$ 456,048.05   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 120,271.95   | \$ 25,213.58       | \$ 4,518.09 | \$ -      | \$ 5,881.17     | \$ 7,007.83           | \$ 8,943.52 | \$ 512,831.99 | \$ 149,937.92 | \$ -    | \$ 1,563,025.53 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 120,304.46   | \$ 25,220.21       | \$ 4,483.33 | \$ -      | \$ 6,049.71     | \$ 7,007.83           | \$ 8,943.52 | \$ 512,899.57 | \$ 149,964.46 | \$ -    | \$ 1,764,747.70 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (32.51)      | \$ (6.63)          | \$ 34.76    | \$ -      | \$ (168.54)     | \$ -                  | \$ -        | \$ (67.58)    | \$ (26.54)    | \$ -    | \$ (201,722.17) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
October, 2021

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS         | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|--------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 3,808.33     | \$ 813.19          | \$ 243.99   | \$ -      | \$ 303.42       | \$ -                  | \$ 752.43    | \$ 16,294.65  | \$ 11,580.04  | \$ -    | \$ 60,758.55    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 1,975.98     | \$ 416.42          | \$ 114.67   | \$ -      | \$ 141.59       | \$ -                  | \$ 150.60    | \$ 8,063.05   | \$ 5,665.59   | \$ -    | \$ 29,181.26    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,365.90     | \$ 245.15          | \$ 107.91   | \$ -      | \$ 137.35       | \$ 748.74             | \$ 270.48    | \$ 6,303.67   | \$ 1,261.44   | \$ -    | \$ 22,422.12    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 906.92       | \$ 185.73          | \$ 39.43    | \$ -      | \$ 49.79        | \$ 268.92             | \$ -         | \$ 3,877.33   | \$ 2,265.17   | \$ -    | \$ 11,964.25    |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 340.24       | \$ 62.07           | \$ 40.76    | \$ -      | \$ 51.30        | \$ 327.67             | \$ 213.12    | \$ 1,663.29   | \$ 376.44     | \$ -    | \$ 7,590.38     |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 3,314.35     | \$ 765.20          | \$ 222.02   | \$ -      | \$ 275.90       | \$ 1,298.67           | \$ 573.98    | \$ 13,227.66  | \$ 13,653.70  | \$ -    | \$ 57,862.92    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 708.49       | \$ 144.14          | \$ 114.73   | \$ -      | \$ 146.60       | \$ -                  | \$ 244.49    | \$ 3,610.17   | \$ 1,710.16   | \$ -    | \$ 19,428.38    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 993.17       | \$ 178.10          | \$ 105.66   | \$ -      | \$ 129.38       | \$ 292.33             | \$ 345.65    | \$ 4,543.66   | \$ 907.45     | \$ -    | \$ 19,134.84    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 1,092.29     | \$ 261.94          | \$ 176.20   | \$ -      | \$ 212.72       | \$ -                  | \$ 82.20     | \$ 4,633.44   | \$ 5,106.62   | \$ -    | \$ 30,921.31    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 373.56       | \$ 64.56           | \$ 42.12    | \$ -      | \$ 52.15        | \$ 245.74             | \$ -         | \$ 2,211.29   | \$ 190.19     | \$ -    | \$ 7,830.36     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 1,300.39     | \$ 219.01          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 7,373.58   | \$ 306.47     | \$ -    | \$ 31,351.31    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 1,712.53     | \$ 281.94          | \$ 142.39   | \$ -      | \$ 192.95       | \$ 830.67             | \$ 659.48    | \$ 10,793.97  | \$ -          | \$ -    | \$ 30,636.88    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 7,376.80     | \$ 1,562.69        | \$ 331.39   | \$ -      | \$ 407.45       | \$ 1,544.26           | \$ -         | \$ 27,052.39  | \$ 21,655.35  | \$ -    | \$ 96,466.51    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 6,642.52     | \$ 1,093.57        | \$ 163.82   | \$ -      | \$ 222.00       | \$ -                  | \$ 1,517.50  | \$ 29,627.46  | \$ -          | \$ -    | \$ 57,701.70    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 1,029.78     | \$ 169.53          | \$ 34.81    | \$ -      | \$ 47.17        | \$ 240.00             | \$ 121.82    | \$ 4,650.84   | \$ -          | \$ -    | \$ 10,211.35    |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -         | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 1,638.47     | \$ 269.74          | \$ 116.04   | \$ -      | \$ 157.25       | \$ 795.58             | \$ 59.72     | \$ 10,193.76  | \$ -          | \$ -    | \$ 26,288.57    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 784.90       | \$ 133.07          | \$ 40.34    | \$ -      | \$ 51.51        | \$ 193.00             | \$ 241.96    | \$ 3,220.31   | \$ 239.31     | \$ -    | \$ 9,386.38     |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,671.51     | \$ 347.82          | \$ 41.97    | \$ -      | \$ 54.02        | \$ 187.17             | \$ 19.39     | \$ 6,335.83   | \$ 4,517.06   | \$ -    | \$ 17,846.25    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 11,885.05    | \$ 2,279.14        | \$ 452.66   | \$ -      | \$ 583.29       | \$ -                  | \$ -         | \$ 52,980.02  | \$ 20,054.04  | \$ -    | \$ 138,625.19   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 3,936.83     | \$ 648.13          | \$ 204.78   | \$ -      | \$ 277.50       | \$ -                  | \$ 42.15     | \$ 18,860.25  | \$ -          | \$ -    | \$ 47,013.19    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 497.29       | \$ 123.03          | \$ 62.84    | \$ -      | \$ 79.23        | \$ -                  | \$ 383.59    | \$ 2,165.47   | \$ 2,559.49   | \$ -    | \$ 12,834.43    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 1,795.91     | \$ 402.42          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 8,659.90   | \$ 6,638.55   | \$ -    | \$ 33,639.71    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 3,542.13     | \$ 681.39          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 13,240.22  | \$ 6,109.00   | \$ -    | \$ 31,003.22    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 967.48       | \$ 159.28          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 1,254.12  | \$ 4,067.97   | \$ -          | \$ -    | \$ 19,582.48    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 16,086.34    | \$ 3,449.24        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 66,828.22  | \$ 49,805.88  | \$ -    | \$ 229,545.13   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 855.22       | \$ 211.19          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 276.75    | \$ 3,157.50   | \$ 4,377.27   | \$ -    | \$ 20,585.69    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 632.48       | \$ 104.13          | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 155.27    | \$ 2,851.83   | \$ -          | \$ -    | \$ 8,630.86     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 20,280.93    | \$ 4,369.76        | \$ -        | \$ -      | \$ 2,148.80     | \$ -                  | \$ 4,255.87  | \$ 91,718.64  | \$ 64,105.30  | \$ -    | \$ 436,203.87   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 97,515.79    | \$ 19,641.58       | \$ 4,518.09 | \$ -      | \$ 5,721.37     | \$ 7,007.83           | \$ 11,620.57 | \$ 428,206.37 | \$ 223,084.52 | \$ -    | \$ 1,525,735.60 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 97,539.51    | \$ 19,649.50       | \$ 4,483.33 | \$ -      | \$ 5,885.34     | \$ 7,007.83           | \$ 11,620.57 | \$ 428,259.78 | \$ 223,337.42 | \$ -    | \$ 1,727,657.89 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (23.72)      | \$ (7.92)          | \$ 34.76    | \$ -      | \$ (163.97)     | \$ -                  | \$ -         | \$ (53.41)    | \$ (252.90)   | \$ -    | \$ (201,922.29) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
November, 2021

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS         | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|--------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 2,073.87     | \$ 645.76          | \$ 243.99   | \$ -      | \$ 288.31       | \$ -                  | \$ 1,549.12  | \$ 8,295.15   | \$ 13,040.23  | \$ -    | \$ 53,098.93    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 2,177.96     | \$ 624.00          | \$ 114.67   | \$ -      | \$ 134.54       | \$ -                  | \$ 98.22     | \$ 5,781.48   | \$ 9,302.34   | \$ -    | \$ 30,886.57    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 2,454.88     | \$ 704.99          | \$ 107.91   | \$ -      | \$ 130.52       | \$ 748.74             | \$ 309.12    | \$ 7,509.04   | \$ 10,619.35  | \$ -    | \$ 34,566.03    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 375.29       | \$ 113.75          | \$ 39.43    | \$ -      | \$ 47.31        | \$ 268.92             | \$ 144.16    | \$ 1,258.87   | \$ 2,107.62   | \$ -    | \$ 8,726.31     |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 480.66       | \$ 136.47          | \$ 40.76    | \$ -      | \$ 48.75        | \$ 327.67             | \$ 267.08    | \$ 1,181.33   | \$ 1,951.73   | \$ -    | \$ 8,949.94     |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 2,913.58     | \$ 927.11          | \$ 222.02   | \$ -      | \$ 262.18       | \$ 1,298.67           | \$ 787.56    | \$ 8,475.25   | \$ 19,932.58  | \$ -    | \$ 59,350.39    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 950.46       | \$ 396.81          | \$ 114.73   | \$ -      | \$ 139.31       | \$ -                  | \$ 244.49    | \$ 2,896.21   | \$ 14,152.98  | \$ -    | \$ 31,644.59    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 954.59       | \$ 288.09          | \$ 105.66   | \$ -      | \$ 122.94       | \$ 292.33             | \$ 365.32    | \$ 2,743.11   | \$ 5,260.59   | \$ -    | \$ 21,772.07    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 694.23       | \$ 276.50          | \$ 176.20   | \$ -      | \$ 202.14       | \$ -                  | \$ 369.89    | \$ 2,019.91   | \$ 9,256.90   | \$ -    | \$ 32,351.67    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 442.75       | \$ 135.08          | \$ 42.12    | \$ -      | \$ 49.55        | \$ 245.74             | \$ -         | \$ 1,590.38   | \$ 2,558.63   | \$ -    | \$ 9,715.00     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 1,384.17     | \$ 420.10          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 4,641.37   | \$ 7,819.38   | \$ -    | \$ 36,416.88    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 1,234.15     | \$ 288.58          | \$ 142.39   | \$ -      | \$ 183.35       | \$ 830.67             | \$ 937.93    | \$ 6,249.33   | \$ -          | \$ -    | \$ 25,889.35    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 5,210.91     | \$ 1,601.00        | \$ 331.39   | \$ -      | \$ 387.17       | \$ 1,544.26           | \$ 456.66    | \$ 14,529.74  | \$ 31,016.20  | \$ -    | \$ 91,613.51    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 500.84       | \$ 117.11          | \$ 163.82   | \$ -      | \$ 210.95       | \$ -                  | \$ -         | \$ 1,242.97   | \$ -          | \$ -    | \$ 20,670.52    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 1,151.41     | \$ 269.23          | \$ 34.81    | \$ -      | \$ 44.83        | \$ 240.00             | \$ 125.40    | \$ 3,288.36   | \$ -          | \$ -    | \$ 9,071.44     |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -         | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 1,144.57     | \$ 267.63          | \$ 116.04   | \$ -      | \$ 149.43       | \$ 795.58             | \$ 226.92    | \$ 4,536.01   | \$ -          | \$ -    | \$ 20,294.19    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 649.58       | \$ 175.03          | \$ 40.34    | \$ -      | \$ 48.95        | \$ 193.00             | \$ 247.86    | \$ 2,072.81   | \$ 1,876.59   | \$ -    | \$ 9,786.14     |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,900.68     | \$ 529.68          | \$ 41.97    | \$ -      | \$ 51.33        | \$ 187.17             | \$ 77.56     | \$ 5,319.49   | \$ 6,912.25   | \$ -    | \$ 19,691.61    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 7,299.60     | \$ 1,873.99        | \$ 452.66   | \$ -      | \$ 554.27       | \$ -                  | \$ 245.89    | \$ 32,009.10  | \$ 13,552.14  | \$ -    | \$ 106,378.64   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 1,272.99     | \$ 297.66          | \$ 204.78   | \$ -      | \$ 263.69       | \$ -                  | \$ 21.08     | \$ 9,300.36   | \$ -          | \$ -    | \$ 34,404.11    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 595.90       | \$ 183.61          | \$ 62.84    | \$ -      | \$ 75.29        | \$ -                  | \$ 438.39    | \$ 2,412.38   | \$ 3,590.07   | \$ -    | \$ 14,321.97    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 1,391.78     | \$ 402.13          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 4,578.05   | \$ 6,218.41   | \$ -    | \$ 28,733.30    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 4,026.46     | \$ 1,074.91        | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 11,142.36  | \$ 10,817.51  | \$ -    | \$ 34,491.72    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 546.79       | \$ 127.85          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 1,450.07  | \$ 1,908.87   | \$ -          | \$ -    | \$ 17,167.21    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 13,033.26    | \$ 3,926.09        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ 694.83    | \$ 38,725.22  | \$ 71,232.47  | \$ -    | \$ 220,987.32   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 619.89       | \$ 202.94          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 229.85    | \$ 1,827.82   | \$ 4,702.28   | \$ -    | \$ 19,290.54    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 406.54       | \$ 95.06           | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 436.71    | \$ 1,368.43   | \$ -          | \$ -    | \$ 7,193.89     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 19,285.52    | \$ 5,996.85        | \$ -        | \$ -      | \$ 2,041.87     | \$ -                  | \$ 6,353.30  | \$ 57,985.78  | \$ 120,593.19 | \$ -    | \$ 461,581.08   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 75,173.31    | \$ 22,098.01       | \$ 4,518.09 | \$ -      | \$ 5,436.68     | \$ 7,007.83           | \$ 16,077.41 | \$ 244,889.18 | \$ 366,513.44 | \$ -    | \$ 1,470,133.43 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 75,197.25    | \$ 22,110.10       | \$ 4,483.33 | \$ -      | \$ 5,592.54     | \$ 7,007.83           | \$ 16,077.41 | \$ 244,927.54 | \$ 367,047.55 | \$ -    | \$ 1,672,318.16 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (23.94)      | \$ (12.09)         | \$ 34.76    | \$ -      | \$ (155.86)     | \$ -                  | \$ -         | \$ (38.36)    | \$ (534.11)   | \$ -    | \$ (202,184.73) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
December, 2021

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS         | Electricity   | Natural Gas   | Propane   | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|--------------|---------------|---------------|-----------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 2,189.48     | \$ 587.37          | \$ 243.99   | \$ -      | \$ 237.69       | \$ -                  | \$ 1,416.33  | \$ 10,732.31  | \$ 12,026.15  | \$ 5.88   | \$ 54,401.70    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 1,689.81     | \$ 442.13          | \$ 114.67   | \$ -      | \$ 110.91       | \$ -                  | \$ 72.03     | \$ 6,347.52   | \$ 8,415.44   | \$ 4.12   | \$ 29,849.99    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,780.43     | \$ 470.85          | \$ 107.91   | \$ -      | \$ 107.60       | \$ 748.74             | \$ 370.94    | \$ 7,579.70   | \$ 9,254.96   | \$ 4.53   | \$ 32,407.14    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 317.85       | \$ 89.35           | \$ 39.43    | \$ -      | \$ 39.00        | \$ 268.92             | \$ 130.81    | \$ 1,280.99   | \$ 2,061.65   | \$ 1.01   | \$ 8,599.97     |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 284.41       | \$ 76.39           | \$ 40.76    | \$ -      | \$ 40.19        | \$ 327.67             | \$ 232.01    | \$ 1,204.02   | \$ 1,569.69   | \$ 0.77   | \$ 8,291.40     |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 2,386.41     | \$ 688.79          | \$ 222.02   | \$ -      | \$ 216.13       | \$ 1,298.67           | \$ 146.83    | \$ 9,751.01   | \$ 16,869.43  | \$ 8.25   | \$ 56,118.98    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 481.22       | \$ 218.38          | \$ 114.73   | \$ -      | \$ 114.84       | \$ -                  | \$ 295.07    | \$ 1,890.43   | \$ 9,555.03   | \$ 4.67   | \$ 25,423.97    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 960.47       | \$ 268.67          | \$ 105.66   | \$ -      | \$ 101.35       | \$ 292.33             | \$ 331.60    | \$ 3,771.99   | \$ 6,127.85   | \$ 3.00   | \$ 23,602.36    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 731.11       | \$ 258.74          | \$ 176.20   | \$ -      | \$ 166.64       | \$ -                  | \$ 82.20     | \$ 3,562.07   | \$ 8,862.01   | \$ 4.34   | \$ 33,199.21    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 470.79       | \$ 125.79          | \$ 42.12    | \$ -      | \$ 40.85        | \$ 245.74             | \$ -         | \$ 2,231.55   | \$ 2,547.00   | \$ 1.25   | \$ 10,355.84    |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 1,213.11     | \$ 323.35          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 5,623.72   | \$ 6,501.91   | \$ 3.18   | \$ 35,817.13    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 945.60       | \$ 186.57          | \$ 142.39   | \$ -      | \$ 151.16       | \$ 830.67             | \$ 937.93    | \$ 6,521.99   | \$ -          | \$ -      | \$ 25,739.26    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 4,582.05     | \$ 1,278.32        | \$ 331.39   | \$ -      | \$ 319.18       | \$ 1,544.26           | \$ -         | \$ 16,489.82  | \$ 28,969.29  | \$ 14.17  | \$ 90,064.66    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 937.61       | \$ 185.00          | \$ 163.82   | \$ -      | \$ 173.91       | \$ -                  | \$ 3,035.00  | \$ 2,730.19   | \$ -          | \$ -      | \$ 25,660.36    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 928.64       | \$ 183.23          | \$ 34.81    | \$ -      | \$ 36.96        | \$ 240.00             | \$ 132.57    | \$ 2,489.24   | \$ -          | \$ -      | \$ 7,962.85     |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -         | \$ -          | \$ -          | \$ -      | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 836.73       | \$ 165.09          | \$ 116.04   | \$ -      | \$ 123.19       | \$ 795.58             | \$ 310.53    | \$ 4,574.85   | \$ -          | \$ -      | \$ 19,980.02    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 553.81       | \$ 136.87          | \$ 40.34    | \$ -      | \$ 40.35        | \$ 193.00             | \$ 259.66    | \$ 2,092.93   | \$ 2,136.74   | \$ 1.05   | \$ 9,936.73     |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,551.27     | \$ 385.24          | \$ 41.97    | \$ -      | \$ 42.32        | \$ 187.17             | \$ 58.17     | \$ 5,878.41   | \$ 6,127.62   | \$ 3.00   | \$ 18,946.65    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 4,242.48     | \$ 932.54          | \$ 452.66   | \$ -      | \$ 456.93       | \$ -                  | \$ 129.97    | \$ 26,354.18  | \$ 7,389.66   | \$ 3.62   | \$ 90,353.03    |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 1,717.58     | \$ 338.89          | \$ 204.78   | \$ -      | \$ 217.39       | \$ -                  | \$ 21.08     | \$ 8,911.27   | \$ -          | \$ -      | \$ 34,454.54    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 379.15       | \$ 122.32          | \$ 62.84    | \$ -      | \$ 62.07        | \$ -                  | \$ 442.60    | \$ 1,297.19   | \$ 3,677.14   | \$ 1.80   | \$ 13,008.60    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 1,155.71     | \$ 302.97          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 4,883.12   | \$ 5,801.04   | \$ 2.84   | \$ 28,288.61    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 3,658.48     | \$ 879.28          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 13,574.92  | \$ 12,185.85  | \$ 5.96   | \$ 37,734.97    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 515.28       | \$ 101.67          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 1,332.50  | \$ 2,405.88   | \$ -          | \$ -      | \$ 17,488.96    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 10,994.69    | \$ 2,991.13        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ 84.22     | \$ 42,086.57  | \$ 63,612.32  | \$ 31.12  | \$ 213,175.50   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 552.36       | \$ 171.08          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 206.39    | \$ 2,530.72   | \$ 4,806.78   | \$ 2.35   | \$ 19,977.44    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 364.76       | \$ 71.97           | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 427.01    | \$ 1,639.67   | \$ -          | \$ -      | \$ 7,390.56     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 16,769.54    | \$ 4,766.06        | \$ -        | \$ -      | \$ 1,683.31     | \$ -                  | \$ 4,547.53  | \$ 71,753.11  | \$ 112,802.83 | \$ 55.17  | \$ 461,702.12   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 63,190.83    | \$ 16,748.04       | \$ 4,518.09 | \$ -      | \$ 4,481.97     | \$ 7,007.83           | \$ 15,002.98 | \$ 270,189.37 | \$ 331,300.39 | \$ 162.08 | \$ 1,441,021.06 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 63,212.15    | \$ 16,763.77       | \$ 4,483.33 | \$ -      | \$ 4,610.44     | \$ 7,007.83           | \$ 15,002.98 | \$ 270,231.29 | \$ 332,201.85 | \$ 162.51 | \$ 1,643,550.76 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (21.32)      | \$ (15.73)         | \$ 34.76    | \$ -      | \$ (128.47)     | \$ -                  | \$ -         | \$ (41.92)    | \$ (901.46)   | \$ (0.43) | \$ (202,529.70) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
January, 2022

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS         | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|--------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 1,614.42     | \$ 417.70          | \$ 243.99   | \$ -      | \$ 155.11       | \$ -                  | \$ 1,490.10  | \$ 4,795.99   | \$ 11,415.14  | \$ -    | \$ 47,094.95    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 2,231.64     | \$ 492.68          | \$ 114.67   | \$ -      | \$ 72.38        | \$ -                  | \$ 117.86    | \$ 6,396.02   | \$ 9,025.64   | \$ -    | \$ 31,104.25    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 2,179.22     | \$ 492.71          | \$ 107.91   | \$ -      | \$ 70.22        | \$ 748.74             | \$ 316.85    | \$ 6,180.74   | \$ 9,738.68   | \$ -    | \$ 31,816.55    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 225.72       | \$ 56.20           | \$ 39.43    | \$ -      | \$ 25.45        | \$ 268.92             | \$ 176.20    | \$ 655.77     | \$ 1,420.72   | \$ -    | \$ 7,239.37     |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 424.46       | \$ 117.54          | \$ 40.76    | \$ -      | \$ 26.23        | \$ 327.67             | \$ 232.01    | \$ 1,195.69   | \$ 3,616.56   | \$ -    | \$ 10,496.41    |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 2,540.24     | \$ 639.42          | \$ 222.02   | \$ -      | \$ 141.05       | \$ 1,298.67           | \$ 1,228.05  | \$ 6,601.39   | \$ 16,539.87  | \$ -    | \$ 53,742.15    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 943.52       | \$ 349.87          | \$ 114.73   | \$ -      | \$ 74.95        | \$ -                  | \$ -         | \$ 2,803.28   | \$ 15,101.42  | \$ -    | \$ 32,137.37    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 863.98       | \$ 180.22          | \$ 105.66   | \$ -      | \$ 66.14        | \$ 292.33             | \$ 348.46    | \$ 2,723.20   | \$ 2,655.34   | \$ -    | \$ 18,874.77    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 1,103.47     | \$ 327.02          | \$ 176.20   | \$ -      | \$ 108.75       | \$ -                  | \$ 41.10     | \$ 4,074.94   | \$ 11,111.78  | \$ -    | \$ 36,299.16    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 430.10       | \$ 107.87          | \$ 42.12    | \$ -      | \$ 26.66        | \$ 245.74             | \$ -         | \$ 1,864.87   | \$ 2,768.95   | \$ -    | \$ 10,137.06    |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 1,448.81     | \$ 395.13          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 5,872.40   | \$ 11,860.33  | \$ -    | \$ 41,728.53    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 649.96       | \$ 110.52          | \$ 142.39   | \$ -      | \$ 98.64        | \$ 830.67             | \$ 1,113.79  | \$ 3,899.45   | \$ -          | \$ -    | \$ 22,868.37    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 4,334.81     | \$ 1,182.99        | \$ 331.39   | \$ -      | \$ 208.29       | \$ 1,544.26           | \$ -         | \$ 8,351.21   | \$ 35,547.18  | \$ -    | \$ 88,036.31    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 2,707.56     | \$ 460.38          | \$ 163.82   | \$ -      | \$ 113.49       | \$ -                  | \$ -         | \$ 5,189.34   | \$ -          | \$ -    | \$ 27,069.42    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 1,088.22     | \$ 185.04          | \$ 34.81    | \$ -      | \$ 24.12        | \$ 240.00             | \$ 154.07    | \$ 3,310.54   | \$ -          | \$ -    | \$ 8,954.20     |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -         | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 845.56       | \$ 143.77          | \$ 116.04   | \$ -      | \$ 80.39        | \$ 795.58             | \$ 561.33    | \$ 4,131.75   | \$ -          | \$ -    | \$ 19,732.43    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 590.29       | \$ 125.32          | \$ 40.34    | \$ -      | \$ 26.33        | \$ 193.00             | \$ 283.27    | \$ 1,703.15   | \$ 1,988.30   | \$ -    | \$ 9,431.98     |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,507.16     | \$ 338.83          | \$ 41.97    | \$ -      | \$ 27.61        | \$ 187.17             | \$ 84.02     | \$ 4,747.94   | \$ 6,581.78   | \$ -    | \$ 18,187.96    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 7,242.19     | \$ 1,460.36        | \$ 452.66   | \$ -      | \$ 298.19       | \$ -                  | \$ 562.04    | \$ 30,231.14  | \$ 18,250.39  | \$ -    | \$ 108,887.96   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 820.33       | \$ 139.48          | \$ 204.78   | \$ -      | \$ 141.86       | \$ -                  | \$ 42.15     | \$ 2,687.85   | \$ -          | \$ -    | \$ 27,080.00    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 589.96       | \$ 150.73          | \$ 62.84    | \$ -      | \$ 40.50        | \$ -                  | \$ 442.60    | \$ 2,193.43   | \$ 4,018.63   | \$ -    | \$ 14,462.18    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 1,828.44     | \$ 419.06          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 5,439.48   | \$ 8,622.70   | \$ -    | \$ 32,452.61    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 3,893.08     | \$ 796.70          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 12,310.99  | \$ 10,740.98  | \$ -    | \$ 35,172.23    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 459.85       | \$ 78.19           | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 1,502.33  | \$ 1,580.84   | \$ -          | \$ -    | \$ 16,754.84    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 12,569.39    | \$ 3,118.73        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ 1,382.64  | \$ 35,319.49  | \$ 78,241.21  | \$ -    | \$ 224,006.91   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 541.22       | \$ 149.93          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 469.08    | \$ 1,390.57   | \$ 4,616.39   | \$ -    | \$ 18,874.95    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 341.68       | \$ 58.10           | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 460.97    | \$ 1,341.30   | \$ -          | \$ -    | \$ 7,089.20     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 21,175.52    | \$ 5,273.51        | \$ -        | \$ -      | \$ 1,098.49     | \$ -                  | \$ 4,133.39  | \$ 63,208.62  | \$ 133,359.92 | \$ -    | \$ 477,574.02   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 75,190.80    | \$ 17,768.00       | \$ 4,518.09 | \$ -      | \$ 2,924.85     | \$ 7,007.83           | \$ 15,142.31 | \$ 230,201.38 | \$ 397,221.91 | \$ -    | \$ 1,478,394.65 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 75,228.58    | \$ 17,784.12       | \$ 4,483.33 | \$ -      | \$ 3,008.72     | \$ 7,007.83           | \$ 15,142.31 | \$ 230,251.53 | \$ 397,971.39 | \$ -    | \$ 1,680,752.42 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (37.78)      | \$ (16.12)         | \$ 34.76    | \$ -      | \$ (83.87)      | \$ -                  | \$ -         | \$ (50.15)    | \$ (749.48)   | \$ -    | \$ (202,357.77) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
February, 2022

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS         | Electricity   | Natural Gas   | Propane   | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|--------------|---------------|---------------|-----------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 1,005.55     | \$ 493.86          | \$ 243.99   | \$ -      | \$ 214.68       | \$ -                  | \$ 1,490.10  | \$ 7,046.08   | \$ 10,937.01  | \$ 2.23   | \$ 48,396.00    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 1,232.51     | \$ 529.01          | \$ 114.67   | \$ -      | \$ 100.18       | \$ -                  | \$ 98.22     | \$ 5,879.74   | \$ 9,404.04   | \$ 1.92   | \$ 30,013.65    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,499.70     | \$ 640.46          | \$ 107.91   | \$ -      | \$ 97.18        | \$ 748.74             | \$ -         | \$ 6,858.64   | \$ 11,273.14  | \$ 2.30   | \$ 33,209.55    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 148.01       | \$ 65.60           | \$ 39.43    | \$ -      | \$ 35.22        | \$ 268.92             | \$ 162.85    | \$ 1,110.34   | \$ 1,238.10   | \$ 0.25   | \$ 7,439.68     |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 302.12       | \$ 150.69          | \$ 40.76    | \$ -      | \$ 36.30        | \$ 327.67             | \$ 215.82    | \$ 1,451.39   | \$ 3,406.76   | \$ 0.70   | \$ 10,447.70    |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 1,345.15     | \$ 692.00          | \$ 222.02   | \$ -      | \$ 195.21       | \$ 1,298.67           | \$ 1,228.05  | \$ 6,634.76   | \$ 16,275.72  | \$ 3.32   | \$ 52,426.34    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 589.52       | \$ 450.75          | \$ 114.73   | \$ -      | \$ 103.73       | \$ -                  | \$ 210.76    | \$ 2,139.43   | \$ 14,865.81  | \$ 3.04   | \$ 31,227.37    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 527.99       | \$ 275.97          | \$ 105.66   | \$ -      | \$ 91.54        | \$ 292.33             | \$ 376.56    | \$ 2,523.97   | \$ 6,616.44   | \$ 1.35   | \$ 22,451.25    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 672.88       | \$ 432.35          | \$ 176.20   | \$ -      | \$ 150.51       | \$ -                  | \$ 131.52    | \$ 2,924.64   | \$ 12,661.40  | \$ 2.59   | \$ 36,507.99    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 234.54       | \$ 116.68          | \$ 42.12    | \$ -      | \$ 36.90        | \$ 245.74             | \$ -         | \$ 1,815.98   | \$ 2,628.77   | \$ 0.54   | \$ 9,772.02     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 963.30       | \$ 490.26          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 5,665.53   | \$ 11,376.93  | \$ 2.32   | \$ 40,650.20    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 498.06       | \$ 141.31          | \$ 142.39   | \$ -      | \$ 136.52       | \$ 830.67             | \$ 1,011.20  | \$ 4,518.42   | \$ -          | \$ -      | \$ 23,301.52    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 2,788.08     | \$ 1,510.43        | \$ 331.39   | \$ -      | \$ 288.28       | \$ 1,544.26           | \$ 54.80     | \$ 12,120.84  | \$ 37,725.51  | \$ 7.70   | \$ 92,907.47    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 1,812.13     | \$ 514.12          | \$ 163.82   | \$ -      | \$ 157.08       | \$ -                  | \$ 1,888.44  | \$ 13,909.53  | \$ -          | \$ -      | \$ 36,879.95    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 563.88       | \$ 159.98          | \$ 34.81    | \$ -      | \$ 33.38        | \$ 240.00             | \$ 139.74    | \$ 2,742.25   | \$ -          | \$ -      | \$ 7,831.44     |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -         | \$ -          | \$ -          | \$ -      | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 495.37       | \$ 140.54          | \$ 116.04   | \$ -      | \$ 111.26       | \$ 795.58             | \$ 525.50    | \$ 3,472.12   | \$ -          | \$ -      | \$ 18,714.42    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 361.33       | \$ 151.49          | \$ 40.34    | \$ -      | \$ 36.45        | \$ 193.00             | \$ 265.56    | \$ 2,129.83   | \$ 2,568.09   | \$ 0.52   | \$ 10,228.59    |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 933.54       | \$ 396.29          | \$ 41.97    | \$ -      | \$ 38.23        | \$ 187.17             | \$ 77.56     | \$ 4,650.74   | \$ 6,891.95   | \$ 1.41   | \$ 17,890.34    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 4,378.62     | \$ 1,562.21        | \$ 452.66   | \$ -      | \$ 412.70       | \$ -                  | \$ 632.29    | \$ 23,072.44  | \$ 16,777.25  | \$ 3.43   | \$ 97,682.59    |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 502.70       | \$ 142.62          | \$ 204.78   | \$ -      | \$ 196.34       | \$ -                  | \$ 21.08     | \$ 5,802.37   | \$ -          | \$ -      | \$ 29,913.44    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 405.31       | \$ 204.24          | \$ 62.84    | \$ -      | \$ 56.06        | \$ -                  | \$ 392.02    | \$ 2,651.12   | \$ 4,680.20   | \$ 0.96   | \$ 15,416.24    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 862.68       | \$ 393.14          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 4,383.28   | \$ 7,780.91   | \$ 1.59   | \$ 29,564.53    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 2,161.87     | \$ 825.47          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 10,384.59  | \$ 11,123.38  | \$ 2.27   | \$ 31,928.06    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 232.07       | \$ 65.84           | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 1,502.33  | \$ 1,293.66   | \$ -          | \$ -      | \$ 16,227.53    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 6,575.29     | \$ 3,250.74        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ 1,375.62  | \$ 32,420.03  | \$ 72,641.42  | \$ 14.83  | \$ 209,653.38   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 389.49       | \$ 210.27          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 422.17    | \$ 1,725.05   | \$ 5,231.43   | \$ 1.07   | \$ 19,687.24    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 289.18       | \$ 82.04           | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 402.74    | \$ 1,562.11   | \$ -          | \$ -      | \$ 7,223.22     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 11,458.38    | \$ 5,751.21        | \$ -        | \$ -      | \$ 1,520.36     | \$ -                  | \$ 6,247.69  | \$ 55,516.73  | \$ 131,115.18 | \$ 26.77  | \$ 460,960.89   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 43,229.25    | \$ 19,839.57       | \$ 4,518.09 | \$ -      | \$ 4,048.11     | \$ 7,007.83           | \$ 18,872.62 | \$ 226,405.61 | \$ 397,219.44 | \$ 81.11  | \$ 1,449,641.11 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 43,251.29    | \$ 19,860.20       | \$ 4,483.33 | \$ -      | \$ 4,164.17     | \$ 7,007.83           | \$ 18,872.62 | \$ 226,449.35 | \$ 397,975.47 | \$ 81.26  | \$ 1,652,020.13 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (22.04)      | \$ (20.63)         | \$ 34.76    | \$ -      | \$ (116.06)     | \$ -                  | \$ -         | \$ (43.74)    | \$ (756.03)   | \$ (0.15) | \$ (202,379.02) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
March, 2022

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS         | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|--------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 1,182.52     | \$ 453.34          | \$ 243.99   | \$ -      | \$ 333.97       | \$ -                  | \$ 1,445.84  | \$ 8,690.81   | \$ 8,051.24   | \$ -    | \$ 47,364.21    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 1,048.24     | \$ 385.07          | \$ 114.67   | \$ -      | \$ 155.84       | \$ -                  | \$ 58.93     | \$ 6,317.93   | \$ 6,276.28   | \$ -    | \$ 27,010.32    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,277.29     | \$ 469.92          | \$ 107.91   | \$ -      | \$ 151.18       | \$ 748.74             | \$ -         | \$ 7,408.18   | \$ 7,684.44   | \$ -    | \$ 29,829.14    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 224.30       | \$ 75.37           | \$ 39.43    | \$ -      | \$ 54.80        | \$ 268.92             | \$ 117.47    | \$ 1,569.19   | \$ 982.96     | \$ -    | \$ 7,703.40     |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 296.26       | \$ 107.74          | \$ 40.76    | \$ -      | \$ 56.47        | \$ 327.67             | \$ 191.54    | \$ 1,733.45   | \$ 1,717.74   | \$ -    | \$ 8,987.12     |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 1,325.37     | \$ 566.08          | \$ 222.02   | \$ -      | \$ 303.68       | \$ 1,298.67           | \$ 1,134.61  | \$ 8,477.08   | \$ 11,996.44  | \$ -    | \$ 49,855.39    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 547.25       | \$ 303.80          | \$ 114.73   | \$ -      | \$ 161.36       | \$ -                  | \$ 59.01     | \$ 3,477.76   | \$ 8,545.31   | \$ -    | \$ 25,958.82    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 459.76       | \$ 185.63          | \$ 105.66   | \$ -      | \$ 142.40       | \$ 292.33             | \$ 438.39    | \$ 2,954.92   | \$ 3,610.79   | \$ -    | \$ 19,829.32    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 635.56       | \$ 348.54          | \$ 176.20   | \$ -      | \$ 234.14       | \$ -                  | \$ -         | \$ 3,062.28   | \$ 9,704.48   | \$ -    | \$ 33,517.10    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 232.40       | \$ 89.68           | \$ 42.12    | \$ -      | \$ 57.41        | \$ 245.74             | \$ -         | \$ 1,648.03   | \$ 1,612.56   | \$ -    | \$ 8,578.69     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 1,093.32     | \$ 413.80          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 7,291.42   | \$ 7,170.29   | \$ -    | \$ 38,120.69    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 665.34       | \$ 166.70          | \$ 142.39   | \$ -      | \$ 212.39       | \$ 830.67             | \$ 864.65    | \$ 7,109.20   | \$ -          | \$ -    | \$ 26,014.29    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 3,106.42     | \$ 1,299.39        | \$ 331.39   | \$ -      | \$ 448.47       | \$ 1,544.26           | \$ 383.59    | \$ 17,714.38  | \$ 26,712.62  | \$ -    | \$ 88,076.70    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 2,185.56     | \$ 547.60          | \$ 163.82   | \$ -      | \$ 244.36       | \$ -                  | \$ 1,804.14  | \$ 17,017.12  | \$ -          | \$ -    | \$ 40,397.43    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 582.15       | \$ 145.86          | \$ 34.81    | \$ -      | \$ 51.93        | \$ 240.00             | \$ 322.47    | \$ 2,477.55   | \$ -          | \$ -    | \$ 7,772.17     |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -         | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 603.15       | \$ 151.12          | \$ 116.04   | \$ -      | \$ 173.09       | \$ 795.58             | \$ 131.38    | \$ 5,567.15   | \$ -          | \$ -    | \$ 20,595.52    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 447.75       | \$ 158.52          | \$ 40.34    | \$ -      | \$ 56.69        | \$ 193.00             | \$ 209.50    | \$ 3,255.12   | \$ 2,375.40   | \$ -    | \$ 11,218.30    |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 957.37       | \$ 342.03          | \$ 41.97    | \$ -      | \$ 59.47        | \$ 187.17             | \$ 58.17     | \$ 5,532.79   | \$ 5,237.10   | \$ -    | \$ 17,087.55    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 4,362.51     | \$ 1,284.73        | \$ 452.66   | \$ -      | \$ 642.03       | \$ -                  | \$ 281.02    | \$ 33,904.35  | \$ 9,826.43   | \$ -    | \$ 101,144.72   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 1,010.88     | \$ 253.28          | \$ 204.78   | \$ -      | \$ 305.45       | \$ -                  | \$ 42.15     | \$ 8,632.97   | \$ -          | \$ -    | \$ 33,493.06    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 406.33       | \$ 179.48          | \$ 62.84    | \$ -      | \$ 87.21        | \$ -                  | \$ 358.30    | \$ 3,254.31   | \$ 3,981.86   | \$ -    | \$ 15,293.82    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 810.19       | \$ 304.66          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 4,513.03   | \$ 5,212.35   | \$ -    | \$ 26,983.16    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 2,469.98     | \$ 832.58          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 13,709.06  | \$ 10,956.08  | \$ -    | \$ 35,398.18    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 313.48       | \$ 78.55           | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 1,306.37  | \$ 2,162.82   | \$ -          | \$ -    | \$ 16,994.85    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 7,247.92     | \$ 2,826.00        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 45,517.86  | \$ 51,778.80  | \$ -    | \$ 200,746.03   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 472.51       | \$ 206.45          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 333.04    | \$ 2,836.00   | \$ 4,514.77   | \$ -    | \$ 20,070.53    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 319.10       | \$ 79.95           | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 349.37    | \$ 2,344.81   | \$ -          | \$ -    | \$ 7,980.38     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 9,335.36     | \$ 3,890.06        | \$ -        | \$ -      | \$ 2,365.15     | \$ -                  | \$ 4,808.39  | \$ 60,257.44  | \$ 79,516.01  | \$ -    | \$ 409,496.98   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 43,618.27    | \$ 16,145.93       | \$ 4,518.09 | \$ -      | \$ 6,297.49     | \$ 7,007.83           | \$ 14,698.33 | \$ 288,437.01 | \$ 267,463.95 | \$ -    | \$ 1,376,606.38 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 43,633.23    | \$ 16,158.57       | \$ 4,483.33 | \$ -      | \$ 6,478.10     | \$ 7,007.83           | \$ 14,698.33 | \$ 288,474.80 | \$ 267,919.87 | \$ -    | \$ 1,578,728.67 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (14.96)      | \$ (12.64)         | \$ 34.76    | \$ -      | \$ (180.61)     | \$ -                  | \$ -         | \$ (37.79)    | \$ (455.92)   | \$ -    | \$ (202,122.29) |



Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
April, 2022

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS         | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|--------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 1,363.40     | \$ 507.86          | \$ 243.99   | \$ -      | \$ 328.21       | \$ -                  | \$ 1,401.58  | \$ 11,059.18  | \$ 6,571.73   | \$ -    | \$ 48,438.45    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 1,135.56     | \$ 441.99          | \$ 114.67   | \$ -      | \$ 153.15       | \$ -                  | \$ 13.10     | \$ 7,579.02   | \$ 6,320.25   | \$ -    | \$ 28,411.10    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,223.35     | \$ 469.03          | \$ 107.91   | \$ -      | \$ 148.57       | \$ 748.74             | \$ -         | \$ 7,483.67   | \$ 6,490.94   | \$ -    | \$ 28,653.69    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 333.44       | \$ 109.18          | \$ 39.43    | \$ -      | \$ 53.85        | \$ 268.92             | \$ 53.39     | \$ 2,658.00   | \$ 937.02     | \$ -    | \$ 8,824.19     |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 327.38       | \$ 113.39          | \$ 40.76    | \$ -      | \$ 55.49        | \$ 327.67             | \$ 172.66    | \$ 2,382.95   | \$ 1,196.46   | \$ -    | \$ 9,132.25     |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 1,649.87     | \$ 695.23          | \$ 222.02   | \$ -      | \$ 298.44       | \$ 1,298.67           | \$ 921.04    | \$ 11,199.14  | \$ 11,547.01  | \$ -    | \$ 52,362.86    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 537.10       | \$ 204.76          | \$ 114.73   | \$ -      | \$ 158.58       | \$ -                  | \$ 185.47    | \$ 3,862.81   | \$ 2,797.81   | \$ -    | \$ 20,610.86    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 474.75       | \$ 183.56          | \$ 105.66   | \$ -      | \$ 139.95       | \$ 292.33             | \$ 410.29    | \$ 3,719.91   | \$ 2,587.55   | \$ -    | \$ 19,553.44    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 532.90       | \$ 297.26          | \$ 176.20   | \$ -      | \$ 230.11       | \$ -                  | \$ 41.10     | \$ 3,832.69   | \$ 6,969.63   | \$ -    | \$ 31,435.79    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 257.46       | \$ 93.84           | \$ 42.12    | \$ -      | \$ 56.41        | \$ 245.74             | \$ -         | \$ 2,369.78   | \$ 1,149.02   | \$ -    | \$ 8,865.12     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 1,258.69     | \$ 466.77          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 9,559.11   | \$ 5,973.80   | \$ -    | \$ 39,410.23    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 717.72       | \$ 189.73          | \$ 142.39   | \$ -      | \$ 208.72       | \$ 830.67             | \$ 791.38    | \$ 8,780.02   | \$ -          | \$ -    | \$ 27,683.58    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 3,532.68     | \$ 1,480.50        | \$ 331.39   | \$ -      | \$ 440.74       | \$ 1,544.26           | \$ 292.26    | \$ 17,106.05  | \$ 24,362.53  | \$ -    | \$ 85,626.59    |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 2,825.75     | \$ 746.99          | \$ 163.82   | \$ -      | \$ 240.14       | \$ -                  | \$ 1,686.11  | \$ 23,130.98  | \$ -          | \$ -    | \$ 47,228.62    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 533.60       | \$ 141.06          | \$ 34.81    | \$ -      | \$ 51.03        | \$ 240.00             | \$ -         | \$ 2,376.16   | \$ -          | \$ -    | \$ 7,294.06     |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -         | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 710.38       | \$ 187.79          | \$ 116.04   | \$ -      | \$ 170.10       | \$ 795.58             | \$ -         | \$ 9,077.36   | \$ -          | \$ -    | \$ 24,115.26    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 570.31       | \$ 214.10          | \$ 40.34    | \$ -      | \$ 55.71        | \$ 193.00             | \$ 174.09    | \$ 3,470.44   | \$ 2,823.22   | \$ -    | \$ 12,023.19    |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,026.31     | \$ 388.20          | \$ 41.97    | \$ -      | \$ 58.44        | \$ 187.17             | \$ 38.78     | \$ 6,329.23   | \$ 5,209.88   | \$ -    | \$ 17,951.46    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 5,981.72     | \$ 1,857.66        | \$ 452.66   | \$ -      | \$ 630.94       | \$ -                  | \$ -         | \$ 43,138.31  | \$ 12,318.53  | \$ -    | \$ 114,770.81   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 1,570.87     | \$ 415.26          | \$ 204.78   | \$ -      | \$ 300.17       | \$ -                  | \$ 21.08     | \$ 14,243.50  | \$ -          | \$ -    | \$ 39,799.21    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 472.84       | \$ 226.17          | \$ 62.84    | \$ -      | \$ 85.70        | \$ -                  | \$ 303.50    | \$ 3,870.16   | \$ 4,509.19   | \$ -    | \$ 16,493.89    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 897.21       | \$ 348.86          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 5,288.89   | \$ 4,977.61   | \$ -    | \$ 27,655.50    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 2,371.25     | \$ 843.38          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 13,919.64  | \$ 9,650.69   | \$ -    | \$ 34,215.44    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 438.11       | \$ 115.81          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 1,045.10  | \$ 3,299.61   | \$ -          | \$ -    | \$ 18,032.26    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 7,656.01     | \$ 3,105.83        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ -         | \$ 51,388.06  | \$ 48,221.10  | \$ -    | \$ 203,746.45   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 540.20       | \$ 254.03          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 272.06    | \$ 3,500.84   | \$ 4,957.10   | \$ -    | \$ 21,231.99    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 312.46       | \$ 82.60           | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 354.22    | \$ 2,533.46   | \$ -          | \$ -    | \$ 8,169.89     |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 10,781.67    | \$ 4,595.62        | \$ -        | \$ -      | \$ 2,324.35     | \$ -                  | \$ 4,783.82  | \$ 78,611.17  | \$ 77,793.18  | \$ -    | \$ 428,214.38   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 50,032.99    | \$ 18,776.46       | \$ 4,518.09 | \$ -      | \$ 6,188.80     | \$ 7,007.83           | \$ 12,961.03 | \$ 355,770.14 | \$ 247,364.25 | \$ -    | \$ 1,431,039.07 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 50,048.48    | \$ 18,785.34       | \$ 4,483.33 | \$ -      | \$ 6,366.19     | \$ 7,007.83           | \$ 12,961.03 | \$ 355,828.20 | \$ 247,581.82 | \$ -    | \$ 1,632,936.83 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (15.49)      | \$ (8.88)          | \$ 34.76    | \$ -      | \$ (177.39)     | \$ -                  | \$ -         | \$ (58.06)    | \$ (217.57)   | \$ -    | \$ (201,897.76) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
May, 2022

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS        | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|-------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 2,108.86     | \$ 599.88          | \$ 243.99   | \$ -      | \$ 335.69       | \$ -                  | \$ 1,017.99 | \$ 17,192.76  | \$ 2,260.05   | \$ -    | \$ 50,721.72    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 1,406.87     | \$ 506.93          | \$ 114.67   | \$ -      | \$ 156.64       | \$ -                  | \$ 13.10    | \$ 9,706.16   | \$ 6,676.64   | \$ -    | \$ 31,234.37    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,255.82     | \$ 418.08          | \$ 107.91   | \$ -      | \$ 151.95       | \$ 748.74             | \$ -        | \$ 8,321.89   | \$ 4,292.42   | \$ -    | \$ 27,278.29    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 569.66       | \$ 174.28          | \$ 39.43    | \$ -      | \$ 55.08        | \$ 268.92             | \$ -        | \$ 4,085.75   | \$ 1,202.99   | \$ -    | \$ 10,767.07    |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 464.12       | \$ 131.88          | \$ 40.76    | \$ -      | \$ 56.76        | \$ 327.67             | \$ 132.19   | \$ 3,363.11   | \$ 490.41     | \$ -    | \$ 9,522.39     |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 2,279.09     | \$ 802.45          | \$ 222.02   | \$ -      | \$ 305.25       | \$ 1,298.67           | \$ 520.59   | \$ 15,038.41  | \$ 9,907.20   | \$ -    | \$ 54,905.12    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 741.52       | \$ 194.60          | \$ 114.73   | \$ -      | \$ 162.19       | \$ -                  | \$ 134.89   | \$ 6,446.29   | \$ 3.98       | \$ -    | \$ 20,547.80    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 730.90       | \$ 231.73          | \$ 105.66   | \$ -      | \$ 143.13       | \$ 292.33             | \$ 337.22   | \$ 5,557.69   | \$ 1,936.34   | \$ -    | \$ 20,974.44    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 870.71       | \$ 377.65          | \$ 176.20   | \$ -      | \$ 235.35       | \$ -                  | \$ 82.20    | \$ 5,721.15   | \$ 7,227.50   | \$ -    | \$ 34,046.66    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 365.92       | \$ 103.26          | \$ 42.12    | \$ -      | \$ 57.70        | \$ 245.74             | \$ -        | \$ 3,294.07   | \$ 352.23     | \$ -    | \$ 9,111.79     |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 1,398.38     | \$ 369.94          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 12,002.81  | \$ 150.38     | \$ -    | \$ 36,073.37    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 1,144.55     | \$ 300.25          | \$ 142.39   | \$ -      | \$ 213.48       | \$ 830.67             | \$ 542.24   | \$ 12,012.39  | \$ -          | \$ -    | \$ 31,208.92    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 5,357.83     | \$ 1,872.52        | \$ 331.39   | \$ -      | \$ 450.79       | \$ 1,544.26           | \$ 18.27    | \$ 32,982.64  | \$ 22,615.67  | \$ -    | \$ 101,709.55   |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 4,543.76     | \$ 1,191.96        | \$ 163.82   | \$ -      | \$ 245.62       | \$ -                  | \$ 977.94   | \$ 34,011.76  | \$ -          | \$ -    | \$ 59,569.69    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 666.85       | \$ 174.93          | \$ 34.81    | \$ -      | \$ 52.19        | \$ 240.00             | \$ 78.83    | \$ 5,313.00   | \$ -          | \$ -    | \$ 10,478.01    |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -        | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 1,275.30     | \$ 334.55          | \$ 116.04   | \$ -      | \$ 173.98       | \$ 795.58             | \$ -        | \$ 13,056.70  | \$ -          | \$ -    | \$ 28,810.16    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 869.66       | \$ 321.97          | \$ 40.34    | \$ -      | \$ 56.98        | \$ 193.00             | \$ 159.34   | \$ 4,922.21   | \$ 4,543.98   | \$ -    | \$ 15,589.46    |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,166.23     | \$ 408.24          | \$ 41.97    | \$ -      | \$ 59.77        | \$ 187.17             | \$ -        | \$ 7,584.63   | \$ 4,954.48   | \$ -    | \$ 19,073.97    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 5,515.87     | \$ 1,576.82        | \$ 452.66   | \$ -      | \$ 645.33       | \$ -                  | \$ -        | \$ 41,667.67  | \$ 6,288.38   | \$ -    | \$ 106,537.72   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 3,340.24     | \$ 876.24          | \$ 204.78   | \$ -      | \$ 307.02       | \$ -                  | \$ 42.15    | \$ 25,308.80  | \$ -          | \$ -    | \$ 53,122.78    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 585.00       | \$ 277.98          | \$ 62.84    | \$ -      | \$ 87.66        | \$ -                  | \$ 290.85   | \$ 4,353.99   | \$ 6,030.25   | \$ -    | \$ 18,652.06    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 1,107.21     | \$ 425.86          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 8,643.96   | \$ 6,557.21   | \$ -    | \$ 32,877.17    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 2,394.82     | \$ 813.13          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 15,057.56  | \$ 8,954.11   | \$ -    | \$ 34,650.10    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 708.43       | \$ 185.84          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 940.59   | \$ 5,180.07   | \$ -          | \$ -    | \$ 20,148.56    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 11,211.16    | \$ 4,107.17        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 81,049.82  | \$ 56,473.44  | \$ -    | \$ 246,217.04   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 698.48       | \$ 297.07          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 178.25   | \$ 4,362.27   | \$ 5,512.98   | \$ -    | \$ 22,756.81    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 574.02       | \$ 150.58          | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 198.95   | \$ 4,829.23   | \$ -          | \$ -    | \$ 10,639.93    |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 14,686.32    | \$ 5,345.58        | \$ -        | \$ -      | \$ 2,377.37     | \$ -                  | \$ 4,170.86 | \$ 108,753.13 | \$ 72,299.63  | \$ -    | \$ 456,957.46   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 68,037.58    | \$ 22,571.37       | \$ 4,518.09 | \$ -      | \$ 6,329.93     | \$ 7,007.83           | \$ 9,836.45 | \$ 499,819.92 | \$ 228,730.27 | \$ -    | \$ 1,575,270.92 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 68,054.53    | \$ 22,577.78       | \$ 4,483.33 | \$ -      | \$ 6,511.49     | \$ 7,007.83           | \$ 9,836.45 | \$ 499,888.92 | \$ 228,827.56 | \$ -    | \$ 1,777,062.50 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (16.95)      | \$ (6.41)          | \$ 34.76    | \$ -      | \$ (181.56)     | \$ -                  | \$ -        | \$ (69.00)    | \$ (97.29)    | \$ -    | \$ (201,791.58) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
June, 2022

| Customer Number | Customer Name                | Capacity       | Operating       | EDS Improvement | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering | Insurance | EDS Electricity | EDS Maint Costs Alloc | TIFS        | Electricity   | Natural Gas   | Propane | Total           |
|-----------------|------------------------------|----------------|-----------------|-----------------|-------------------|-----------------|--------------------|-------------|-----------|-----------------|-----------------------|-------------|---------------|---------------|---------|-----------------|
| 2               | A. A. Birch                  | \$ 10,605.81   | \$ 14,205.81    | \$ 769.05       | \$ 1,381.83       | \$ 3,664.98     | \$ 628.73          | \$ 243.99   | \$ -      | \$ 355.76       | \$ -                  | \$ 619.65   | \$ 26,267.85  | \$ 2,892.40   | \$ -    | \$ 61,635.86    |
| 4               | Metro Courthouse             | \$ 5,020.78    | \$ 6,628.91     | \$ 358.86       | \$ 644.81         | \$ 2,039.77     | \$ 416.08          | \$ 114.67   | \$ -      | \$ 166.00       | \$ -                  | \$ 13.10    | \$ 13,508.32  | \$ 5,102.03   | \$ -    | \$ 34,013.33    |
| 7               | Parkway Tower                | \$ 4,577.29    | \$ 6,430.55     | \$ 348.13       | \$ 625.51         | \$ 1,651.43     | \$ 275.60          | \$ 107.91   | \$ -      | \$ 161.04       | \$ 748.74             | \$ -        | \$ 11,157.23  | \$ 896.35     | \$ -    | \$ 26,979.78    |
| 9               | Bobby Hotel                  | \$ 1,687.16    | \$ 2,330.89     | \$ 126.18       | \$ 226.73         | \$ 962.06       | \$ 168.35          | \$ 39.43    | \$ -      | \$ 58.37        | \$ 268.92             | \$ -        | \$ 6,423.90   | \$ 933.94     | \$ -    | \$ 13,225.93    |
| 10              | Fairlane Hotel               | \$ 1,749.91    | \$ 2,401.91     | \$ 130.03       | \$ 233.64         | \$ 761.66       | \$ 124.39          | \$ 40.76    | \$ -      | \$ 60.15        | \$ 327.67             | \$ 113.31   | \$ 5,149.43   | \$ 269.98     | \$ -    | \$ 11,362.84    |
| 11              | Sheraton Hotel               | \$ 9,658.21    | \$ 12,917.43    | \$ 699.30       | \$ 1,256.50       | \$ 3,381.48     | \$ 662.74          | \$ 222.02   | \$ -      | \$ 323.49       | \$ 1,298.67           | \$ 226.92   | \$ 21,503.33  | \$ 7,031.02   | \$ -    | \$ 59,181.11    |
| 12              | Municipal Auditorium         | \$ 4,846.76    | \$ 6,863.63     | \$ 371.57       | \$ 667.64         | \$ 1,318.86     | \$ 206.62          | \$ 114.73   | \$ -      | \$ 171.89       | \$ -                  | \$ 59.01    | \$ 11,305.94  | \$ 4.53       | \$ -    | \$ 25,931.18    |
| 21              | Hermitage Hotel              | \$ 4,665.09    | \$ 6,057.24     | \$ 327.91       | \$ 589.20         | \$ 1,467.63     | \$ 278.29          | \$ 105.66   | \$ -      | \$ 151.69       | \$ 292.33             | \$ 303.50   | \$ 10,018.70  | \$ 2,558.28   | \$ -    | \$ 26,815.52    |
| 24              | Criminal Justice Center      | \$ 7,888.27    | \$ 9,959.65     | \$ 539.18       | \$ 968.80         | \$ 1,462.18     | \$ 359.83          | \$ 176.20   | \$ -      | \$ 249.41       | \$ -                  | \$ 304.13   | \$ 9,327.74   | \$ 6,907.50   | \$ -    | \$ 38,142.89    |
| 25              | 501 Union Building           | \$ 1,839.34    | \$ 2,441.71     | \$ 132.19       | \$ 237.51         | \$ 631.99       | \$ 101.65          | \$ 42.12    | \$ -      | \$ 61.15        | \$ 245.74             | \$ -        | \$ 4,915.90   | \$ 141.24     | \$ -    | \$ 10,790.54    |
| 28              | 4th & Church Building        | \$ 22,013.58   | \$ -            | \$ -            | \$ -              | \$ 2,520.55     | \$ 394.72          | \$ 138.28   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 18,104.40  | \$ -          | \$ -    | \$ 43,171.53    |
| 29              | Fifth-Third Financial Center | \$ 5,621.09    | \$ 9,034.03     | \$ 489.07       | \$ 878.76         | \$ 2,217.84     | \$ 347.32          | \$ 142.39   | \$ -      | \$ 226.24       | \$ 830.67             | \$ 293.10   | \$ 18,294.86  | \$ -          | \$ -    | \$ 38,375.37    |
| 32              | Renaissance Hotel            | \$ 14,571.47   | \$ 19,076.40    | \$ 1,032.71     | \$ 1,855.60       | \$ 8,420.92     | \$ 1,711.30        | \$ 331.39   | \$ -      | \$ 477.73       | \$ 1,544.26           | \$ -        | \$ 38,788.26  | \$ 20,723.51  | \$ -    | \$ 108,533.55   |
| 33              | 5th & Broadway               | \$ 6,467.21    | \$ 10,393.90    | \$ 562.68       | \$ 1,011.04       | \$ 6,806.91     | \$ 1,065.97        | \$ 163.82   | \$ -      | \$ 260.30       | \$ -                  | \$ 927.36   | \$ 46,785.04  | \$ -          | \$ -    | \$ 74,444.23    |
| 34              | Renaissance Office Tower     | \$ 1,374.28    | \$ 2,208.70     | \$ 119.57       | \$ 214.85         | \$ 851.40       | \$ 133.33          | \$ 34.81    | \$ -      | \$ 55.31        | \$ 240.00             | \$ 21.50    | \$ 7,188.76   | \$ -          | \$ -    | \$ 12,442.51    |
| 35              | St. Mary's Catholic Church   | \$ 1,053.43    | \$ -            | \$ -            | \$ -              | \$ -            | \$ -               | \$ -        | \$ -      | \$ -            | \$ 35.08              | \$ -        | \$ -          | \$ -          | \$ -    | \$ 1,088.51     |
| 36              | Nashville City Center        | \$ 4,580.94    | \$ 7,362.35     | \$ 398.57       | \$ 716.15         | \$ 2,491.71     | \$ 390.20          | \$ 116.04   | \$ -      | \$ 184.38       | \$ 795.58             | \$ -        | \$ 19,689.77  | \$ -          | \$ -    | \$ 36,725.69    |
| 38              | Wildhorse Saloon             | \$ 1,705.33    | \$ 2,411.53     | \$ 130.55       | \$ 234.57         | \$ 1,255.40     | \$ 284.09          | \$ 40.34    | \$ -      | \$ 60.39        | \$ 193.00             | \$ 147.53   | \$ 7,313.12   | \$ 4,618.67   | \$ -    | \$ 18,394.52    |
| 39              | Ryman Auditorium             | \$ 1,759.34    | \$ 2,529.20     | \$ 136.92       | \$ 246.02         | \$ 1,637.62     | \$ 337.77          | \$ 41.97    | \$ -      | \$ 63.34        | \$ 187.17             | \$ -        | \$ 9,976.53   | \$ 4,292.96   | \$ -    | \$ 21,208.84    |
| 40              | Bridgestone Arena            | \$ 18,946.96   | \$ 27,309.19    | \$ 1,478.41     | \$ 2,656.43       | \$ 7,302.65     | \$ 1,297.82        | \$ 452.66   | \$ -      | \$ 683.90       | \$ -                  | \$ -        | \$ 44,422.21  | \$ 8,141.13   | \$ -    | \$ 112,691.36   |
| 41              | Nissan Stadium               | \$ 8,084.02    | \$ 12,992.38    | \$ 703.35       | \$ 1,263.80       | \$ 6,146.86     | \$ 962.61          | \$ 204.78   | \$ -      | \$ 325.37       | \$ -                  | \$ 105.38   | \$ 41,783.97  | \$ -          | \$ -    | \$ 72,572.52    |
| 43              | Hume-Fogg High School        | \$ 2,692.23    | \$ 3,709.60     | \$ 200.82       | \$ 360.84         | \$ 799.18       | \$ 249.33          | \$ 62.84    | \$ -      | \$ 92.89        | \$ -                  | \$ 320.36   | \$ 3,753.53   | \$ 6,555.32   | \$ -    | \$ 18,796.94    |
| 44              | Schermerhorn Symphony Center | \$ 16,044.04   | \$ -            | \$ -            | \$ -              | \$ 1,851.14     | \$ 450.54          | \$ 98.89    | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 10,495.69  | \$ 8,480.30   | \$ -    | \$ 37,420.60    |
| 45              | Nashville Public Library     | \$ 7,273.85    | \$ -            | \$ -            | \$ -              | \$ 3,111.95     | \$ 568.61          | \$ 156.63   | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 19,267.70  | \$ 4,290.53   | \$ -    | \$ 34,669.27    |
| 49              | Viridian Residential Tower   | \$ 13,063.73   | \$ -            | \$ -            | \$ -              | \$ 1,224.90     | \$ 191.82          | \$ 69.90    | \$ -      | \$ -            | \$ -                  | \$ 901.40   | \$ 8,619.57   | \$ -          | \$ -    | \$ 24,071.32    |
| 50              | Music City Center            | \$ 77,567.78   | \$ 9,757.84     | \$ -            | \$ 4,908.86       | \$ 15,388.10    | \$ 3,355.98        | \$ 1,140.97 | \$ -      | \$ -            | \$ -                  | \$ -        | \$ 106,747.24 | \$ 49,947.60  | \$ -    | \$ 268,814.37   |
| 51              | Hyatt Place Hotel            | \$ 11,627.68   | \$ -            | \$ -            | \$ -              | \$ 1,128.11     | \$ 303.90          | \$ 80.08    | \$ -      | \$ -            | \$ -                  | \$ 112.58   | \$ 6,570.28   | \$ 6,716.77   | \$ -    | \$ 26,539.40    |
| 52              | Hyatt Centric                | \$ 4,852.34    | \$ -            | \$ -            | \$ -              | \$ 1,000.07     | \$ 156.61          | \$ 34.81    | \$ -      | \$ -            | \$ -                  | \$ 184.39   | \$ 7,124.82   | \$ -          | \$ -    | \$ 13,353.04    |
| 51              | State Government of TN       | \$ 136,594.48  | \$ 112,730.09   | \$ -            | \$ -              | \$ 23,613.34    | \$ 4,889.39        | \$ -        | \$ -      | \$ 2,519.43     | \$ -                  | \$ 2,698.48 | \$ 157,919.11 | \$ 62,897.60  | \$ -    | \$ 503,861.92   |
|                 | Grand Totals                 | \$ 408,432.40  | \$ 289,752.94   | \$ 9,055.05     | \$ 21,179.09      | \$ 105,110.69   | \$ 20,313.59       | \$ 4,518.09 | \$ -      | \$ 6,708.23     | \$ 7,007.83           | \$ 7,351.70 | \$ 692,423.20 | \$ 203,401.66 | \$ -    | \$ 1,775,254.47 |
|                 | Rate Calculation Totals      | \$ 490,116.41  | \$ 398,037.73   | \$ 14,917.14    | \$ 26,803.33      | \$ 105,136.36   | \$ 20,317.62       | \$ 4,483.33 | \$ -      | \$ 6,900.63     | \$ 7,007.83           | \$ 7,351.70 | \$ 692,518.15 | \$ 203,401.67 | \$ -    | \$ 1,976,991.90 |
|                 | Deviation                    | \$ (81,684.01) | \$ (108,284.79) | \$ (5,862.09)   | \$ (5,624.24)     | \$ (25.67)      | \$ (4.03)          | \$ 34.76    | \$ -      | \$ (192.40)     | \$ -                  | \$ -        | \$ (94.95)    | \$ (0.01)     | \$ -    | \$ (201,737.43) |

Metro Nashville District Energy System  
Revenues  
Chilled Water and Steam  
Fiscal Year 21 - 22 True Up

| Customer Number | Customer Name                | Capacity      | Operating | EDS Improve mt | Metro Incremental | Water And Sewer | Chemical Treatment | Engineering   | Insurance    | EDS Electricity | EDS Maint Costs Alloc | TIFS | Electricity | Natural Gas  | Propane | Total        |
|-----------------|------------------------------|---------------|-----------|----------------|-------------------|-----------------|--------------------|---------------|--------------|-----------------|-----------------------|------|-------------|--------------|---------|--------------|
| 2               | A. A. Birch                  | \$ 327.67     | \$ -      | \$ -           | \$ (2,198.69)     | \$ 254.66       | \$ -               | \$ (134.70)   | \$ 1,136.40  | \$ -            | \$ -                  | \$ - | \$ 16.29    | \$ 301.40    | \$ -    | \$ (296.97)  |
| 4               | Metro Courthouse             | \$ 155.12     | \$ -      | \$ -           | \$ (1,025.98)     | \$ 170.59       | \$ -               | \$ (63.30)    | \$ 531.55    | \$ -            | \$ -                  | \$ - | \$ 5.82     | \$ 269.66    | \$ -    | \$ 43.46     |
| 7               | Parkway Tower                | \$ 141.42     | \$ -      | \$ -           | \$ (995.28)       | \$ 150.06       | \$ -               | \$ (59.57)    | \$ 510.49    | \$ -            | \$ -                  | \$ - | \$ 6.02     | \$ 225.20    | \$ -    | \$ (21.66)   |
| 9               | Bobby Hotel                  | \$ 52.13      | \$ -      | \$ -           | \$ (360.76)       | \$ 64.15        | \$ -               | \$ (21.77)    | \$ 185.53    | \$ -            | \$ -                  | \$ - | \$ 5.20     | \$ 61.28     | \$ -    | \$ (14.24)   |
| 10              | Fairlane Hotel               | \$ 54.06      | \$ -      | \$ -           | \$ (371.75)       | \$ 46.36        | \$ -               | \$ (22.50)    | \$ 191.38    | \$ -            | \$ -                  | \$ - | \$ 2.73     | \$ 58.04     | \$ -    | \$ (41.68)   |
| 11              | Sheraton Hotel               | \$ 298.39     | \$ -      | \$ -           | \$ (1,999.28)     | \$ 254.18       | \$ -               | \$ (122.57)   | \$ 1,033.58  | \$ -            | \$ -                  | \$ - | \$ 0.65     | \$ 508.59    | \$ -    | \$ (26.46)   |
| 12              | Municipal Auditorium         | \$ 149.74     | \$ -      | \$ -           | \$ (1,062.31)     | \$ 73.73        | \$ -               | \$ (63.34)    | \$ 544.19    | \$ -            | \$ -                  | \$ - | \$ (7.97)   | \$ 256.15    | \$ -    | \$ (109.81)  |
| 21              | Hermitage Hotel              | \$ 144.13     | \$ -      | \$ -           | \$ (937.51)       | \$ 89.39        | \$ -               | \$ (58.33)    | \$ 487.07    | \$ -            | \$ -                  | \$ - | \$ 4.75     | \$ 118.69    | \$ -    | \$ (151.81)  |
| 24              | Criminal Justice Center      | \$ 243.70     | \$ -      | \$ -           | \$ (1,541.49)     | \$ 99.46        | \$ -               | \$ (97.27)    | \$ 804.68    | \$ -            | \$ -                  | \$ - | \$ (7.28)   | \$ 299.26    | \$ -    | \$ (198.94)  |
| 25              | 501 Union Building           | \$ 56.83      | \$ -      | \$ -           | \$ (377.91)       | \$ 40.95        | \$ -               | \$ (23.25)    | \$ 195.61    | \$ -            | \$ -                  | \$ - | \$ 2.31     | \$ 52.60     | \$ -    | \$ (52.86)   |
| 28              | 4th & Church Building        | \$ -          | \$ -      | \$ -           | \$ -              | \$ 170.65       | \$ -               | \$ (76.34)    | \$ 650.06    | \$ -            | \$ -                  | \$ - | \$ 11.21    | \$ 198.06    | \$ -    | \$ 953.64    |
| 29              | Fifth-Third Financial Center | \$ 173.66     | \$ -      | \$ -           | \$ (1,398.23)     | \$ 143.50       | \$ -               | \$ (78.61)    | \$ 702.94    | \$ -            | \$ -                  | \$ - | \$ 21.94    | \$ -         | \$ -    | \$ (434.80)  |
| 32              | Renaissance Hotel            | \$ 450.18     | \$ -      | \$ -           | \$ (2,952.53)     | \$ 571.60       | \$ -               | \$ (182.94)   | \$ 1,531.81  | \$ -            | \$ -                  | \$ - | \$ 15.23    | \$ 960.44    | \$ -    | \$ 393.79    |
| 33              | 5th & Broadway               | \$ 199.80     | \$ -      | \$ -           | \$ (1,608.71)     | \$ 463.64       | \$ -               | \$ (90.44)    | \$ 808.76    | \$ -            | \$ -                  | \$ - | \$ 70.89    | \$ -         | \$ -    | \$ (156.06)  |
| 34              | Renaissance Office Tower     | \$ 42.46      | \$ -      | \$ -           | \$ (341.85)       | \$ 90.27        | \$ -               | \$ (19.22)    | \$ 171.86    | \$ -            | \$ -                  | \$ - | \$ 13.80    | \$ -         | \$ -    | \$ (42.68)   |
| 35              | St. Mary's Catholic Church   | \$ -          | \$ -      | \$ -           | \$ -              | \$ -            | \$ -               | \$ -          | \$ -         | \$ -            | \$ -                  | \$ - | \$ -        | \$ -         | \$ -    | \$ -         |
| 36              | Nashville City Center        | \$ 141.53     | \$ -      | \$ -           | \$ (1,139.50)     | \$ 147.39       | \$ -               | \$ (64.06)    | \$ 572.87    | \$ -            | \$ -                  | \$ - | \$ 22.53    | \$ -         | \$ -    | \$ (319.24)  |
| 38              | Wildhorse Saloon             | \$ 52.69      | \$ -      | \$ -           | \$ (373.24)       | \$ 74.41        | \$ -               | \$ (22.27)    | \$ 191.24    | \$ -            | \$ -                  | \$ - | \$ 5.72     | \$ 75.30     | \$ -    | \$ 3.85      |
| 39              | Ryman Auditorium             | \$ 54.36      | \$ -      | \$ -           | \$ (391.46)       | \$ 137.17       | \$ -               | \$ (23.17)    | \$ 200.06    | \$ -            | \$ -                  | \$ - | \$ 5.82     | \$ 201.62    | \$ -    | \$ 184.40    |
| 40              | Bridgestone Arena            | \$ 585.35     | \$ -      | \$ -           | \$ (4,226.75)     | \$ 709.60       | \$ -               | \$ (249.89)   | \$ 2,159.29  | \$ -            | \$ -                  | \$ - | \$ 68.54    | \$ 531.76    | \$ -    | \$ (422.10)  |
| 41              | Nissan Stadium               | \$ 249.75     | \$ -      | \$ -           | \$ (2,010.88)     | \$ 340.62       | \$ -               | \$ (113.05)   | \$ 1,010.94  | \$ -            | \$ -                  | \$ - | \$ 52.08    | \$ -         | \$ -    | \$ (470.54)  |
| 43              | Hume-Fogg High School        | \$ 83.18      | \$ -      | \$ -           | \$ (574.15)       | \$ 47.77        | \$ -               | \$ (34.69)    | \$ 295.39    | \$ -            | \$ -                  | \$ - | \$ (3.20)   | \$ 139.78    | \$ -    | \$ (45.92)   |
| 44              | Schermerhorn Symphony Center | \$ -          | \$ -      | \$ -           | \$ -              | \$ 133.84       | \$ -               | \$ (54.59)    | \$ 467.47    | \$ -            | \$ -                  | \$ - | \$ 0.58     | \$ 264.74    | \$ -    | \$ 812.04    |
| 45              | Nashville Public Library     | \$ -          | \$ -      | \$ -           | \$ -              | \$ 301.41       | \$ -               | \$ (86.47)    | \$ 731.93    | \$ -            | \$ -                  | \$ - | \$ 22.84    | \$ 309.36    | \$ -    | \$ 1,279.07  |
| 49              | Viridian Residential Tower   | \$ -          | \$ -      | \$ -           | \$ -              | \$ 81.08        | \$ -               | \$ (38.59)    | \$ 345.07    | \$ -            | \$ -                  | \$ - | \$ 12.40    | \$ -         | \$ -    | \$ 399.96    |
| 50              | Music City Center            | \$ -          | \$ -      | \$ -           | \$ (7,810.70)     | \$ 1,219.91     | \$ -               | \$ (629.88)   | \$ 5,398.19  | \$ -            | \$ -                  | \$ - | \$ 21.34    | \$ 2,198.27  | \$ -    | \$ 397.13    |
| 51              | Hyatt Place Hotel            | \$ -          | \$ -      | \$ -           | \$ -              | \$ 70.75        | \$ -               | \$ (44.20)    | \$ 364.22    | \$ -            | \$ -                  | \$ - | \$ (2.61)   | \$ 178.62    | \$ -    | \$ 566.78    |
| 52              | Hyatt Centric                | \$ -          | \$ -      | \$ -           | \$ -              | \$ 54.87        | \$ -               | \$ (19.22)    | \$ 171.86    | \$ -            | \$ -                  | \$ - | \$ 8.39     | \$ -         | \$ -    | \$ 215.90    |
| 51              | State Government of TN       | \$ -          | \$ -      | \$ -           | \$ -              | \$ 1,741.87     | \$ -               | \$ -          | \$ 8,052.75  | \$ -            | \$ -                  | \$ - | \$ 15.23    | \$ 3,341.93  | \$ -    | \$ 13,151.78 |
|                 | Grand Totals                 | \$ 3,656.15   | \$ -      | \$ -           | \$ (33,698.96)    | \$ 7,743.88     | \$ -               | \$ (2,494.23) | \$ 29,447.19 | \$ -            | \$ -                  | \$ - | \$ 391.25   | \$ 10,550.75 | \$ -    | \$ 15,596.03 |
|                 | Rate Calculation Totals      | \$ 6,179.71   | \$ -      | \$ -           | \$ (42,647.94)    | \$ 7,745.94     | \$ -               | \$ (2,475.09) | \$ 29,475.28 | \$ -            | \$ -                  | \$ - | \$ 390.41   | \$ 10,565.68 | \$ -    | \$ 9,233.99  |
|                 | Deviation                    | \$ (2,523.56) | \$ -      | \$ -           | \$ 8,948.98       | \$ (2.06)       | \$ -               | \$ (19.14)    | \$ (28.09)   | \$ -            | \$ -                  | \$ - | \$ 0.84     | \$ (14.93)   | \$ -    | \$ 6,362.04  |



# Appendix 4



NASHVILLE, TENNESSEE

REV: 1  
DATE: 07/28/22

**CNE INVOICE RECONCILIATION - FY 2021 - 2022**

**SALES SUMMARY FROM CUSTOMER METER READS**

| MONTH              |                              | 7          | 8          | 9          | 10         | 11         | 12         | 1          | 2          | 3          | 4          | 5          | 6          | TOTAL       |
|--------------------|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| <b>STEAM SALES</b> | Previously invoiced, lbs     | 10,480,929 | 11,902,982 | 16,021,053 | 21,696,436 | 38,965,132 | 35,520,456 | 59,962,091 | 46,015,320 | 34,984,356 | 27,960,544 | 17,784,944 | 13,727,011 | 335,021,254 |
|                    | Reconciled, lbs              | 10,480,929 | 11,902,982 | 16,021,053 | 21,696,436 | 38,965,132 | 35,520,456 | 59,962,091 | 46,015,320 | 34,984,356 | 27,960,544 | 17,784,944 | 13,727,011 | 335,021,254 |
| <b>CHW SALES</b>   | Previously invoiced, ton-hrs | 8,732,577  | 8,922,536  | 6,602,387  | 5,742,264  | 2,688,195  | 3,137,984  | 2,375,758  | 2,450,073  | 3,516,874  | 4,170,364  | 6,567,582  | 8,079,637  | 62,986,231  |
|                    | Reconciled, ton-hrs          | 8,732,577  | 8,922,536  | 6,602,387  | 5,742,264  | 2,688,195  | 3,137,984  | 2,375,758  | 2,450,073  | 3,516,874  | 4,170,364  | 6,567,582  | 8,079,637  | 62,986,231  |

**SUMMARY FROM CUSTOMER METER READS from INVOICES**

| START DATE           |                 | 07/01/21   | 08/01/21   | 09/01/21   | 10/01/21   | 11/01/21  | 12/01/21  | 01/01/22  | 02/01/22  | 03/01/22  | 04/01/22  | 05/01/22   | 06/01/22   | 07/01/21    |
|----------------------|-----------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|-------------|
| END DATE             |                 | 07/31/21   | 08/31/21   | 09/30/21   | 10/31/21   | 11/30/21  | 12/31/21  | 01/31/22  | 02/28/22  | 03/31/22  | 04/30/22  | 05/31/22   | 06/30/22   | 06/30/22    |
| CHW SALES            | ton-hrs         | 8,732,577  | 8,922,536  | 6,602,387  | 5,742,264  | 2,688,195 | 3,137,984 | 2,375,758 | 2,450,073 | 3,516,874 | 4,170,364 | 6,567,582  | 8,079,637  | 62,986,231  |
| CHW SENDOUT          | ton-hrs         | 9,117,300  | 9,323,600  | 6,874,500  | 6,008,600  | 2,994,800 | 3,745,800 | 2,553,200 | 2,530,000 | 3,649,000 | 4,346,700 | 6,871,100  | 8,535,800  | 66,550,400  |
| CHW ELECTRIC         | kWh             | 7,694,391  | 7,910,193  | 5,696,565  | 4,919,955  | 2,463,252 | 2,948,808 | 2,015,683 | 1,976,520 | 2,787,986 | 3,418,730 | 5,590,492  | 7,148,651  | 54,571,226  |
| CHW MUW              | galls           | 17,324,000 | 17,440,000 | 12,729,000 | 10,591,000 | 4,938,000 | 6,301,000 | 3,796,000 | 3,866,000 | 6,047,000 | 7,698,000 | 12,820,000 | 16,808,000 | 120,358,000 |
| STEAM SALES          | mlbs            | 10,481     | 11,903     | 16,021     | 21,696     | 38,965    | 35,520    | 59,962    | 46,015    | 34,984    | 27,961    | 17,785     | 13,727     | 335,021     |
| STEAM SENDOUT        | mlbs            | 17,046     | 18,855     | 22,008     | 27,061     | 42,921    | 40,959    | 63,529    | 49,412    | 39,795    | 33,237    | 24,291     | 19,242     | 398,356     |
| STEAM PRODUCTION     | mlbs            | 19,785     | 22,589     | 27,010     | 32,059     | 51,566    | 49,816    | 75,479    | 59,596    | 48,141    | 40,331    | 29,782     | 22,175     | 478,329     |
| NATURAL GAS          | mmBtu           | 23,116     | 25,517     | 30,658     | 37,628     | 59,950    | 56,729    | 88,969    | 68,646    | 55,933    | 45,773    | 33,516     | 26,067     | 552,501     |
| PROPANE              | mmBtu           | 0          | 0          | 0          | 0          | 0         | 16        | 0         | 8         | 0         | 0         | 0          | 0          | 24          |
| STEAM ELECTRIC       | kWh             | 51,253     | 51,107     | 52,485     | 65,089     | 109,024   | 99,918    | 154,380   | 127,066   | 93,264    | 78,920    | 56,044     | 51,072     | 989,632     |
| CONDENSATE RETURN    | galls           | 1,632,700  | 1,858,100  | 2,226,750  | 2,514,327  | 3,695,987 | 3,799,710 | 5,700,899 | 4,231,633 | 3,415,448 | 2,912,612 | 1,864,774  | 1,346,682  | 35,199,622  |
|                      | mlbs            | 13,316     | 15,154     | 18,161     | 20,506     | 30,144    | 30,990    | 46,496    | 34,513    | 34,513    | 23,755    | 15,209     | 10,983     | 293,740     |
|                      | *F              | 184 *F     | 176 *F     | 168 *F     | 173 *F     | 167 *F    | 169 *F    | 169 *F    | 167 *F    | 168 *F    | 168 *F    | 180 *F     | 188 *F     | 170.8       |
| STEAM MUW            | galls           | 395,270    | 767,960    | 789,190    | 969,960    | 1,829,030 | 1,457,030 | 2,511,590 | 2,160,730 | 1,691,790 | 1,344,770 | 1,293,800  | 1,173,090  | 16,384,210  |
|                      | mlbs            | 3,299      | 6,409      | 6,586      | 8,095      | 15,264    | 12,159    | 20,960    | 18,032    | 14,118    | 11,223    | 10,797     | 9,790      | 136,731     |
| Days in Service      |                 | 31         | 31         | 30         | 31         | 30        | 31        | 31        | 28        | 31        | 30        | 31         | 30         | 365         |
| Efficiency - Cooling | kWh/ton-hr-Sold | 0.881      | 0.887      | 0.863      | 0.857      | 0.916     | 0.940     | 0.848     | 0.807     | 0.793     | 0.820     | 0.851      | 0.885      | 0.86639929  |
| Efficiency - Heating | Dth/klb-Sendout | 1.356      | 1.353      | 1.393      | 1.390      | 1.397     | 1.385     | 1.400     | 1.389     | 1.406     | 1.377     | 1.380      | 1.355      | 1.38701270  |



NASHVILLE, TENNESSEE

REV: 1  
DATE: 07/28/22

CNE INVOICE RECONCILIATION - FY 2021 - 2022

UTILITY INVOICES (Paste Link)

Table with columns: Month of Service (7-12, 1-6), TOTAL. Rows include ELECTRIC SERVICE (NES) with sub-rows for Service Dates, PEAK Demand, Service Period Use, Service Period Charge, and Average Charge.

NATURAL GAS SERVICE

Table with columns: Month of Service (7-12, 1-6), TOTAL. Rows include Service Dates, UTILITY LDC INVOICE DATA, UTILITY METER Multiplier, HEAT FACTOR, Service Period Use, Service Period Charges, CONSULTANTS, NASHVILLE LDC, CNEG, and TOTAL.

WATER SERVICE (DOMESTIC AND PLANT)

Table with columns: Month of Service (7-12, 1-6), TOTAL. Rows include Service Dates, UTILITY CEPS INVOICE DATA ENTRY (DOMESTIC, PLANT METER #1, PLANT METER #2), Service Period Use (DOMESTIC, PLANT METER #1, PLANT METER #2, TOTAL, PLANT ONLY), Service Period Charges (DOMESTIC WATER, SEWER, PLANT WATER, SEWER, STATE FEE @ 10%, TOTAL, PLANT, WATER ONLY), and Average Charge.

MONTHLY FEAS

Table with columns: Month (7-12), TOTAL. Rows include Service Dates, STEAM (ELECTRIC, FUEL GAS, WATER), and CHW (ELECTRIC, FUEL GAS, WATER).

STEAM CAPACITY TEST ADJUSTMENTS

Table with columns: Month (7-12), TOTAL. Rows include NATURAL GAS and USAGE CREDIT.

**CNE INVOICE RECONCILIATION - FY 2021 - 2022**

**FINALIZE FUEL EFFICIENCY ADJUSTMENTS**

| SUMMARY              | ELECTRIC FEA       | FUEL GAS FEA         | WATER FEA           | System TOTAL       | Include FEA<br>in INVOICE<br>(YES/NO) |
|----------------------|--------------------|----------------------|---------------------|--------------------|---------------------------------------|
| STEAM SYSTEM         | \$11,267.53        | (\$17,662.67)        | (\$3,325.07)        | (\$9,720.21)       |                                       |
| CHILLED WATER SYSTEM | \$87,143.85        | \$0.00               | (\$5,890.55)        | \$81,253.30        |                                       |
| <b>TOTAL</b>         | <b>\$98,411.38</b> | <b>(\$17,662.67)</b> | <b>(\$9,215.62)</b> | <b>\$71,533.09</b> |                                       |

Include FEA  
in INVOICE  
(YES/NO)  
**YES**

**ELECTRICITY-TO-STEAM CONVERSION**

| CONTRACTUAL GUARANTEE        | 4.500    | kWh per mlb sold | CNE PENALTY/BONUS CALCULATION                |                  | PENALTY | BONUS       |
|------------------------------|----------|------------------|--|------------------|---------|-------------|
| Metering Inaccuracy Buffer   | 0%       |                  | RATE VARIANCE                                | kWh per mlb sold | 0.000   | 1.546062    |
| GUARANTEED MAX QUANTITY      | 4.500000 | kWh per mlb sold | STEAM SOLD                                   | 335,021.254 mlb  |         |             |
| CEPS FUEL EFFICIENCY ADJUSTM | 4.500000 | kWh per mlb sold | VARIANCE in kWh = RATE VARIANCE x STEAM SOLD |                  | 0       | 517,964     |
| CEPS ACTUAL CONVERSION RATE  | 2.953938 | kWh per mlb sold | AVERAGE ELECTRIC PRICE                       | \$0.087014 / kWh |         |             |
|                              |          |                  | CEPS PENALTY / BONUS                         |                  | \$0.00  | \$11,267.53 |

NOTE: Penalty at 100% of variance and Bonus at 25% of variance

**FUEL GAS-TO-STEAM CONVERSION**

| CONTRACTUAL GUARANTEE (varies by Condensate Return, see below) | 72%      | of Send-out      | CNE PENALTY/BONUS CALCULATION                 |                   | PENALTY      | BONUS  |
|--|----------|------------------|---|-------------------|--------------|--------|
| Given Condensate Return at                                     | 171 °F   | avg. Temp.       | RATE VARIANCE                                 | Dth. per mlb sold | -0.008       | 0.000  |
| GUARANTEED MAX QUANTITY  | 1.379000 | Dth.per mlb sold | STEAM SEND-OUT                                | 398,356 mlb       |              |        |
| CEPS FUEL EFFICIENCY ADJUSTM                                   | 1.379000 | Dth.per mlb sold | VARIANCE in Dth. = RATE VARIANCE x STEAM SOLD |                   | -3,187       | 0      |
| CEPS ACTUAL CONVERSION RATE                                    | 1.387000 | Dth.per mlb sold | AVERAGE FUEL PRICE                            | \$5.54210 / Dth.  |              |        |
|  |          |                  | CEPS PENALTY / BONUS                          |                   | -\$17,662.67 | \$0.00 |

NOTE: Penalty at 100% of variance and Bonus at 25% of variance

**WATER-TO-STEAM CONVERSION**

| CONTRACTUAL GUARANTEE (varies by Plant Send-out, see below) | 15%        | gallons per cft | CNE PENALTY/BONUS CALCULATION                                  |                  | PENALTY     | BONUS  |
|---|------------|-----------------|--|------------------|-------------|--------|
| PLANT LOSSES  | 8.15585    | gall per lb     | VARIANCE in gallons = GMQ - CES ACTUAL USE                     |                  | -858,193    | 0      |
| VOLUMETRIC CONVERSION                                       | 7.4805     | gallons per cft | AVERAGE WATER PRICE  | \$3.8745 / kGall |             |        |
| CONDENSATE RETURN SPEC. VO                                  | 15,689,859 | gallons         | CEPS PENALTY / BONUS   |                  | -\$3,325.07 | \$0.00 |
| GUARANTEED MAX QUANTITY                                     | 16,548,052 | gallons         | Average water price excludes sewer.                            |                  |             |        |
| CEPS ACTUAL USE   |            |                 | NOTE: Penalty at 100% of variance and Bonus at 25% of variance |                  |             |        |

**ELECTRICITY-TO-CHILLED WATER CONVERSION**

| CONTRACTUAL GUARANTEE        | 0.930      | kWh per ton-hr sold | CNE PENALTY/BONUS CALCULATION              |                     | PENALTY | BONUS       |
|------------------------------|------------|---------------------|--|---------------------|---------|-------------|
| Metering Inaccuracy Buffer   | 0%         |                     | RATE VARIANCE                              | kWh per ton-hr sold | 0.000   | 0.06360071  |
| GUARANTEED MAX QUANTITY      | 0.93000000 | kWh per ton-hr sold | CHILLED WATER SOLD                         | 62,986,231 ton-hrs  |         |             |
| CEPS FUEL EFFICIENCY ADJUSTM | 0.93000000 | kWh per ton-hr sold | VARIANCE in kWh = RATE VARIANCE x CHW SOLD |                     | 0       | 4,005,969   |
| CEPS ACTUAL CONVERSION RATE  | 0.86639929 | kWh per ton-hr sold | AVERAGE ELECTRIC PRICE                     | \$0.087014 / kWh    |         |             |
|                              |            |                     | CEPS PENALTY / BONUS                       |                     | \$0.00  | \$87,143.85 |

NOTE: Penalty at 100% of variance and Bonus at 25% of variance

**WATER-TO-CHILLED WATER CONVERSION**

| CONTRACTUAL GUARANTEE        | 2.000    | gall per ton-hr sold | CNE PENALTY/BONUS CALCULATION                  |                      | PENALTY     | BONUS  |
|------------------------------|----------|----------------------|--|----------------------|-------------|--------|
| Metering Inaccuracy Buffer   | 0%       |                      | RATE VARIANCE                                  | gall per ton-hr sold | -0.024138   | 0.000  |
| GUARANTEED MAX QUANTITY      | 2.000000 | gall per ton-hr sold | CHILLED WATER SOLD                             | 62,986,231 ton-hrs   |             |        |
| CEPS FUEL EFFICIENCY ADJUSTM | 2.000000 | gall per ton-hr sold | VARIANCE in gallons = RATE VARIANCE x CHW SOLD |                      | -1,520,338  | 0      |
| CEPS ACTUAL CONVERSION RATE  | 2.024138 | gall per ton-hr sold | AVERAGE WATER PRICE                            | \$3.8745 / kGall     |             |        |
|                              |          |                      | CEPS PENALTY / BONUS                           |                      | -\$5,890.55 | \$0.00 |

NOTE: Penalty at 100% of variance and Bonus at 25% of variance

**COMPARISON PREVIOUSLY BILLED VS. RECONCILED AMOUNTS**

| STEAM SYSTEM |                      |                     |                   | CHILLED WATER SYSTEM |                    |                    |                   |
|--------------|----------------------|---------------------|-------------------|----------------------|--------------------|--------------------|-------------------|
|              | CALCULATED           | RECONCILED          | VARIANCE          |                      | CALCULATED         | RECONCILED         | VARIANCE          |
| ELECTRIC     | \$12,007.27          | \$11,267.53         | (\$739.74)        | ELECTRIC             | \$86,013.70        | \$87,143.85        | \$1,130.15        |
| FUEL GAS     | (\$19,344.46)        | (\$17,662.67)       | \$1,681.79        | FUEL GAS             | \$0.00             | \$0.00             | \$0.00            |
| WATER        | (\$3,678.98)         | (\$3,325.07)        | \$353.91          | WATER                | (\$13,282.58)      | (\$5,890.55)       | \$7,392.03        |
| <b>TOTAL</b> | <b>(\$11,016.17)</b> | <b>(\$9,720.21)</b> | <b>\$1,295.96</b> | <b>TOTAL</b>         | <b>\$72,731.12</b> | <b>\$81,253.30</b> | <b>\$8,522.18</b> |

**COMPARISON AMOUNT COLLECTED BY METRO VS 97-13 CAP**

| FEA COLLECTED BY METRO |                      |                    |                    | FEA RECONCILED     | METRO OWES        | CUSTOMER OWES     |
|------------------------|----------------------|--------------------|--------------------|--------------------|-------------------|-------------------|
|                        | STEAM                | CHILLED WATER      | TOTAL              | CNE                | CNE *             | METRO             |
| ELECTRIC               | \$12,007.27          | \$86,013.70        | \$98,020.97        | \$98,411.38        | \$390.41          | \$390.41          |
| FUEL GAS               | (\$19,344.46)        | \$0.00             | (\$19,344.46)      | (\$17,662.67)      | \$1,681.79        | \$1,681.79        |
| WATER                  | (\$3,678.98)         | (\$13,282.58)      | (\$16,961.56)      | (\$9,215.62)       | \$7,745.94        | \$7,745.94        |
| <b>TOTAL</b>           | <b>(\$11,016.17)</b> | <b>\$72,731.12</b> | <b>\$61,714.95</b> | <b>\$71,533.09</b> | <b>\$9,818.14</b> | <b>\$9,818.14</b> |





### CNE INVOICE RECONCILIATION - FY 2021 - 2022

|     |                                 | 30,138     | 32,314     | 34,778     | 37,679      | 41,763     | 46,002     | 52,387     | 57,030     | 60,796     | 64,023     | 66,275     | 67,985     |  |             |
|-----|---------------------------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|--|-------------|
| 146 | End Reading                     |            |            |            |             |            |            |            |            |            |            |            |            |  |             |
| 147 | Period Use in units = 1 x mmBtu | 2,019      | 2,176      | 2,464      | 2,901       | 4,084      | 4,239      | 6,385      | 4,643      | 3,766      | 3,227      | 2,252      | 1,710      |  | 39,866      |
| 148 | <b>Condensate Return Temp</b>   | 184 °F     | 176 °F     | 168 °F     | 173 °F      | 167 °F     | 169 °F     | 169 °F     | 167 °F     | 167 °F     | 168 °F     | 180 °F     | 188 °F     |  | 171 °F      |
| 149 | <b>FT_4500: MUW, Stm.</b>       | 8,708,410  | 9,103,680  | 208,820    | 998,010     | 1,967,970  | 3,797,000  | 5,254,030  | 7,765,620  | 9,926,350  | 1,618,140  | 2,962,910  | 4,256,710  |  |             |
| 150 | End Reading                     | 9,103,680  | 208,820    | 998,010    | 1,967,970   | 3,797,000  | 5,254,030  | 7,765,620  | 9,926,350  | 11,618,140 | 2,962,910  | 4,256,710  | 5,429,800  |  |             |
| 151 | Period Use in units = 1 x GALL  | 395,270    | 767,960    | 789,190    | 969,960     | 1,829,030  | 1,457,030  | 2,511,590  | 2,160,730  | 1,691,790  | 1,344,770  | 1,293,800  | 1,173,090  |  | 16,384,210  |
| 152 | <b>FT_4200: MUW, CW.</b>        | 48,897,000 | 66,221,000 | 83,661,000 | 96,390,000  | 6,981,000  | 11,919,000 | 18,220,000 | 22,016,000 | 25,882,000 | 31,929,000 | 39,627,000 | 52,447,000 |  |             |
| 153 | End Reading                     | 66,221,000 | 83,661,000 | 96,390,000 | 106,981,000 | 11,919,000 | 18,220,000 | 15,791,000 | 25,882,000 | 31,929,000 | 39,627,000 | 52,447,000 | 69,255,000 |  |             |
| 154 | Period Use in units = 1 x GALL  | 17,324,000 | 17,440,000 | 12,729,000 | 10,591,000  | 4,938,000  | 6,301,000  | 3,796,000  | 3,866,000  | 6,047,000  | 7,698,000  | 12,820,000 | 16,808,000 |  | 120,358,000 |
| 155 | <b>FT_4100: MUW, CHW.</b>       | 23,286,600 | 24,900,900 | 26,699,400 | 28,831,800  | 31,158,000 | 33,403,700 | 35,818,300 | 37,291,900 | 37,452,000 | 37,634,100 | 37,901,500 | 38,124,400 |  |             |
| 156 | End Reading                     | 24,900,900 | 26,699,400 | 28,831,800 | 31,158,000  | 33,403,700 | 35,818,300 | 37,291,900 | 37,452,000 | 37,634,100 | 37,901,500 | 38,124,400 | 38,385,600 |  |             |
| 157 | Period Use in units = 1 x GALL  | 1,614,300  | 1,798,500  | 2,132,400  | 2,326,200   | 2,245,700  | 2,414,600  | 1,473,600  | 160,100    | 182,100    | 267,400    | 222,900    | 261,200    |  | 15,099,000  |
| 158 | <b>2" PLANT WATER</b>           | 53,436     | 53,436     | 0          | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |  | 0           |
| 159 | <b>UTILITY METER</b>            | 53,436     | 53,436     | 0          | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |  | 0           |
| 160 | Period Use in units = 1 x SCFT  | 0          | 0          | 0          | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |  | 0           |
| 161 | <b>6" PLANT WATER</b>           | 20,623     | 46,915     | 73,622     | 94,634      | 113,305    | 125,566    | 139,373    | 149,969    | 158,365    | 169,046    | 181,538    | 200,796    |  | 204,691     |
| 162 | <b>UTILITY METER</b>            | 46,915     | 73,622     | 94,634     | 113,305     | 125,566    | 139,373    | 149,969    | 158,365    | 169,046    | 181,538    | 200,796    | 225,314    |  |             |
| 163 | Period Use in units = 1 x SCFT  | 26,292     | 26,707     | 21,012     | 18,671      | 12,261     | 10,596     | 8,396      | 10,681     | 12,492     | 14,928     | 19,258     | 24,518     |  |             |
| 164 | <b>2" DOMESTIC WATER</b>        | 4,517.0    | 4,548.0    | 4,580.0    | 4,600.0     | 4,616.0    | 4,631.0    | 4,648.0    | 4,661.0    | 4,673.0    | 4,684.0    | 4,695.0    | 4,706.0    |  |             |
| 165 | <b>UTILITY METER</b>            | 4,517.0    | 4,548.0    | 4,580.0    | 4,600.0     | 4,616.0    | 4,631.0    | 4,648.0    | 4,661.0    | 4,673.0    | 4,684.0    | 4,695.0    | 4,706.0    |  |             |
| 166 | Period Use in units = 1 x SCFT  | 31         | 32         | 20         | 16          | 15         | 13         | 13         | 12         | 21         | 13         | 14         | 16         |  | 216         |

### PERFORMANCE CALCULATIONS

| Month |   | 7          | 8          | 9          | 10         | 11         | 12         | 13         | 14         | 15         | 16         | 17         | 18         |  | TOTAL               |          |
|-------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--|---------------------|----------|
| 171   | <b>ELECTRIC-to-STEAM CONVERSION</b>     |            |            |            |            |            |            |            |            |            |            |            |            |  |                     |          |
| 172   | Emainutility kWh                        | 7,821,828  | 8,026,676  | 5,803,392  | 5,045,488  | 2,697,548  | 3,180,240  | 2,259,964  | 2,179,492  | 3,006,752  | 3,606,176  | 5,714,072  | 7,262,528  |  | 56,604,156          |          |
| 173   | Echw,metered kWh                        | 7,651,642  | 7,867,547  | 5,656,803  | 4,879,701  | 2,424,863  | 2,909,576  | 1,977,055  | 1,941,763  | 2,750,065  | 3,382,790  | 5,553,973  | 7,112,703  |  | 54,108,480          |          |
| 174   | Esteam,metered kWh                      | 50,970     | 50,833     | 52,121     | 64,561     | 107,352    | 98,607     | 151,491    | 124,873    | 92,013     | 78,099     | 55,680     | 50,816     |  | 977,416             |          |
| 175   | Esteam,unmetered kWh                    | 283.0      | 274.0      | 364.0      | 528.0      | 1,672.0    | 1,311.0    | 2,899.0    | 2,193.0    | 1,251.0    | 821.0      | 364.0      | 256.0      |  | 12,216              |          |
| 176   | CAPACITY TEST ADJUSTMENT, kWh           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |  | 0                   |          |
| 177   | Esteam,total kWh                        | 51,253     | 51,107     | 52,485     | 65,089     | 109,024    | 99,918     | 154,390    | 127,066    | 93,264     | 78,920     | 56,044     | 51,072     |  | 989,632             |          |
| 178   | Customer Steam, Sn+e lbs                | 10,480,929 | 11,902,982 | 16,021,053 | 21,696,436 | 38,965,132 | 35,520,456 | 59,962,091 | 46,015,320 | 34,984,356 | 27,960,544 | 17,784,944 | 13,727,011 |  | 335,021,254         |          |
| 179   | nelec, actual kWh/klb                   | 4.890      | 4.294      | 3.276      | 3.000      | 2.798      | 2.813      | 2.575      | 2.761      | 2.666      | 2.823      | 3.151      | 3.721      |  | 2.953938            |          |
| 180   | <b>FUEL GAS-to-STEAM CONVERSION</b>     |            |            |            |            |            |            |            |            |            |            |            |            |  |                     |          |
| 181   | Metered Plant Steam Send-out lbs        | 17,046,000 | 18,855,000 | 22,008,000 | 27,061,000 | 42,921,000 | 40,959,000 | 63,529,000 | 49,412,000 | 39,795,000 | 33,237,000 | 24,291,000 | 19,242,000 |  | 398,356,000         |          |
| 182   | CAPACITY TEST ADJUSTMENT, lbs           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |  | 0                   |          |
| 183   | ADJUSTED Plant Steam SO lbs             | 17,046,000 | 18,855,000 | 22,008,000 | 27,061,000 | 42,921,000 | 40,959,000 | 63,529,000 | 49,412,000 | 39,795,000 | 33,237,000 | 24,291,000 | 19,242,000 |  | 398,356,000         |          |
| 184   | Natural Gas use, NG Dth                 | 23,116.0   | 25,517.4   | 30,657.6   | 37,627.5   | 59,950.0   | 56,728.5   | 88,968.8   | 68,646.4   | 55,933.0   | 45,773.0   | 33,515.6   | 26,067.0   |  | 552,500.8           |          |
| 185   | Propane Gas use, P gallon               | 0          | 0          | 0          | 0          | 0          | 180        | 0          | 8          | 0          | 0          | 0          | 0          |  | 270                 |          |
| 186   | Dth                                     | 0          | 0          | 0          | 0          | 0          | 16         | 0          | 8          | 0          | 0          | 0          | 0          |  | 24                  |          |
| 187   | CAPACITY TEST ADJUSTMENT, Dth           | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        |  | 0                   |          |
| 188   | TOTAL FUEL GAS USE Dth                  | 23,116.0   | 25,517.4   | 30,657.6   | 37,627.5   | 59,950.0   | 56,744.5   | 88,968.8   | 68,654.6   | 55,933.0   | 45,773.0   | 33,515.6   | 26,067.0   |  | 552,525.0           |          |
| 189   | nhhv,actual Dth/klb                     | 1.356      | 1.353      | 1.393      | 1.390      | 1.397      | 1.385      | 1.400      | 1.389      | 1.406      | 1.377      | 1.380      | 1.355      |  | 1.3870              |          |
| 190   | Condensate Return, CR gallon            | 1,632,700  | 1,858,100  | 2,226,750  | 2,514,327  | 3,695,987  | 3,799,710  | 5,700,899  | 4,231,633  | 3,415,448  | 2,912,612  | 1,864,774  | 1,346,682  |  | 35,199,622          |          |
| 191   | % of SO                                 | 78.12%     | 80.37%     | 82.52%     | 75.78%     | 70.23%     | 75.66%     | 73.19%     | 0.00%      | 0.00%      | 0.00%      | 0.00%      | 0.00%      |  | 72.07%              |          |
| 192   | Condensate Return Energy mmBtu          | 2,019      | 2,176      | 2,464      | 2,901      | 4,084      | 4,239      | 6,385      | 4,643      | 3,766      | 3,227      | 2,252      | 1,710      |  | 39,866              |          |
| 193   | Condensate Return Temperature avg       | 184 °F     | 176 °F     | 168 °F     | 173 °F     | 167 °F     | 169 °F     | 169 °F     | 167 °F     | 167 °F     | 168 °F     | 180 °F     | 188 °F     |  | 171 °F              |          |
| 194   | nhhv,guarantee Dth/klb                  |            |            |            |            |            |            |            |            |            |            |            |            |  | GUARANTEED MAX RATE | 1.379000 |
| 195   |   |            |            |            |            |            |            |            |            |            |            |            |            |  | CES FEA RATE        | 1.379000 |
| 196   | <b>WATER-to-STEAM CONVERSION</b>        |            |            |            |            |            |            |            |            |            |            |            |            |  |                     |          |
| 197   | Metered Steam Makeup, MW Gallons        | 395,270    | 767,960    | 789,190    | 969,960    | 1,829,030  | 1,457,030  | 2,511,590  | 2,160,730  | 1,691,790  | 1,344,770  | 1,293,800  | 1,173,090  |  | 16,384,210          |          |
| 198   | CAPACITY TEST ADJUSTMENT, Gallons       | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |  | 0                   |          |
| 199   | ADJUSTED Steam Makeup, MW Gallons       | 395,270    | 767,960    | 789,190    | 969,960    | 1,829,030  | 1,457,030  | 2,511,590  | 2,160,730  | 1,691,790  | 1,344,770  | 1,293,800  | 1,173,090  |  | 16,384,210          |          |
| 200   | Actual Steam Makeup, nwater Gallons     | 399,223    | 775,640    | 797,082    | 979,660    | 1,847,320  | 1,471,600  | 2,536,706  | 2,182,337  | 1,708,708  | 1,358,218  | 1,184,821  | 1,184,821  |  | 16,548,052          |          |
| 201   | Guarantee Steam Makeup, nguar. Gallons  | 525,934    | 521,798    | 542,433    | 924,208    | 1,801,608  | 1,405,679  | 2,401,751  | 2,100,866  | 1,683,453  | 1,337,016  | 1,280,616  | 1,164,497  |  | 15,689,859          |          |
| 202   | <b>ELECTRICITY-to-CHW CONVERSION</b>    |            |            |            |            |            |            |            |            |            |            |            |            |  |                     |          |
| 203   | Emainutility kWh                        | 7,821,828  | 8,026,676  | 5,803,392  | 5,045,488  | 2,697,548  | 3,180,240  | 2,259,964  | 2,179,492  | 3,006,752  | 3,606,176  | 5,714,072  | 7,262,528  |  | 56,604,156          |          |
| 204   | CAPACITY TEST ADJUSTMENT, kWh           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |  | 0                   |          |
| 205   | Echw,metered kWh                        | 7,651,642  | 7,867,547  | 5,656,803  | 4,879,701  | 2,424,863  | 2,909,576  | 1,977,055  | 1,941,763  | 2,750,065  | 3,382,790  | 5,553,973  | 7,112,703  |  | 54,108,480          |          |
| 206   | Esteam,total kWh                        | 51,253     | 51,107     | 52,485     | 65,089     | 109,024    | 99,918     | 154,390    | 127,066    | 93,264     | 78,920     | 56,044     | 51,072     |  | 989,632             |          |
| 207   | Echw,unmetered kWh                      | 42,749     | 42,646     | 39,762     | 40,254     | 38,389     | 39,232     | 38,628     | 34,757     | 37,921     | 35,940     | 36,519     | 35,948     |  | 1,506,044           |          |
| 208   | Echw,total kWh                          | 7,694,391  | 7,910,193  | 5,696,565  | 4,919,955  | 2,463,252  | 2,948,808  | 2,015,683  | 1,976,520  | 2,787,986  | 3,418,730  | 5,590,492  | 7,148,651  |  | 54,571,226          |          |
| 209   | Customer CHW, CHWs+e Ton-hrs            | 8,732,577  | 8,922,536  | 6,602,387  | 5,742,264  | 2,688,195  | 3,137,984  | 2,375,758  | 2,450,073  | 3,516,874  | 4,170,364  | 6,567,582  | 8,079,637  |  | 62,986,231          |          |
| 210   | nelec, actual kWh/ton-hr                | 0.881      | 0.887      | 0.863      | 0.857      | 0.940      | 0.940      | 0.877      | 0.807      | 0.793      | 0.820      | 0.851      | 0.885      |  | 0.866399            |          |
| 211   | <b>CW-to-CHW CONVERSION</b>             |            |            |            |            |            |            |            |            |            |            |            |            |  |                     |          |
| 212   | Cond Water Makeup incl loss, CM Gallons | 18,254,000 | 18,370,000 | 13,629,000 | 11,521,000 | 5,838,000  | 7,231,000  | 4,317,100  | 4,026,100  | 6,229,100  | 7,965,400  | 13,042,900 | 17,069,200 |  | 127,492,800         |          |
| 213   | Customer CHW, CHWs+e Ton-hrs            | 8,732,577  | 8,922,536  | 6,602,387  | 5,742,264  | 2,688,195  | 3,137,984  | 2,375,758  | 2,450,073  | 3,516,874  | 4,170,364  | 6,567,582  | 8,079,637  |  | 62,986,231          |          |
| 214   | nwater,actual Gallons/ton-hr            | 2.0903     | 2.0588     | 2.0643     | 2.0064     | 2.1717     | 2.3043     | 1.8171     | 1.6433     | 1.7712     | 1.9100     | 1.9860     | 2.1126     |  | 2.024138            |          |

**CNE INVOICE RECONCILIATION - FY 2021 - 2022**

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| <b>METER CHECKS AND ESTIMATES</b>           |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
|---|----------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|--------------------|--|
| <b>WATER METER CHECKS</b>                   |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
|   | 7              | 8                 | 9                 | 10                | 11                | 12               | 1                 | 2                | 3                | 4                | 5                | 6                 | TOTAL             |                    |  |
| Utility Meters - Utility Dates              | gallons        | 18,255,688        | 19,839,952        | 18,940,856        | 15,063,224        | 11,840,092       | 10,289,488        | 11,563,332       | 6,309,380        | 6,351,268        | 7,359,572        | 10,095,008        | 16,243,568        | 152,151,428        |  |
| Utility Meters - Customer Dates             | gallons        | 196,664           | 199,768           | 157,170           | 139,659           | 91,712           | 103,276           | 79,258           | 62,802           | 79,894           | 93,440           | 144,050           | 183,395           | 1,531,089          |  |
| variance (line 184-line 183)                | gallons        | -18,059,024       | -19,640,184       | -18,783,686       | -14,923,565       | -11,748,380      | -10,186,212       | -11,484,074      | -6,246,578       | -6,271,374       | -7,266,132       | -9,950,958        | -16,060,173       | -150,620,339       |  |
| % of TOTAL (line 183)                       |                | -99%              | -99%              | -99%              | -99%              | -99%             | -99%              | -99%             | -99%             | -99%             | -99%             | -99%              | -99%              | -98.99%            |  |
| <b>Plant Meters</b>                         |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
| CHW   | gallons        | 1,614,300         | 1,798,500         | 2,132,400         | 2,326,200         | 2,245,700        | 2,414,600         | 1,473,600        | 160,100          | 182,100          | 267,400          | 222,900           | 261,200           | 15,099,000         |  |
| CW  | gallons        | 17,324,000        | 17,440,000        | 12,729,000        | 10,591,000        | 4,938,000        | 6,301,000         | 3,796,000        | 3,866,000        | 6,047,000        | 7,698,000        | 12,820,000        | 16,808,000        | 120,358,000        |  |
| STEAM                                       | gallons        | 395,270           | 767,960           | 789,190           | 969,960           | 1,829,030        | 1,457,030         | 2,511,590        | 2,160,730        | 1,691,790        | 1,344,770        | 1,293,800         | 1,173,090         | 16,384,210         |  |
| <b>TOTAL</b>                                | <b>gallons</b> | <b>19,333,570</b> | <b>20,006,460</b> | <b>15,650,590</b> | <b>13,887,160</b> | <b>9,012,730</b> | <b>10,172,630</b> | <b>7,781,190</b> | <b>6,186,830</b> | <b>7,920,890</b> | <b>9,310,170</b> | <b>14,336,700</b> | <b>18,242,290</b> | <b>151,841,210</b> |  |
| variance (line 191-line 184)                | gallons        | 19,136,906        | 19,806,692        | 15,493,420        | 13,747,501        | 8,921,018        | 10,069,354        | 7,701,932        | 6,124,028        | 7,840,996        | 9,216,730        | 14,192,650        | 18,058,895        | 150,310,121        |  |
| % of TOTAL (line 184)                       |                | 105%              | 100%              | 82%               | 91%               | 75%              | 98%               | 67%              | 97%              | 123%             | 125%             | 141%              | 111%              | 98.79%             |  |
| <b>CW MUW CHECK</b>                         |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
| CHW Send-out                                | ton-hrs        | 9,117,300         | 9,323,600         | 6,874,500         | 6,008,600         | 2,994,800        | 3,745,800         | 2,553,200        | 2,530,000        | 3,649,000        | 4,346,700        | 6,871,100         | 8,535,800         | 66,550,400         |  |
| CW MUW Rate                                 | gall/ton-hr    | 1.900             | 1.871             | 1.852             | 1.763             | 1.649            | 1.682             | 1.487            | 1.528            | 1.657            | 1.771            | 1.866             | 1.969             | 1.809              |  |
| <b>FINAL MAKEUP WATER RESULTS</b>           |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
| CHW   | gallons        | 1,614,300         | 1,798,500         | 2,132,400         | 2,326,200         | 2,245,700        | 2,414,600         | 1,473,600        | 160,100          | 182,100          | 267,400          | 222,900           | 261,200           | 15,099,000         |  |
| CW  | gallons        | 17,324,000        | 17,440,000        | 12,729,000        | 10,591,000        | 4,938,000        | 6,301,000         | 3,796,000        | 3,866,000        | 6,047,000        | 7,698,000        | 12,820,000        | 16,808,000        | 120,358,000        |  |
| STEAM                                       | gallons        | 395,270           | 767,960           | 789,190           | 969,960           | 1,829,030        | 1,457,030         | 2,511,590        | 2,160,730        | 1,691,790        | 1,344,770        | 1,293,800         | 1,173,090         | 16,384,210         |  |
| <b>TOTAL</b>                                | <b>gallons</b> | <b>19,333,570</b> | <b>20,006,460</b> | <b>15,650,590</b> | <b>13,887,160</b> | <b>9,012,730</b> | <b>10,172,630</b> | <b>7,781,190</b> | <b>6,186,830</b> | <b>7,920,890</b> | <b>9,310,170</b> | <b>14,336,700</b> | <b>18,242,290</b> | <b>151,841,210</b> |  |
| variance (line 184)                         | gallons        | 19,136,906        | 19,806,692        | 15,493,420        | 13,747,501        | 8,921,018        | 10,069,354        | 7,701,932        | 6,124,028        | 7,840,996        | 9,216,730        | 14,192,650        | 18,058,895        | 150,310,121        |  |
| % of TOTAL (line 184)                       |                | 105%              | 100%              | 82%               | 91%               | 75%              | 98%               | 67%              | 97%              | 123%             | 125%             | 141%              | 111%              | 99%                |  |
| <b>STEAM PLANT MASS BALANCE CK</b>          |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
| STEAM SENDOUT                               | kibs           | 17,046            | 18,855            | 22,008            | 27,061            | 42,921           | 40,959            | 63,529           | 49,412           | 39,795           | 33,237           | 24,291            | 19,242            | 398,356            |  |
| STEAM PRODUCTION                            | kibs           | 19,785            | 22,589            | 27,010            | 32,059            | 51,566           | 49,816            | 75,479           | 59,596           | 48,141           | 40,331           | 29,782            | 22,175            | 478,329            |  |
| variance                                    | kibs           | -2,739            | -3,734            | -5,002            | -4,998            | -8,645           | -8,857            | -11,950          | -10,184          | -8,346           | -7,094           | -5,491            | -2,933            |                    |  |
| <b>CALC'D LOSSES</b>                        |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
| BLOWDOV4%                                   | kibs           | 791               | 904               | 1,080             | 1,282             | 2,063            | 1,993             | 3,019            | 2,384            | 1,926            | 1,613            | 1,191             | 887               | 19,133             |  |
| DEA VENT0.50%                               | kibs           | 99                | 113               | 135               | 160               | 258              | 249               | 377              | 298              | 241              | 202              | 149               | 111               | 2,392              |  |
| <b>TOTAL CALC'D LOSSES</b>                  | <b>kibs</b>    | <b>890</b>        | <b>1,017</b>      | <b>1,215</b>      | <b>1,443</b>      | <b>2,320</b>     | <b>2,242</b>      | <b>3,397</b>     | <b>2,682</b>     | <b>2,166</b>     | <b>1,815</b>     | <b>1,340</b>      | <b>998</b>        | <b>21,525</b>      |  |
| <b>CONDENSATE RETURN</b>                    |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
| 8.15585                                     | kibs           | 16,327,000        | 1,858,100         | 2,226,750         | 2,514,327         | 3,695,987        | 3,799,710         | 5,700,899        | 4,231,633        | 3,415,448        | 2,912,612        | 1,864,774         | 1,346,682         | 35,199,622         |  |
| 8.3453                                      | kibs           | 13,316            | 15,154            | 18,161            | 20,506            | 30,144           | 30,990            | 46,496           | 34,513           | 27,856           | 23,755           | 15,209            | 10,983            | 287,083            |  |
| <b>TOTAL LEAVING PLANT</b>                  | <b>kibs</b>    | <b>17,936</b>     | <b>19,872</b>     | <b>23,223</b>     | <b>28,504</b>     | <b>45,241</b>    | <b>43,201</b>     | <b>66,926</b>    | <b>52,094</b>    | <b>41,961</b>    | <b>35,052</b>    | <b>25,631</b>     | <b>20,240</b>     | <b>419,881</b>     |  |
| <b>TOTAL ENTERING PLANT</b>                 | <b>kibs</b>    | <b>16,615</b>     | <b>21,563</b>     | <b>24,747</b>     | <b>28,601</b>     | <b>45,408</b>    | <b>43,149</b>     | <b>67,456</b>    | <b>52,545</b>    | <b>41,974</b>    | <b>34,977</b>    | <b>26,006</b>     | <b>20,773</b>     | <b>423,814</b>     |  |
| OVERAGE / SHORTFALL                         | kibs           | -1,322            | 1,692             | 1,524             | 97                | 166              | 530               | 451              | 13               | 75               | 375              | 533               | 3,933             |                    |  |
| % of TOTAL                                  |                | -7.4%             | 8.5%              | 6.6%              | 0.3%              | 0.4%             | -0.1%             | 0.8%             | 0.9%             | 0.0%             | -0.2%            | 1.5%              | 2.6%              | 0.94%              |  |
| <b>FINAL CONDENSATE RETURN CALCULATIONS</b> |                |                   |                   |                   |                   |                  |                   |                  |                  |                  |                  |                   |                   |                    |  |
| RECALC'D TOTAL ENTERING                     | kibs           | 18,474            | 20,468            | 23,920            | 29,359            | 46,598           | 44,497            | 68,933           | 53,657           | 43,220           | 36,103           | 26,400            | 20,847            |                    |  |
| RECALC'D COND. RETURN                       | kibs           | 15,176            | 14,059            | 17,334            | 21,264            | 31,335           | 32,337            | 47,973           | 35,625           | 29,102           | 24,881           | 15,603            | 11,057            |                    |  |
| gallons                                     |                | 1,860,722         | 1,723,768         | 2,125,361         | 2,607,228         | 3,842,016        | 3,964,932         | 5,882,078        | 4,367,993        | 3,568,198        | 3,050,687        | 1,913,102         | 1,355,749         |                    |  |



# Exhibit 1



NASHVILLE, TENNESSEE

## EXHIBIT 1 - CALCULATION DETAIL FOR PLANT PERFORMANCE PER APPENDIX 19

## ELECTRICITY-TO-STEAM CONVERSION

|     |  |            |                 |
|-----|--|------------|-----------------|
| (1) | E (MainUtility) = total electric use per main utility meters                                     |            | 56,604,156 kWh  |
| (2) | E (Steam,metered) = metered electric use for steam plant   |            | 977,416 kWh     |
|     | MCC-3  | 198,125    |                 |
|     | MCC-4  | 779,291    |                 |
| (3) | E (CHW,metered) = metered electric use for chilled water plant                                   |            | 54,108,480 kWh  |
|     | SWGR-2A  | 6,467,540  |                 |
|     | SWGR-2B  | 15,566,840 |                 |
|     | SWGR-3A  | 8,614,070  |                 |
|     | SWGR-3B  | 11,867,540 |                 |
|     | SWGR-4A  | 3,182,816  |                 |
|     | SWGR-4B  | 2,098,954  |                 |
|     | SWGR-5A  | 1,947,175  |                 |
|     | SWGR-5B  | 1,289,222  |                 |
|     | MCC-1  | 1,522,552  |                 |
|     | MCC-2  | 1,551,771  |                 |
| (4) | Esteam,unmetered = un-metered electric use for steam plant = [ (2) / (1) ] x [ (1) - (2) - (3) ] |            | 26,217 kWh *    |
| (5) | Echw,unmetered = un-metered electric use for chilled water plant = (1) - (2) - (3) - (4)         |            | 1,492,043 kWh * |
| (6) | Esteam,total = total electric use for steam plant = (2) + (4)                                    |            | 1,003,633 kWh * |
| (7) | Customer Steam Sales, metered + unmetered  |            | 335,021,254 lbs |

$$n \text{ (elec): Actual Steam Plant Electric Conversion} = (6) / [(7) \times 0.001] = 2.996 \text{ kWh/klb}$$

## NATURAL GAS-TO-STEAM CONVERSION

|      |  |           |                   |
|------|--|-----------|-------------------|
| (8)  | NG = Total Natural Gas Use per main utility meters |           | 552,500.8 Dth     |
| (9)  | P = Total Propane Gas                              |           | 24 Dth            |
| (10) | HHV = Higher Heating Value of Propane              |           | 1.002052 Btu/scft |
| (11) | SO = Plant Steam Send Out                          |           | 398,356,000 lbs   |
|      | Meter Reading at the beginning, n-1                | 1,092,349 |                   |
|      | Meter Reading at the end, n                        | 1,490,705 |                   |
|      | Units of Measure                                   | 1 x SCFT  |                   |

$$n \text{ (HHV): Actual Plant Efficiency} = [(8) + (9) \times (10)] / [(11) \times 0.001] = 1.387 \text{ Dth/klb}$$

|      |  |            |                       |
|------|--|------------|-----------------------|
| (12) | CR = Condensate Return per plant meter |            | 35,199,622 gallons ** |
|      | Meter Reading at the beginning, n-1    | 78,456,600 |                       |
|      | Meter Reading at the end, n            | 29,511,704 |                       |
|      | Units of Measure                       | 1 x SCFT   |                       |
| (13) | H = Condensate Return energy           |            | 39,866 mmBtu          |
|      | Meter Reading at the beginning, n-1    | 28,119     |                       |
|      | Meter Reading at the end, n            | 67,985     |                       |
|      | Units of Measure                       | 1 x MMBTU  |                       |

$$T \text{ (cr,avg): Average Condensate Return Temperature} = 171 \text{ }^{\circ}\text{F}$$



NASHVILLE, TENNESSEE

**EXHIBIT 1 - CALCULATION DETAIL FOR PLANT PERFORMANCE PER APPENDIX 19**

**WATER-TO-STEAM CONVERSION**

|      |  |           |                    |
|------|--|-----------|--------------------|
| (14) | MW = Steam system makeup water plant meter |           | 16,384,210 gallons |
|      | <i>Meter Reading at the beginning, n-1</i> | 8,708,410 |                    |
|      | <i>Meter Reading at the end, n</i>         | 5,429,800 |                    |
|      | <i>Units of Measure</i>                    | 1 x SCFT  |                    |

**n (water): Actual steam plant water use = (14) \* 1.01 = 16,548,052 gallons**

**G (water): Guaranteed steam plant water use = [ (11) / 8.15585 - (12) = 15,689,859 gallons**

**ELECTRICITY-TO-CHILLED WATER CONVERSION**

|      |  |                   |
|------|--|-------------------|
| (15) | E (chw,total) = Total CHW Electric use = (3) + (5) = | 55,600,523 kWh *  |
| (16) | Customer CHW Sales, metered + unmetered              | 62,986,231 tonhrs |

**n (elec): Actual chilled water plant electric conversion = (15) / (16) = 0.883 kw/ton**

**CONDENSER WATER-TO-CHILLED WATER CONVERSION**

|      |  |                     |                        |
|------|--|---------------------|------------------------|
| (17) | CM = water makeup                          |                     | 127,492,800 gallons ** |
|      | <i>Meter Reading at the beginning, n-1</i> | 48,897,000          |                        |
|      | <i>Meter Reading at the end, n</i>         | 69,255,000          |                        |
|      | <i>Units of Measure</i>                    | 1 x GALL            |                        |
|      | Cooling Tower Makeup                       |                     | 120,358,000            |
|      | <i>Meter Reading at the beginning, n-1</i> | 23,286,600          |                        |
|      | <i>Meter Reading at the end, n</i>         | 38,385,600          |                        |
|      | <i>Units of Measure</i>                    | Excess of Daily Cap |                        |
|      | EDS ChW Makeup                             |                     | 7,134,800              |

**n (water): Actual chilled water plant conversion = (17) / (16) = 2.024 gal/ton-hr**

NOTES: \* - There is a 15,886 kWh variance from the FEA due to rounding errors resulting from monthly vs. annual summation.

\*\* - Estimated due to incorrect totalization resulting from "low flow cut-off".



# Exhibit 2



2022  
Information Technology Services Program

*for*





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## **Networks**

The Operating System for the Metro Nashville District Energy System (DES) Energy Generation Facility (EGF) was provided and installed by Siemens Building Technologies. This System has recently been upgraded from Apogee Insight to Desigo CC. This software controls all the equipment and machinery in the plant.

Metro had a T-1, fiber optic, line installed to the EGF so that Metro representatives could access the Metro.gov network from the Metro office.

Constellation Energy Solutions, LLC (CES) installed an Administrative Computer Network to be used for non-operating office functions, such as, the Computerized Maintenance Management System data base (CMMS), e-mail, reporting, accounting, customer billing, etc. The following addresses equipment, programs and scheduled activities to support this network.

## **Hardware**

The computer equipment in the EGF belongs to Metro. CNE is obligated to provide equipment which meets or exceeds industry standards. The following table shows equipment acquired by CES for the Nashville DES:

|  |
|--|
| <b><u>Equipment</u></b>  |
| <b><u>Plant Server</u></b><br>Dell PowerEdge T330/1 x Xeon e3-1200 v6 3.00 GHz Processor/64 GB RAM/RAID 5 Configuration/DVD drive                        |
| <b><u>Siemens Server</u></b><br>Dell Precision 5820/duel Xeon W-2223 3.6 GHz Processor/16 GB RAM/RAID 5 Configuration/DVD drive                          |
| <b><u>Firewall</u></b><br>Sonicwall TZ 400   |
| <b><u>Desktop Computers</u></b><br>Dell OptiPlex 7080 small frame with Intel Core i7-10700 Processor, 16 GB Ram, 2.90 GHz , x64 based processor, 1 TB HD |
| <b><u>Monitors</u></b><br>Dell Professional E2420HS 24" Ultra Sharp LCD Flat Panel   |
| <b><u>Laptop Computers</u></b><br>Dell Vostro 15 5501, with Intel i7-1065G7, 15.6 HD Display, 1.50GHz, x64 based processor, 16 GB Ram, 500 GB Hard Drive |
| <b><u>Docking Stations</u></b><br>Dell D6000 Universal Docking Station<br>Ultra slim, wireless, keyboard & mouse   |

Per industry standards, computer hardware should be replaced every three to five years. This equipment was most recently replaced in 2020. The Siemens server was replaced in 2020. The CNE server was replaced with a solid-state Dell T330 in 2018. An equipment inventory is located on page 5 of this document.

CNE has a performance contract with Metro to operate and manage the Nashville DES. With the exception of a designated work station in the Metro office, CNE will have exclusive use of and responsibility for this equipment in the same way CNE has exclusive rights to boilers, chillers, pumps, etc., as long as the ARMA is in effect.

**Software**

Each server has the following software installed:

|                         |  |
|-------------------------|--|
| <b>Operating System</b> | Microsoft 8 R2 Server/Microsoft Server 2016 Standard |
| <b>Data base</b>        | Microsoft SQL 2008                                   |
| <b>AntiVirus</b>        | Malwarebytes   |

Each computer has the following software installed:

|   |   |
|---|---|
| <b>Operating System</b>                   | Windows10 Professional  |
| <b>Microsoft Office Professional 2019</b> | Word, Excel, Power Point, Outlook, One Note, Office Publisher |
| <b>AntiVirus</b>                          | Malwarebytes  |

Additional software installed on specific machines includes:

- Adobe Acrobat Professional 2019 - General Manager, Operations Manager, Administrative Operations Representative and I&C Technician.
- I-Maint - Control Room, Plant Operations Manager, Maintenance Office, Electrical Office and Metro office.

**Connectivity**

|                            | <b>Metro</b> | <b>Constellation</b> |
|----------------------------|--------------|----------------------|
| <b>Internet Connection</b> | Fiber optic  | Comcast Cable        |

CNE accesses customer meter data through the internet. The State has granted CNE access to their building meters through a VPN at no cost. Metro building meters are accessed through the fiber optic line Metro installed to the EGF.

**Metro Access to Data**

A Dell desktop computer, furnished by CNE, is located in the Metro office at the EGF. The purpose of this computer is to give Metro administrative access to plant data. CNE personnel check to make sure the required data files are transferred from the CNE Administrative server to the Metro work station periodically. These include: a copy of the Siemens data base, the I-Maint CMMS data base, customer billing system data and customer meter data.

## **Data Backup and Storage**

CES's Administrative Server is backed up continuously. The offsite, online repository used by CES is Carbonite.

The Siemens SQL database is also backed up to Carbonite. Other trend data is manually backed up on two external drives every Monday, the last day of the month and when any changes or updates are made.

Metro, at their own expense, back up data from the computer in the Metro Office to Carbonite. This is maintained by Metro's Contract Administrator.

If issues cause data not to transfer, CES will assist a Metro Representative with trouble shooting. CES personnel check to see if there have been any software security updates and make corrections to reestablish connectivity. Metro checks their backup at least once per month. From time to time, Metro has to purge old data or purchase additional storage space.

## **Support and Service**

### *Administrative System*

A four-year extended service plan was purchased from Dell for all of the new hardware. CNE has contracted with a third-party vendor, Vertical IT Solutions, LLC, for ITS service and support. These services include:

1. Installation and set up of new work stations and servers. Fully test and verify set up.
2. Provide information technology consulting, support and maintenance services to maintain the IT infrastructure at the Energy Generation Facility. This includes: Server and desktop hardware support, troubleshooting, repairing or replacement of system components and peripherals.
3. Hardware support will include and may not be limited to: memory upgrades, hard disk replacement, network card replacement, system board replacement and hardware accessories installation.
4. Software support includes installation, configuration, and troubleshooting of the supported applications. This will also include monthly patches, anti-virus and security upgrades.
5. Response time for critical system and system-down issues will be within 4 hours and non-critical system tasks will be resolved within 24 hours. An on-site equipment inspection will be performed at least once per month.

### *Operating System*

The new Siemens Desigo CC control system has a one-year warranty beginning in January 2021. Constellation Energy will continue to have Siemens repair, replace and maintain their proprietary equipment when the warranty expires. Services will include: annual software updates, annual network maintenance, annual preventative maintenance to modular panels, routine backups, diagnostics and operator coaching.

## *Cyber Security*

Access to the server room is behind a, key card monitored, locked door.

There is no outside connectivity to the Siemens server. Building automation is segregated on a separate network. There is no WiFi or Bluetooth on the Siemens network.

The administrative network server is behind a Sonicwall TZ400 firewall. There is no wireless access to the network inside the firewall. Remote access requires a VPN. All network traffic is monitored by Malwarebytes software. Sonicwall and Malwarebytes firmware is kept up to date.

CNE employees receive Cyber Security Awareness training and Phishing training.

### **Program Review**

The Information Technology Services Program is reviewed with Metro annually and updated as required. A summary of revisions and changes will be included in the Annual Report. If no changes are made, a statement to that effect will be included.

## **Hardware Inventory**

There are two servers, four laptops and ten desktop workstations. Below is a detailed list of what is included at each workstation and where each is located (Equipment descriptions are located in the Hardware section of this program above).

| <b>Office Location</b>                     | <b>Computer</b>                     | <b>ID Number</b>                   | <b>Monitor</b>                       | <b>Keyboard &amp; Mouse</b> |
|--|-------------------------------------|------------------------------------|--------------------------------------|-----------------------------|
| Data Room                                  | 2-Servers                           | CPKGM83 (Siemens)<br>8P8RMN2 (CNE) | 2-24" Flat Panels                    | 1-each                      |
| Metro Office                               | 1-Desktop                           | GBX8673                            | 1-24" Flat Panel                     | 1-each                      |
| General Manager                            | 1-Laptop with<br>Docking Station    | 5R20763                            | 1-24" Flat Panel                     | 1-each                      |
| Operations Manager                         | 1-Laptop with<br>Docking Station    | 1K20763                            | 1-24" Flat Panel                     | 1-each                      |
| Finance & Administration<br>Representative | 1-Laptop with<br>Docking Station    | D7PRO43                            | 1-24" Flat Panel                     | 1-each                      |
| Customer Service<br>Representative         | 1-Desktop                           | GBX7673                            | 1-24" Flat Panel                     | 1-each                      |
| Electrical Office                          | 1-Desktop                           | GBX1J63                            | 1-24" Flat Panel                     | 1-each                      |
| Instrumentation & Controls<br>Technician   | 1-Laptop                            | 2MTZ663                            | N/A                                  | N/A                         |
| Maintenance Office                         | 1-Desktop                           | GBWYH63                            | 1-24" Flat Panel                     | 1-each                      |
| Operations Office                          | 1 - Desktop<br>1-Docking<br>Station | GBWZH63<br>N/A                     | 2-24" Flat Panels                    | 1-each                      |
| Reception Area                             | 1-Docking<br>Station                | N/A                                | 1-24" Flat Panel                     | 1-each                      |
| Control Room                               | 3 Desktops                          | GBX9673<br>GHJXH63<br>GBX0J63      | 8-24" Flat Panels                    | 1-each                      |
| Control Room (Security)                    | 1 Desktop                           | BYPC8M2                            | 1-23" Flat Panel<br>1-42" Flat Panel | 1-each                      |



# Exhibit 3



## **Constellation Energy Solutions, LLC Assets**

(Equipment used at MNDES owned by CES)

- 2011 GMC Canyon Crew Cab Pickup Truck
- 2015 Chevrolet 3500 Crew Cab Flatbed Pickup Truck
- 2016 Ford F-150 Crew Cab Pickup Truck
- Ecom Combustion Analyzer
- Fluke Multi-meter
- Fluke Insulation Tester (megger)
- Greenlee Circuit Analyzer
- Fluke Clamp Meter
- Fluke 87 Multi-meter
- Salisbury Audio/Visual Voltage Detector
- Quad Tech Decade Resistor
- Fluke 719 Pro Pressure Calibrator
- Piecal Thermocouple Tester
- Altek loop Calibrator
- Fluke 45 Dual Display Multi-meter
- Hart Scientific Temperature Bath
- Miller Bobcat 225 Welding Machine
- Miller Bobcat 250 Welding Machine
- Hytorc Hydraulic Torque Wrench System
- Milwaukee Electric Mag-base drill press
- Ryobi portable pressure washer
- Miller Filtair 130 Welding Fume Extractor
- Miller CST 280 Welding Machine
- Goodway RAM-4 Tube Cleaning Machine
- Goodway Cooling Tower Vacuum System
- Vestil 2,000 lb. Capacity Aluminum A Frame
- Vestil 4,000 lb. Capacity Aluminum A Frame
- Vestil 8,000 lb. Capacity Steel A Frame
- 2,000 lb. Capacity Electric Chain Hoist
- 1,000 lb. Capacity Electric Chain Hoist
- 3 – Bucks of scaffolding with braces, safety pins, handrails, walk boards and kick plates
- Hyster Model S50XM Lift Truck
- Buffalo Vaneaxial Exhaust Fan
- Generac XG 10000E Generator
- H&H Pump Com Hydraulic Powered Dewatering Pump (Green Machine)
- Trane 3,400 lb. Refrigerant Recovery Tank
- Service First Refrigerant Recovery Machine





- Distribution Truck hand tools, cones, pry bars, hoses, pumps, etc.
- 2 – 4 ft. Fiberglass step ladders
- 3 – 6 ft. Fiberglass step ladders
- 1 – 8 ft. Fiberglass step ladder
- 2 – 10 ft. Fiberglass step ladders
- 1 – 10 ft. Fiberglass straight ladder
- 1 – 12 ft. Fiberglass step ladder
- 1 – 20 ft. Fiberglass extension ladder
- 1 – 24 ft. Fiberglass extension ladder
- 1 – 40 ft. Fiberglass extension ladder
- 4 – 2 ft. portable staircases
- 2 – 5 ft. portable staircases
- 2 – 5 ft. portable staircases
- Zoll AED & cabinet
- Epson Video Projector
- 3-OKI printers
- 2-HP printers
- 1-Brother Printer
- 27" JVC TV
- JVC VCR/DVR
- Honda self-propelled Push Mower
- Echo Weed eater
- Echo back pack blower
- 2 – Kerosene torpedo heaters
- 40 cal rated high voltage suit with hood and fan
- 1 pair 10 kV gloves
- 1 pair 20 kV gloves
- Arc protection face shield
- 20 kV mat
- Hot stick
- Voltage detector (Glow stick)
- Remote switch operator (Chicken switch)
- Ricoh Copier (Leased)



# Exhibit 4

## 2022 Inventory

| Quantity | Description                                       | Location             |
|----------|---|----------------------|
| 4        | 4 inch 150# Buttweld Valves                       | Connex               |
| 5        | ATS 2 inch TP2W-121 300°F 150 psi 8 inch travel   | Connex               |
| 1        | ATS 3 inch TP2W-121 300°F 150 psi 4 inch travel   | Connex               |
| 1        | ATS 18 inch TP2W-131 500°F 300 psi 12 inch Travel | Chiller Alley        |
| 1        | Re-wound Toshiba 350HP CWP Motor                  | Chiller Alley        |
| 1        | Trane Chiller Seal Ring                           | Maintenance Shop     |
| 1        | Trane Chiller Vane Actuator                       | Maintenance Shop     |
| 1        | Trane Motor Changeout Gasket Kit                  | Maintenance Shop     |
| 1        | Trane Heater Element                              | Maintenance Shop     |
| 1        | Trane Vane Operator Assembly                      | Maintenance Shop     |
| 1        | Trane Chiller Oil Regulator Valve                 | Maintenance Shop     |
| 12       | Trane Chiller Oil Filters                         | Maintenance Shop     |
| 1 Lot    | Goulds Pumps Misc. Gaskets, o-rings, etc          | Maintenance Shop     |
| 1        | Shaft Sleeve- CWP                                 | Maintenance Shop     |
| 2        | Shaft Sleeves- BFWP                               | Maintenance Shop     |
| 1        | 175# Boiler Safety Valve                          | Mezzanine            |
| 1        | 185# Boiler Safety Valve                          | Mezzanine            |
| 1        | 35# Deaerator Safety Valve                        | Mezzanine            |
| 1        | 60 HP Cooling Tower Fan Motor                     | Mezzanine            |
| 1        | Cooling Tower Fan Shaft                           | Mezzanine            |
| 2        | Cooling Tower Belts                               | Mezzanine            |
| 1        | Weil 460V Sump Pump                               | Mezzanine            |
| 1        | Weil 208V Sump Pump                               | Mezzanine            |
| 6        | Temperature Sensors- Trane                        | Maintenance Office   |
| 5        | Wiring Harnesses- Trane                           | Maintenance Office   |
| 5        | Solenoid Valves-Trane                             | Maintenance Office   |
| 1        | Chiller Purge Unit- Trane                         | Mezzanine            |
| 6        | Air Compressor Filters                            | Maintenance Office   |
| 2        | Differential Gauges- Air Compressor               | Maintenance Office   |
| 2        | Pressure Switch- Air Compressor                   | I&E Lab              |
| 6        | Weksler Thermometer 30/240F                       | Main Electrical Room |
| 6        | Weksler Thermometer 0/120F                        | Main Electrical Room |
| 2        | Weksler Thermometer 50/550F                       | Main Electrical Room |
| 10       | Trerice Thermometer 0/100F                        | Main Electrical Room |
| 4        | Trerice Thermometer 50/550F                       | Main Electrical Room |
| 1        | Siemens Control Valve 1" 274-03131                | Main Electrical Room |
| 1        | Siemens Control Valve 2" 274-03134                | Main Electrical Room |
| 11       | Brass Temperature Wells (assorted lengths)        | Main Electrical Room |
| 3        | Stainless Temperature Wells (assorted lengths)    | Main Electrical Room |
| 2        | Trerice Steam Pressure Gauge 0-300 psi            | Main Electrical Room |
| 4        | Trerice CHW Pressure Gauge 0-300 psi              | Main Electrical Room |
| 4        | Steam Pressure Pigtails                           | Main Electrical Room |
| 8        | Yokogawa Steam & CHW Converter Cables             | Main Electrical Room |
| 1        | Yokogawa Pressure Transmitter 0-200 psi           | Main Electrical Room |
| 1        | Yokogawa Pressure Transmitter 0-290 psi           | Main Electrical Room |
| 1        | Yokogawa Temperature Transmitter                  | Main Electrical Room |

## 2022 Inventory

| Quantity | Description  | Location             |
|----------|--|----------------------|
| 1        | DP Transmitter for Manhole 18                        | Main Electrical Room |
| 2        | Yokogawa Steam Flow Converter                        | Main Electrical Room |
| 2        | Yokogawa Mag Flow Converter                          | Main Electrical Room |
| 6        | Yokogawa Transmitter Mounting Brackets               | Main Electrical Room |
| 1        | Yokogawa 6 inch MV Steam Flow Meter                  | Main Electrical Room |
| 1        | Yokogawa 10 inch Mag Flow Meter                      | Main Electrical Room |
| 1        | Yokogawa ADMAG AXF Flow Meter                        | Main Electrical Room |
| 1        | Yokogawa 2 inch MV Steam Flow Meter                  | Main Electrical Room |
| 2        | Maxon Gas Valves for Boilers                         | Main Electrical Room |
| 3        | Hubbell Replacement High Bay Lenses                  | Main Electrical Room |
| 1        | Siemens Load Center 12-24 120/208 VAC MLO Panel      | Main Electrical Room |
| 1        | ABZ028 Valve Actuator                                | Main Electrical Room |
| 1        | ABZ015 Valve Actuator                                | Main Electrical Room |
| 1        | 100 ft of SOOW 6/4 Cable for Temporary Boiler        | Main Electrical Room |
| 4        | DAMAR 400 watt Metal Halide Ballasts                 | Main Electrical Room |
| 4        | DAMAR 175 watt Metal Halide Ballasts                 | Main Electrical Room |
| 5        | DAMAR Compact Flourescent Ballasts                   | Main Electrical Room |
| 5        | DAMAR Compact Flourescent Bulbs                      | Main Electrical Room |
| 4        | DAMAR 400 watt Metal Halide Bulbs                    | Main Electrical Room |
| 5        | DAMAR 175 watt Metal Halide Bulbs                    | Main Electrical Room |
| 2        | Tunnel Light Fixtures                                | I&E Lab              |
| 18       | F32T8 Lamps  | Main Electrical Room |
| 13       | F96T8 Lamps  | Main Electrical Room |
| 16       | F25T8 Lamps  | Main Electrical Room |
| 4        | 27 watt LED Lamps                                    | Main Electrical Room |
| 3        | 18 watt LED Lamps                                    | Main Electrical Room |
| 2        | 5 watt LED Lamps                                     | Main Electrical Room |
| Various  | Miscellaneous Electrical Wire sizes and amounts      | Main Electrical Room |
| Various  | Miscellaneous Instrumentation Wire sizes and amounts | Main Electrical Room |
| 2        | Johnson Controls Pressure Switches                   | Main Electrical Room |
| 1        | Coilhouse 27FC4-M Air Pressure Regulator             | Main Electrical Room |
| 6        | Pressure Gauge 0-30 psi                              | I&E Lab              |
| 12       | Pressure Gauge 0-100 psi                             | I&E Lab              |
| 7        | Pressure Gauge 0-160 psi                             | I&E Lab              |
| 17       | Pressure Gauge 0-300 psi                             | I&E Lab              |
| 6        | Pressure Gauge 0-600 psi                             | I&E Lab              |
| 2        | Siemens AEM Micro Server                             | I&E Lab              |
| 2        | Mercoid Switches                                     | I&E Lab              |
| Various  | Misc. Electrical Switches                            | I&E Lab              |
| Various  | Misc. Electrical Relays                              | I&E Lab              |
| Various  | Misc. Electrical Connectors                          | I&E Lab              |
| 3        | United Electric DP Switches                          | I&E Lab              |
| 1        | Fire-eye Boiler Flame Scanner                        | I&E Lab              |
| 2        | Power Supply for Chiller Starters                    | I&E Lab              |
| 1        | Power Supply for CX/GX Panels                        | I&E Lab              |
| 1        | Boiler Gas Valve Rebuild Kit                         | I&E Lab              |

## 2022 Inventory

| Quantity | Description                                      | Location             |
|----------|--|----------------------|
| 1        | Walchem Conductivity Contrller & Probe           | Main Electrical Room |
| 1        | Chiller Flow Switch IFM                          | I&E Lab              |
| Various  | Misc. Breakers                                   | I&E Lab              |
| 1        | Flow Meter for Water Softeners                   | I&E Lab              |
| 1        | Netbiter Temp Data Collection at Customer Bldgs. | I&E Lab              |
| Various  | Misc. Fire Alarm Parts                           | I&E Lab              |
| 18       | Glass Fuse Holders                               | I&E Lab              |
| 5        | Misc Control Transformers                        | I&E Lab              |
| 3        | E-Stop pushbuttons                               | I&E Lab              |
| Various  | Misc. Tunnel Radio Parts                         | I&E Lab              |
| 1        | GE 850 Multilin Relay                            | I&E Lab              |
| 1        | WEG Propane Pump Motor                           | Mezzanine            |
| 1        | Cooling Tower Basin Heater                       | I&E Lab              |
| 8        | gallons - Distilled Water                        | I&E Office           |

- Note: 1. Miscellaneous nuts, bolts, pipe fittings, consumable items, etc. are not listed  
 2. Spare parts are considered property of Metro