



Fiscal Year 2015-2016

Annual Report

for the



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Executive Summary

On behalf of Constellation NewEnergy, Inc. (CNE), operator of the Metro Nashville District Energy System (DES), I am pleased to present the thirteenth “*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, 2015 through June 30, 2016.

CNE’s exceptional, experienced work force continues to operate and maintain the DES in a manner that produces outstanding results. The contractual guarantees were met again this year. Availability and reliability of both steam and chilled water was greater than 99%. There were no reportable or lost time accidents and I am happy to report that CNE’s environmental record at this facility is perfect with zero excursions, violations or fines since commercial operations began on December 16, 2003. All verification data, records, reporting requirements and submittals are kept up to date and in order.

With the enormous amount of growth taking place in Nashville, CNE and the DES team continue to meet with potential new customers; however, since the DES is near its capacity limit, Metro’s temporary moratorium on the pursuit of new customers is still in effect. Realistically, new buildings directly adjacent to the facility could be provided steam and chilled water using the EGF’s current equipment. Benefits of adding additional capacity are currently being contemplated. The installation of Combined Heat and Power (CHP) at the EGF consisting of a gas fired turbine, generator, heat recovery boiler and absorption chiller has been discussed. Due to the current limitations, CNE’s primary focus has been on the existing DES customers.

As we discovered last year, growth is not without its challenges. Last year a contractor drilled in to the EDS chilled water lines on two separate occasions. This year, two different contractors installing fiber optic cables bored holes in two of our manhole vaults. Thankfully, the steam and chilled water lines were not damaged.

The heating plant’s primary fuel is natural gas. When the plant was built, the EGF entered in to an agreement with the gas company to be an interruptible customer to get more favorable rates. Since that time, growth and the fact that prices are more reasonable than they have been in years, has increased the demand for natural gas. The problem is; the infrastructure has not kept up with demand.

For the past couple of years, when temperatures have become extremely cold, the gas company has exercised their right to curtail natural gas to our facility. This caused CNE and the DES team to investigate back-up fuel alternatives. Both parties agreed that propane continued to be the most advantageous. At Metro’s request, CNE submitted a revised Propane Acquisition Plan. One option in the contingency plan was to purchase propane at a lower rate during the cooling season and store it off-site until needed. This past year, this was done. Following a milder than expected winter, there



were no natural gas curtailments, so at the end of the heating system the propane stored off-site was sold.

CNE personnel have done an excellent job operating and maintaining an aging system. In addition to their routine business activities, CNE employees have volunteered and participated in community outreach programs, such as, Second Harvest Food Bank, American Cancer Society, Hands on Nashville, etc. I am proud of the effort and work they put in.

As we complete the thirteenth year of our initial contract term, I would like to congratulate everyone from Metro and CNE for their commitment toward achieving the past year's objectives. I continue to believe through cooperation, communication and teamwork, our success will continue in the future.

Sincerely,

Tim Hestle
Plant/General Manager



Monthly Operations Report Summary

Constellation NewEnergy, Inc. (CNE) submits a written report to the Metro Nashville District Energy System (DES) team on or about the 10th 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 was one scheduled steam outage July 19-20, 2015 and no chilled water outages during the year. Some customers requested service interruptions so they could make repairs in their respective buildings. With the exception of some minor upsets discussed in the following “*Plant Reliability*” section, service has been uninterrupted.

The plant is fully staffed with an outstanding work force. There were no reportable or lost time accidents for the year. Training classes were conducted in conjunction with the monthly Safety Meetings. Employees also received training related to plant systems, equipment and corporate programs and requirements. For the thirteenth 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 might have are dealt with courteously and expeditiously. All customers are reported to be satisfied with the services we are providing.

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 Nashville District Energy System Invitational Golf Tournament took place at Indian Hills Golf Course in Murfreesboro, Tennessee, on July 11, 2015. This year marked the 23rd



Anniversary of this event and was the 12th consecutive year it has been put on by Constellation Energy. This event was attended by customers, employees, contractors, vendors, friends and family. As usual, it was a tremendous success.

- A meeting was held with the water treatment vendor on July 24, 2015 to review FY14-15 results and the annual true-up.
- CNE and DES representatives met with the Nashville Convention Center Re-development Team on August 5, 2015.
- Miller-Motte College students toured the EGF August 5, 2015.
- CNE's Plant General Manager met with an Engineer working for Lifeway Christian Resources August 6, 2015 regarding their potential new building.
- The MNDES Advisory Board met in the EGF conference room on August 20, 2015.
- A representative from The American Red Cross provided First Aid, CPR and AED training for CNE employees on August 18th and 21st.
- CNE employees attended an open house at Mechanical Resource Group September 11, 2015.
- CNE managers attended an Emergency Response training seminar at Piedmont Natural Gas September 15, 2015.
- CNE managers attended the Downtown Partnership Awards Banquet at the Renaissance Hotel September 24, 2015.
- A representative from Tracer Electronics demonstrated their underground pipe locating equipment September 25, 2015.
- The final version of the Annual True-up & Annual Report was issued September 28, 2015.
- CNE and DES representatives met with the C. B. Ragland development Team on September 30, 2015 regarding a new building they plan to construct on Molloy Street. The discussions were centered on DES easements and right-of ways.
- CNE managers participated in a fund raising event for the Second Harvest Food Bank October 12, 2015.
- A meeting was held with the water treatment vendor on October 23, 2015 to review first quarter results.



- CNE employees and family members participated in the American Cancer Society “Making Strides against Breast Cancer” fund raising walk October 10, 2015. Several hundred dollars were collected and donated.
- CNE employees participated in the Hands on Nashville “Energy Projects for Veterans” on November 10, 2015.
- The Fall 2015 MNDES eNewsletter was issued November 13, 2015.
- The MNDES Advisory Board met in the EGF conference room on November 19, 2015.
- A facility insurance inspection was conducted November 30, 2015. One recommendation is still pending.
- A Representative of the National Hockey League toured the EGF December 3, 2015. He was in town making preparations for the NHL All-Star Game slated to be held in Nashville on January 31, 2016. Constellation has earned the distinction of being the preferred energy provider for the NHL.
- On December 4, 2015, the local gas company, Piedmont Natural Gas, announced they were being acquired by Duke Energy.
- CNE and TEG met with a 501 Union Building representative January 20, 2016 to discuss his bill and related building inefficiencies.
- A meeting was held with the water treatment vendor on January 21, 2016 to review second quarter results.
- CNE provided Metro a revised Propane Acquisition Plan January 29, 2016.
- The NHL All-Star Game was held in Nashville on January 31, 2016 at the Bridgestone Arena. The Arena is a DES customer.
- CNE managers attended leadership training seminar in Baltimore, MD February 2, 2016. ON February 16, 2016, a second group of managers attended leadership training in Houston, TX.
- The MNDES Advisory Board met in the EGF conference room on February 18, 2016.
- Lee Company representatives toured the EGF February 26, 2016.
- CNE employees participated in the Hands on Nashville Energy Project for a disabled lady on November 10, 2015. It was an uplifting experience.



- CNE and TEG met with developers of the “Bobby Boutique Hotel” on March 9, 2016 to determine construction loads and future load needs. This hotel is being constructed in the Wells Fargo Building.
- Bridgestone America engineers toured the EGF March 11, 2016.
- The Constellation/Pepeco merger was completed March 23, 2016.
- Fellon-McCord, CNE’s natural gas consultant, issued an RFP for the MNDES FY17 Natural Gas supply contract March 28, 2016.
- Vanderbilt University engineering students toured the EGF March 31, 2016.
- CNE Managers attended the annual Tennessee 811 meeting April 7, 2016.
- A review of the time-of-use electrical billing system modifications was conducted on April 21, 2016.
- A meeting was held with the water treatment vendor on April 22, 2016 to review third quarter results.
- The Spring 2016 MNDES Spring eNewsletter was issued April 22, 2016.
- CNE Managers attended a fund raiser for childhood cancer research May 16th.
- The MNDES Advisory Board met in the EGF conference room on May 19, 2016.
- The FY17 Natural Gas supply contract was executed with CNEG May 24, 2016.
- The Annual MNDES Customer Meeting was held in the Downtown Partnership meeting room on May 26, 2016.
- CNE submitted Small Business Participation documents to Metro May 31, 2016.
- CNE’s Plant General Manager attended the National Boiler Service annual meeting in Alabama June 3, 2016.
- Pepco Energy Services personnel toured the EGF June 22, 2016.
- Miller-Motte students toured the EGF June 27, 2016.



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 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 7, 2015, the steam system dropped to 148.4 psi for 30 minutes while an SE-2 was testing the low water cut out on a boiler that had recently been returned to service.

There was a scheduled steam system outage July 19-20, 2015. The 24 hour outage was completed in 22 hours.

The steam system dropped to 102.3 psi on August 5, 2015 due to the feedwater regulating valve not operating properly on #3 Boiler. The pressure was below 150 psi for approximately 75 minutes.

The steam system dropped to 132.8 psi on August 20, 2015 due to testing the low water cut out switch on #3 Boiler. The pressure was below 150 psi for approximately 60 minutes.

On August 26, 2015, a steam leak was discovered on the dripleg in Manhole B. The steam system pressure was lowered at approximately 8:00 p.m. and eventually taken offline at 10:00 p.m. The mechanical contractor made the necessary repairs and the boilers were restarted at 1:30 a.m. on August 27, 2015. The system was back above 30 psi by approximately 2:00 a.m and full system pressure was restored by 4:30 a.m.

The steam system dropped to 147 psi on September 3, 2015 for approximately 30 minutes while opening the steam valve in Manhole 18 to repressurize the system following emergency steam repairs.

The steam system dropped to 135 psi on October 17, 2015 for approximately 45 minutes. While blowing down a boiler, it tripped offline, but was immediately restarted.

There was one reportable chilled water supply temperature excursion on November 4, 2015 when a contractor accidentally tripped Switchgear 3A while performing electrical maintenance. The temperature was above 43.3°F for approximately 42 minutes with a high temperature of 46.7°F.

On January 18, 2016, the EGF experienced a significant pressure drop in the chilled water system. A serious leak was discovered on a pump at the John Sevier Building. CNE Maintenance personnel were called in to isolate the building. When this was done, chilled water service returned to normal.



On January 21, 2016, at approximately 6:30 a.m, #1 Boiler tripped and caused a dip in the in steam pressure. The boiler was restarted and while this boiler was being brought online, #4 Boiler tripped. At this point, CNE I & E and Maintenance personnel were sent to troubleshoot the problem. They checked the boiler feedwater pressure and the plant control air system and found both to be operating properly. They also investigated the safety circuits on each unit and found no problems.

The plant natural gas inlet pressure to the burner front was found to be lower than normal. The natural gas supplier was notified and the boilers were operated at a lower firing rate to enable customers to receive 60 to 75 psi until their crew could arrive. Piedmont Natural Gas personnel found the main pressure regulator not operating properly which caused the boilers to trip on low gas pressure. They opened the bypass around the faulty regulator and all boilers were able to be placed in service at full load. Piedmont rebuilt the main gas regulator and replaced the inlet filters. There have been no fuel supply problems with the boilers since this time.

On February 11, 2016, plant steam flow began fluctuating between 30,000 and 60,000 pph. This usually indicates a PRV or safety valve issue in one of the customer buildings. CNE personnel were dispatched to investigate the distribution system and customer locations. CNE's Customer Service Representative remotely checked customer metering and also called several of the larger customers. No customer flow issues were discovered. The system fluctuation decreased to between 10,000 and 15,000 pph. The following day, the steam load fluctuation began again. After additional troubleshooting, it was determined that the Boiler Master Pressure Controller was not working properly. The boilers were placed in manual and the Boiler Master was replaced. C-Tech was called in to tune the controller. The system was placed back in automatic and has been working properly since this time.

Steam pressure readings indicated the system was operating below 150 psi from February 13th – 17th. I & E personnel determined the pressure was not actually below 150 psi. After the transmitter was calibrated, it began recording values approximately 10 psi low. The pressure transmitter was replaced on February 17, 2016 and is now reading correctly.

On February 19, 2016, CNE I & E personnel replaced the batteries in the plant UPS. While placing the unit back in service, the proper steps were not followed correctly. Control power was lost to the chillers which caused them to trip offline. The units were immediately restarted and the UPS was put back in service. The chilled water temperature was above the reportable threshold for approximately 38 minutes with a peak supply temperature of 45.7°F.

On February 29, 2016 the steam pressure dropped to 144 psi for approximately 30 minutes while placing another boiler into service.

On March 4, 2016, while starting up Chillers 7 & 8, following Eddy Current Testing, the machines failed to load up properly. Trane requested that we run them at lower loads to remove air from the system. The chilled water temperature reached a high of 44.2°F during the 62 minutes that the system was above the reportable temperature value of 43.3°F.



On March 14, 2016, while starting and stopping chillers for Trane to perform the annual run inspections, the chilled water temperature reached a high of 45.9°F during the 30 minutes it was above the reportable limit.

On June 15, 2016, #4 Boiler tripped offline due to low water. Another feedpump was started and the boiler placed back in service. The pressure dropped to 112 psi and was below 150 psi for approximately 60 minutes.

On June 21, 2016, while cleaning up around the boilers, an employee accidentally opened a drain valve on the boiler master differential pressure transmitter. Upon realizing this, it was immediately closed but caused the boiler pressure to rise and the safety valve to lift. The safety valve failed to re-seat and another boiler was placed into service. The safety valve has been replaced and a plug was installed on the blowdown valve to prevent this from re-occurring. The steam pressure dropped to a low of 96 psi and was below 150 psi for approximately 60 minutes.

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). This year there was one scheduled steam outage.

	Downtime		Availability	Reliability
	Scheduled	Unscheduled		
Boilers	1320 minutes	840 minutes	99.59%	99.84%
Chillers	0 minutes	172 minutes	99.97%	99.97%

Plant Efficiency

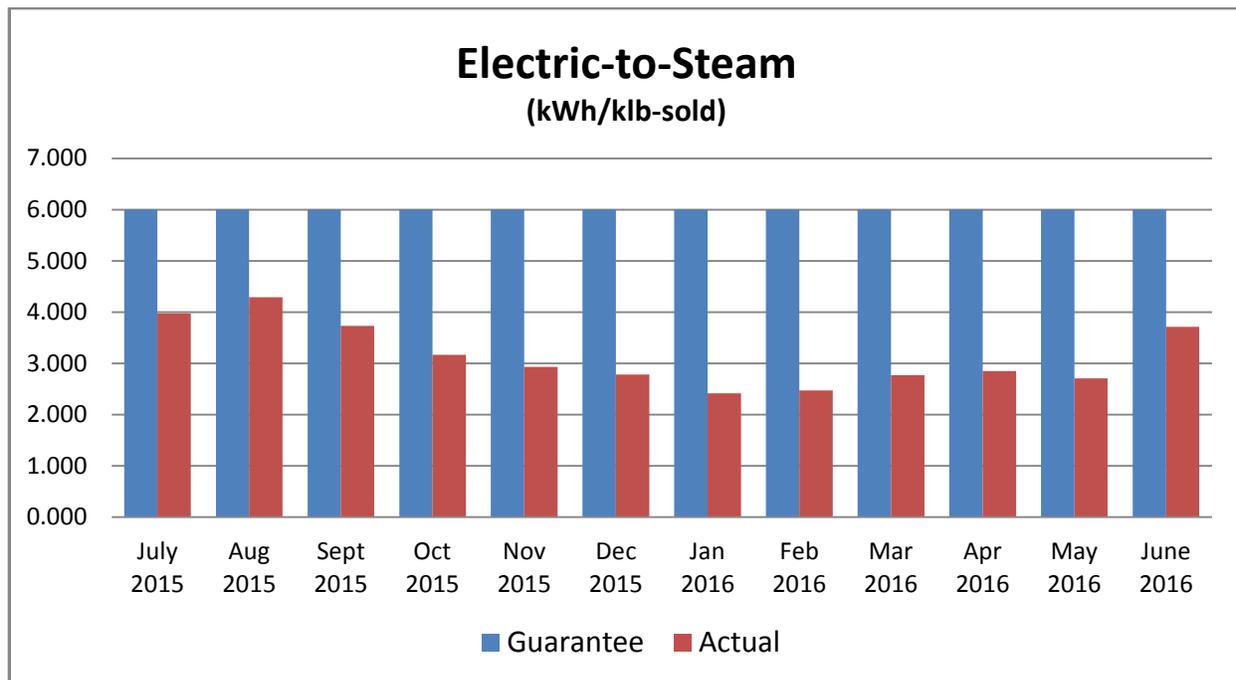
As usual, following the annual boiler inspections at the end of July 2015, two boilers were placed in wet lay-up, one in stand-by, and one de-aerator tank was isolated due to the reduced steam demand during the summer months. One boiler and one de-aerator were left on line. This equipment is rotated monthly. This is done to increase steam efficiency during the cooling season. Stand-by boilers are taken out of wet lay-up and the second DA Tank was put back in service during the month of November in preparation for the heating season.

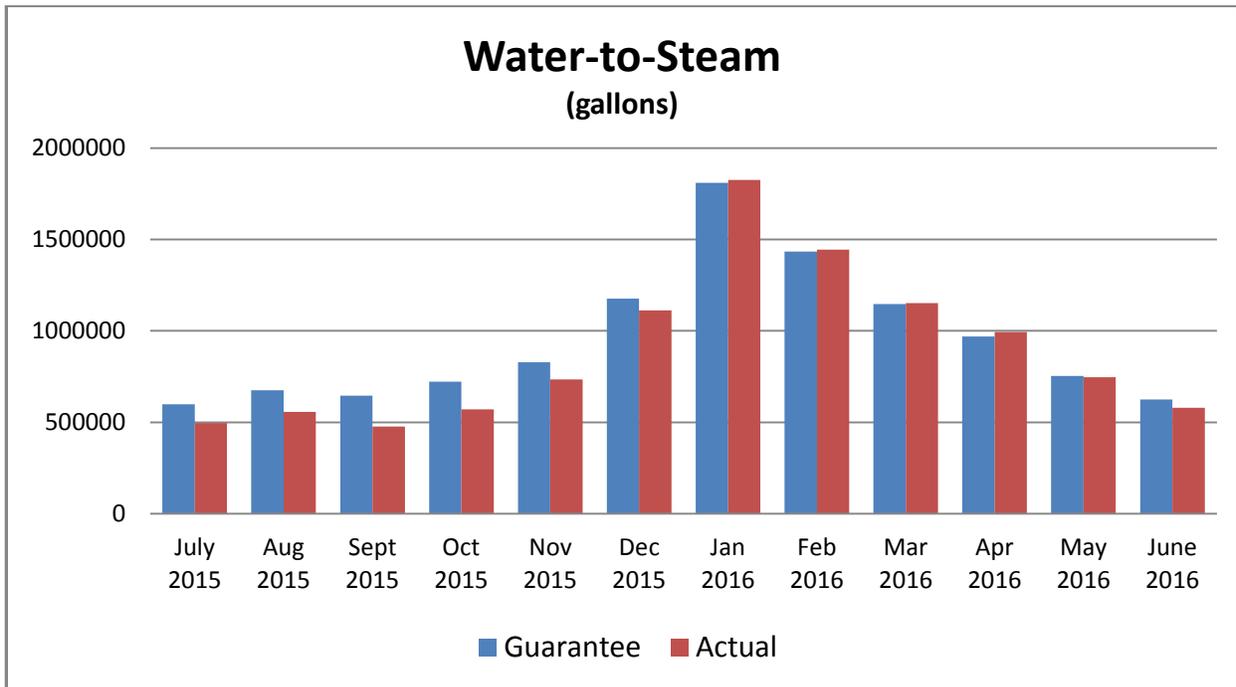
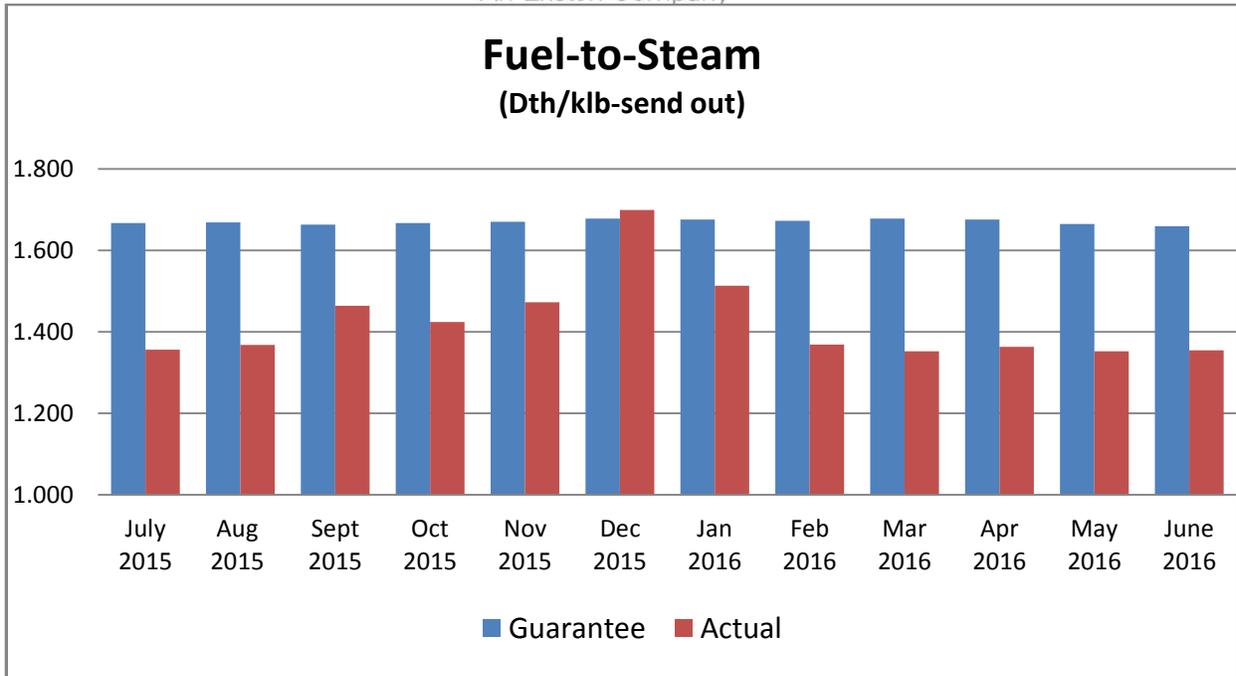
Constellation submitted the final version of the Metro DES annual reconciliation for FY15-16 on October 11, 2016. The annual reconciliation for this time period consisted primarily of a true-up for chemicals. For reference, the annual reconciliation is included in Appendix 4 of this report.

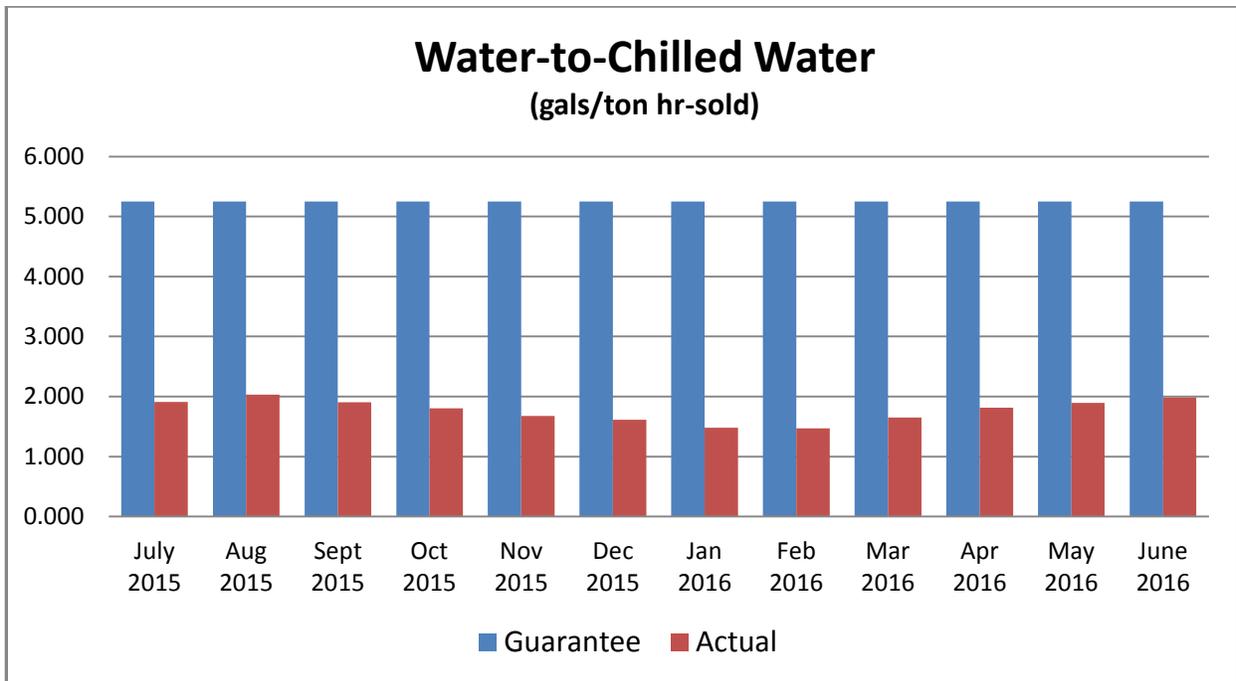
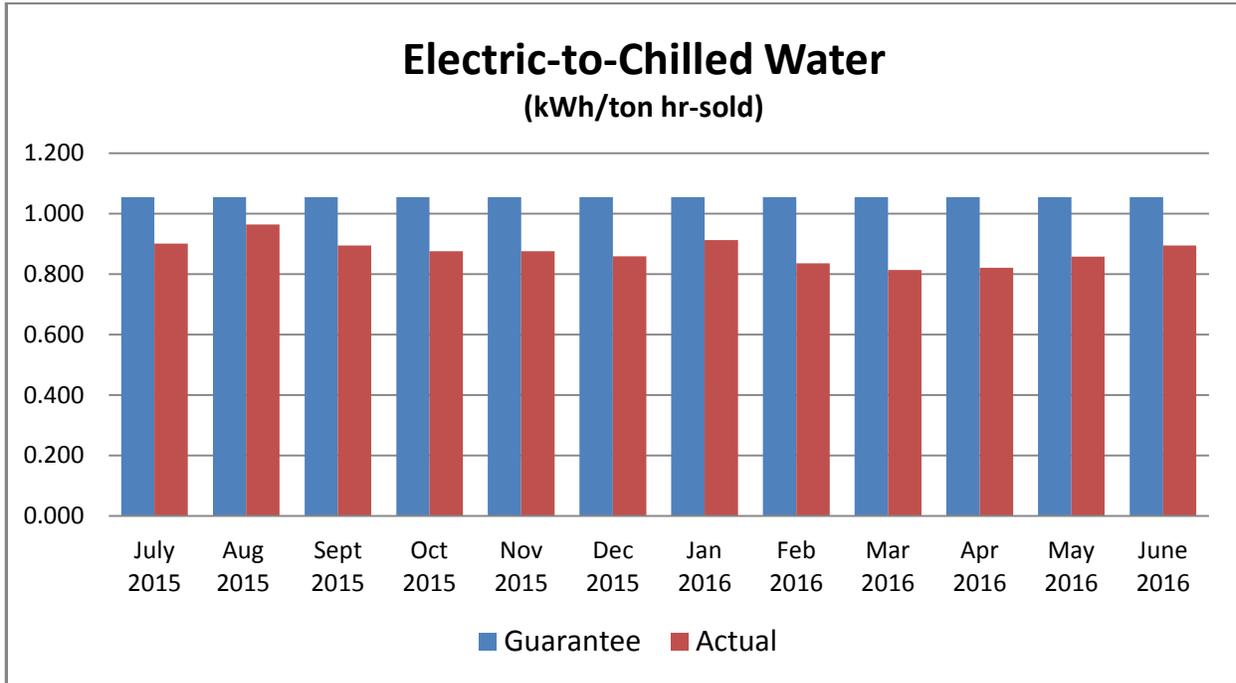
Constellation Energy’s efficiency guarantees consist of five key conversion rates:

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 following graphs represent the efficiency guarantee results from July 2015 through June 2016:









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. A Storm Water Pollution Prevention Plan (SWPPP) and a Spill Prevention Controls and Countermeasures (SPCC) refresher training class was also conducted.

Regulatory Compliance

Required reporting activities were submitted as follows:

- The Semi-Annual Emissions Monitoring Report for January-June 2015 was sent to the Metro Nashville Health Department on July 14, 2015.
- The Semi Annual Monitoring Report for July-December 2015 was sent to the Metro Health Department on January 12, 2016.
- The Title V Certificate of Compliance for 2015 was sent to the EPA on January 27, 2016. A copy was also sent to the Metro Health Department the same day.
- The Annual Tier II Report for 2015 was sent to the State Emergency Planning Commission, Nashville Fire Department and Davidson County LEPC on January 28, 2016.
- The Annual Emission Inventory Report for 2015 was sent to the Metro Health Department on February 10, 2016. The Annual Emission Fees were also sent in on that date.
- The Annual Greenhouse Gas Report was sent to the U.S. EPA on February 17, 2016.

Health

Due to the increasing cost of health insurance and Constellation's commitment to their employee's wellbeing, several programs are offered throughout the year. Many Nashville employees have taken advantage of a healthy eating program and a walking challenge program.

Safety

CNE plant personnel continue to conduct themselves in a safe manner. There were no reportable or lost time accidents in the past year.



Monthly safety meetings were coordinated and scheduled by the CNE Operations Manager/Safety Officer. Training classes are conducted in conjunction with each safety meeting. Safety and accident reports are issued and posted each month.

The refrigerant alarm, escape devices 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 standards regarding the electrical code and arc flash hazards, our “hot stick” and “High Voltage Glove Kits” were sent out for inspection and recertification.

Accident Report

	Total Accidents	OSHA Reportable	Lost Time Accidents	Total Lost Days
July 2014	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 2015	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
Total	0	0	0	0



System Assessment and Status

Personnel

The plant is fully staffed with an exceptional work force. CNE prides itself on keeping employees engaged which results in a very low turnover rate. There were no personnel changes during FY15-16.

Training

In order 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:

- CNE employees completed corporate Annual Security Awareness Training, Annual Ethics Training & FERC Training in September 2015.
- CNE employees completed corporate Retail Power Compliance Training
- CNE employees completed corporate Environmental Management Training
- CNE Managers attended an Emergency Response training seminar at Piedmont Natural Gas on September 15, 2015.
- CNE's Maintenance Supervisor attended a Seminar on October 27, 2015 related to the changes in the Tennessee Underground Utility Damage Prevention Act.
- CNE's Operations Manager and Maintenance personnel were trained in the use of the Tracer Electronics line locating equipment on December 18, 2015.
- One group of CNE Managers attended a Leadership Training Class on February 2, 2016 in Baltimore, MD. A second group of CNE Managers attended the same training on February 16, 2016 in Houston, TX.
- CNE Managers received training on new corporate "Fusion" financial software March 17, 2016.
- Several employees completed corporate on-line Health and Wellness classes in June 2016.



Training classes conducted in conjunction with our monthly safety meetings included:

- Lock out/Tag out
- Safe Work Practices
- Elevated Work & Vehicle Safety
- Personal Protective Equipment
- Chemical Safety, Hazard communications & Safety Data Sheets (SDS)
- Emergency Preparedness
- Fire Safety (Annual Fire Extinguisher refresher conducted by the Metro Fire Department)
- Accident Investigation, Reporting & Record Keeping (conducted by the Constellation's Plant Safety Officer)
- Confined Space Entry
- Storm Water Pollution Prevention Plan & Spill Prevention, Controls & Countermeasures (conducted by the Constellation's Corporate EHS Manager)
- Bloodborne Pathogens, Heat Stress & Cold Stress
- Steam Safety & Refrigerant Safety (conducted by the Constellation's Plant Safety Officer)

Note: Unless otherwise specified, all safety classes were conducted by Hazmat Training, LLC.



Customer Service

CNE 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 trouble-shooting 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.

The annual DES customer meeting took place May 26, 2016 in the Downtown Partnership conference room. The state of the EDS, upcoming projects, fuel costs, Time-of-Use Rate Structure and many other issues were discussed.

DES customers are routinely invited to participate in the CNE/Nashville District Energy System Annual Golf Tournament, attend Tennessee Titans football games or meet for breakfast or lunch. These relationships help further a positive image of the DES in the community and promote existing building owners to assist us in our sales efforts.

CNE's Customer Service Representative reviews each customers 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 DES Contract Administrator for review and evaluation. If a capacity adjustment is deemed appropriate, CNE assists by setting up a meeting with the customer. During these meetings an explanation of the adjustment is discussed. The reason for the excursion is investigated and suggestions are made to keep it from reoccurring.

For the first time in the history of the DES, services were isolated and locked out to a customer building for non-payment. Services were restored, later that day, when payment was received.



Energy Generation Facility and Equipment Maintenance

During the course of 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 replacing dead plants. The building and grounds are policed and the lighting is maintained year round. The carpets are shampooed in the office areas, the tile floors are stripped and waxed and the restroom floors are cleaned 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 cell, 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 Arise Incorporated. 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 #1 de-aerator tank were inspected in July 2015. #1 and #3 boilers and #2 de-aerator tank were recently inspected in June 2016. All units received a passing grade and their respective permits have been renewed. #2 and #4 boilers are scheduled to be re-inspected in July 2016.

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

Annual chiller inspections, although not required, 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 #7, #8 and #9 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 as on all pumps, fans and motors. These readings are compared to the previous year's readings. All readings were within the normal range.

Infrared testing was conducted on all electrical switchgears and starters. No problems were found as a result of this testing.



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

Information Technology System Program

The Information Technology System Program is reviewed with Metro annually. The last review was conducted on September 2, 2015. One change was made in the past year. Anti-malware software was installed. A copy of the program is included in Exhibit 2 of this report.

Repairs and Replacements

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

July 2015

- Replaced belt on #8 Cooling Tower
- Re-routed safety valve piping on #1 Deaerator
- Replaced sight glasses on #2 and #4 Boilers
- Trane replaced Purge Unit on #5B Chiller
- Cleaned coils on #3 Air Handling Unit
- Replaced 6" gate valve on Plant PRV station
- Re-positioned Deaerator bypass valves and installed chain operators for better access
- Replaced 6" Butterfly isolation valve on Softeners
- Replaced suction hoses, discharge hoses and fittings on MBC 231 Chemical Pump

August 2015

- Replaced bearings and seals on #3 BFWP
- Metro Water Services tested the EGF irrigation system backflow preventer. It passed inspection
- Cleaned out and flushed MBC 231 Chemical Tank
- Replaced panic bar on main entry door
- Replaced fittings and tubing on MBC 231 Chemical Pump
- Replaced belt on #1 AHU
- Replaced the discharge pressure gauge on #4 CHWP

September 2015

- Replaced batteries in Emergency Lights 1 and 6
- Calibrated the O₂ Analyzer on #3 Boiler



- Adjusted belts on #9, #11 and #15 Cooling Towers
- Replaced pressure gauges on propane storage tank

October 2015

- Installed of new tank, containment vessel, pump, piping and wiring for feeding Biocide in to the Chilled Water system
- Reset Oil pump regulator on Chiller 2B
- Replaced belts on #11 and #12 Cooling Towers
- Replaced flame scanner on #1 Boiler
- Repaired Cooling Tower Makeup Valve
- Mowed lawn bi-weekly
- Repaired Propane System
 - While testing the propane system in September, it was discovered there was no fuel in the storage tank. Suburban Propane Company was engaged to check the system for leaks and check the tank gauges proper operation. Suburban put 1,080 gallons of propane in the storage tank, found 3 minor leaks and repaired them. CNE repaired the level gauge and replaced the pressure gauge. The system was tested and at the conclusion of the test, approximately 360 gallons remained in the tank. The following day, the tank was empty again. All above ground fittings were found to be leak free, so CNE conducted a pressure test on the buried fuel line between the pump skid and the vaporizer. This line did not hold pressure. PPMI was hired to excavate the line and make the necessary emergency repairs. Two holes were discovered in the piping. 20 feet of the fuel line was replaced 10/12/15. This corrected the problem. The parking lot was repaired 10/17/15 and CNE replaced the lost propane inventory.

November 2015

- Repaired emergency stop switch on Propane System
- Replaced the oil heater on Chiller 7B
- Replaced ΔP Switch on #1 CHWP
- Replaced belt on #3 Cooling Tower

December 2015

- Handrails were fabricated and installed on both ends of Cooling Tower upper access area
- Installed 2 new Control Room Monitors
- Replaced ΔP Switch on #2 CHWP
- Light bulbs and ballasts were replaced on the exterior of the Plant
- Adjusted belts on #3, #10, #14 and #15 Cooling Towers
- Winterized boiler room area

January 2016

- Tuned all four Boilers
- Goodwin Boiler Service repaired tube leak on #2 Boiler

- Replaced a Maxon Valve on #1 Boiler
- Light bulbs and ballasts were replaced throughout the Plant
- Belts were adjusted on #1 and #11 Cooling Towers
- Repaired leak on chemical feed line to #4 Boiler
- Repaired Sulfite feed line to #2 DA Tank
- Replaced gasket on #5 Chiller condenser head
- Installed new flame scanner on #2 Boiler
- Contractor stripped and waxed tile floors and cleaned carpet in office area

February 2016

- Re-tuned all four Boilers following repair of natural gas regulator
- Replaced Cooling Tower Conductivity Probe
- Replaced Transformer Fan Controller on Switchgear 4A
- Replaced discharge hose on CWT 8490 Chemical Pump
- Repaired leak on MBC 211 Chemical line
- Calibrated Main Steam Pressure Transmitter
- Replaced Batteries on Plant UPS
- Replaced Boiler Master Pressure Controller (C-Tech tuned controller)
- Replaced the oil heater in Chiller 2A

March 2016

- Replaced motor on #5 Condenser Water Pump
- Replaced coupling on #4 Condensate Pump
- Cleaned Condenser water blowdown meter
- Repaired #3 Softener Controls
- Replaced Transformer fan controller in Switchgear 4B
- Replaced Actuator on #1 Chiller Condenser Water Inlet Valve

April 2016

- Replaced chemical lines on #1 and #2 Deaerators
- Installed new sample line for cooling tower conductivity probe
- Installed new sight glass on #1 Deaerator
- Trane replaced supply water temperature sensors on #1 and #8 Chillers
- Trane replaced purge suction sensor on #6 Chiller
- Replaced batteries in the fire alarm pre-action panel
- Replaced the oil heater on #5A Chiller
- Replaced fork lift
- Repaired Genie lift

May 2016

- Painted Cooling Tower Handrails
- Repaired cold water supply line to lab sink
- Removed winterization items from Boiler Area



- Adjusted belts on #5, #7 and #10 Cooling Towers
- Completed Cooling Tower Cleaning
- MRG completed fill replacement in #2, #3 and #5 Cooling Towers
- Repaired lightening protection on Cooling Towers
- Replaced Soft Start Controller on #2 CWP
- Replaced Conductivity Probe for #1 Boiler
- Had concrete pad installed around water meter vaults

June 2016

- Rebuilt bottom blowdown valves on #2 and #3 Boiler
- Installed new chemical tank and fittings for BWT 6130
- Replaced vacuum breaker on #2 Deaerator
- Adjusted belts on #2, #3, #5 and #10 Cooling Towers
- Sight glass and sight glass isolation valves were replaced on #2 Deaerator
- Replaced 185 psi Safety Relief Valve on #3 Boiler
- Landscaped around the EGF
 - Trimmed trees and shrubs
 - Installed 17 cubic yards of mulch
- Replaced chemical feed lines at steam drum of #1 & #3 Boilers

Modifications and Improvements

The following improvements were performed in and around the generation facility and in the energy distribution system:



Installed new fill in #2, #3 and #5 Cooling Towers



Re-coated the basins and riser pipes in #2, #3 and #5 Cooling Towers



Installed a test switch for the refrigerant alarm



Added an additional warning light for the refrigerant alarm



Purchased, set up and installed a Eurotherm Controller for the Dearator PRV



Installed new controller for Manhole B2 Sump pump



Installed new handrails on south end of cooling tower center access area



Installed new handrails on north end of cooling tower center access area



Installed new sulfite tank



Installed new sulfite tank piping



Replaced fork truck



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 or cool spot is detected, it indicates a possible leak in our piping. Depending on the severity of the thermal temperature variance from the surrounding area, a determination is made whether to dig up the affected area.

Constellation Energy maintenance personnel perform monthly inspections of EDS tunnels, as well as, the State steam tunnel and the A.A. Birch 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.

CNE 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 Constellation Energy 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.

An air compressor was installed in the Andrew Jackson Building mechanical room to operate the Pressure Reducing Valve on the State steam loop. This unit is inspected monthly and maintenance is performed as required.

An alarm on this air compressor is tested on a regular basis. Sump pump alarms at the A. A. Birch Building, CJC and Manhole 18 are also tested periodically.

Tempering Stations have been installed on the condensate return system in the 401 Union Street Building and in the Municipal Auditorium. These units are inspected for proper operation monthly.

The chilled water loop is now being treated with a biocide in an attempt to kill the localized bacteria at customer interfaces and clean up the heat exchange surfaces.

Metro has purchased a Hydroflow Water Conditioner and had it installed at the Metro Courthouse. This device is supposed to kill bacteria and clean biofilm from heat exchange surfaces using electrical pulses. A test to determine its effectiveness is currently in progress.



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, CNE 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.

The majority of 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 FY15-16.

July 2015

- CNE Maintenance personnel checked and marked all manholes and tunnels in the footprint of the 4th of July Celebration as requested by the Metro Police Department.
- CNE Maintenance personnel isolated the chilled water to the Tennessee Tower on July 17, 2015 to check for leaks on their heat exchanger.
- CNE Maintenance personnel assisted contractor personnel in staging of materials prior to steam outage on July 18, 2015.
- CNE Maintenance personnel assisted contractor with installation of steam trap assembly in Manhole B on July 20, 2015.
- CNE Maintenance personnel assisted contractor with painting in Manhole B and Manhole M on July 23, 2015.

August 2015

- CNE Maintenance and I & E personnel replaced the motor on the south exhaust fan in the 4th Avenue Tunnel on August 25, 2015.
- CNE Maintenance personnel isolated the steam system and assisted the mechanical contractor with an emergency steam leak repair in Manhole B on August 26-27, 2015. The steam system was returned to service immediately following the repair.

September 2015

- CNE Maintenance personnel isolated the steam at Manhole 18 on September 2, 2015 at approximately 10:00 p.m. to allow the contractor to make repairs on the steam trap piping located nearby. The repairs were completed at approximately 1:00 a.m. on September 3, 2015 and service was restored.
- CNE Maintenance personnel isolated the steam to Hume-Fogg High School on September 10, 2015 to replace a gasket on the main steam isolation valve to the customer. Service was restored at approximately 9 p.m. the same day.
- CNE I & E personnel removed and disconnected 4 metering devices on the heat exchanger at the Sheraton Hotel, on September 23, 2015, to enable the contractor to re-route piping.



- CNE Maintenance personnel isolated the steam to TSU, State Supreme Court and Library & Archives Buildings on September 23, 2015 to allow the contractor to begin work on the Manhole S5 project.
- CNE I & E personnel installed electrical boxes and receptacles in Manhole S5 on September 30th as part of the Manhole S5 project.
- CNE, TEG and Sheraton Hotel personnel redirected chilled water service to the Hotel's new heat exchanger on September 30, 2015.

October 2015

- October 13, 2015, CNE Maintenance personnel replaced a leaking flange gasket on the steam meter at Bridgestone Arena.
- CNE Maintenance personnel assisted the contractor rebuilding Manhole S5 on several occasions during the month. When substantial completion of this project was achieved October 16, 2015, CNE personnel restored steam service to TSU, the State Library and Archives Building and the State Supreme Court Building.
- CNE Maintenance personnel installed a new steam trap assembly in Manhole 18 on October 21, 2015.
- CNE Maintenance personnel removed the TCV and linkage on two chilled water valves at the Nashville City Center on October 27, 2015 and installed manual valve handles.

November 2015

- November 11, 2015, CNE I & E personnel installed a new radio base station in the A.A. Birch Tunnel.
- CNE I & E personnel along with C-Tech installed a new Comtrek unit at the Legislative Plaza.
- CNE Maintenance personnel replaced gaskets and bolts on a leaking steam meter in the A.A. Birch Building Mechanical Room on November 3, 2015.
- CNE Maintenance personnel assisted a subcontractor for Metro Water with the annual backflow preventer testing of the tempering station located in the mechanical room of the 401 Building on November 4, 2015. The backflow preventer passed inspection.

December 2015

- CNE personnel placed blue dye in the condensate tank at CJC on December 15, 2015 in an effort to determine if the water in Manhole U is condensate. CNE monitored the manhole for the next several days and no dye was found.
- CNE Maintenance personnel inspected manholes and the EDS Tunnel prior to the Music City Bowl and New Year's Eve festivities. Manhole lids were marked at the request of Metro Police. They monitor for potential illegal tampering or entry during downtown events.

January 2016

- CNE's CSR, Maintenance and I & E personnel assisted a representative from Genuine Energy Solutions install a HydroFlow Water Conditioner on the chilled water service line inside the mechanical room of the Metro Courthouse on January 13, 2016.
- CNE personnel installed a new shedder bar on the steam meter at the Ryman Auditorium on January 14, 2016.
- CNE Maintenance personnel assisted a representative from Dan Weaver Services attempt to locate a chilled water leak between Manhole K and Manhole N1 on January 17, 2016.
- CNE Maintenance personnel isolated the chilled water to the John Sevier & Central Services Buildings after discovering a severe chilled water leak that caused system pressure to drop on January 18, 2016.
- Manhole and tunnel sump pump alarms were tested
- CNE Maintenance personnel assisted a representative from Dan Weaver Services in attempting to locate a chilled water leak near the old Washington Square service lines on January 28, 2016.

February 2016

- CNE Maintenance personnel isolated the chilled water between Manhole K and just east of Manhole 15 on February 6-7, 2016. This was done to determine the water loss in this section of the EDS during a 24 hour period. The chilled water makeup decreased by approximately 17,000 gallons during the test. A project to will be developed to try and locate the leak.
- CNE's Maintenance and I & E personnel ran conduit, installed discharge piping and began the installation of the new sump pump in Manhole B2 on February 13, 2016.
- CNE Maintenance personnel isolated steam to the Central Services Building on February 24, 2016. CNE's I & E Department removed the steam meter and associated devices on February 26, 2016. Skanska is in the beginning stages of demolishing the Building and replacing with a Parking Garage.
- CNE Maintenance personnel capped the condensate line return in the State Tunnel on February 25, 2016 to allow the contractor to pressure test the John Sevier condensate line. The line failed to hold pressure. TEG will furnish the design and a project will be implemented to replace the line.
- CNE's Maintenance personnel isolated the chilled water to the John Sevier and Central Services Buildings on February 27, 2016 to allow the Contractor to cut and cap the branch chilled water lines that feed the Central Services Building. The Contractor completed their work and chilled water was restored the same day.
- CNE's Maintenance personnel isolated the steam to the Nashville Public Library on February 29, 2016 to allow building personnel to make repairs.

March 2016

- CNE Maintenance and I & E personnel pulled wire between Manholes B and B2 and connected the wiring and controls necessary to run the new sump pump installed in Manhole B2. The sump pump was placed into service on March 11, 2016.
- CNE's Maintenance and I & E personnel replaced floats on the sump pump controls in Manhole D2 on March 2, 2016.
- CNE Maintenance personnel assisted with access to manholes as part of a walkthrough on the *Miscellaneous Manhole Repairs* project on March 2, 2016.
- CNE Maintenance personnel assisted with access to State Tunnel as part of a walkthrough on the *John Sevier Condensate Line Replacement* project on March 10, 2016.
- CNE Maintenance personnel replaced approximately 10 feet of condensate pipe located at Station W-75 in the State Tunnel on March 18, 2016.
- CNE Maintenance personnel replaced the belts on the north fan located in the 4th Avenue EDS Tunnel on March 23, 2016.
- CNE's Maintenance personnel restored the steam to the Nashville Public Library on March 28, 2016 following repairs made by building personnel.

April 2016

- CNE Maintenance assisted a contractor attempting to locate a chilled water leak between Manhole 13 and the A.A. Birch Tunnel on April 5, 2016.
- CNE's Maintenance Supervisor assisted the fence contractor with measurements for bids at Manhole N2.
- CNE Maintenance personnel assisted with access to State Tunnel as part of the final walkthrough on the *John Sevier Condensate Line Replacement* project on April 19, 2016.
- CNE Maintenance personnel inspected and marked Manholes and Tunnels as requested by the Metro Police prior to the Marathon on April 27-28, 2016.
- CNE I&E personnel replaced the RTD's at Hume-Fogg High School on April 28, 2016.
- CNE Maintenance personnel assisted the Chemical Representative with the removal of the coupons on the chilled water lines at the Metro Courthouse, Viridian and Renaissance Hotel on April 29, 2016.
- Two different fiber optic installation contractors bored holes in DES Manhole vaults B3 and 22B. CNE will have repairs made and Metro will seek restitution from offending contractors.
- CNE Personnel shut steam off to the State Library and Archives, TSU and the State Supreme Court Buildings to allow a contractor to make Emergency Repairs in Manhole S5 (DES-116). CNE Personnel restored service when the contractor completed their work.
- Repaired steam leak on trap in Manhole 2
- Replaced hand wheel on steam valve in Manhole 10



May 2016

- CNE Maintenance and I&E personnel isolated the chilled water to the Renaissance Hotel and Office Complex on May 1, 2016 to allow a contractor to repair the pressure sustaining valves. Service was restored the following morning.
- CNE Maintenance personnel assisted with the walkthrough of the *CJC Service Disconnection* project on May 10, 2016.
- CNE Maintenance personnel removed a failed sump pump in Manhole 9 on May 11, 2016 and ordered a replacement. CNE personnel monitored and pumped the vault until the new pump arrived.
- CNE Maintenance personnel assisted with the pre-bid walkthrough on the *Manhole 22B Vault Repair* project and the *Manhole B3 Vault Repair* project May 19, 2016.
- CNE Maintenance personnel assisted Skanska with access to the State Tunnel on May 25, 2016.

June 2016

- CNE Maintenance and I&E personnel installed the new sump pump in Manhole 9 on June 8, 2016.
- CNE Maintenance personnel assisted with the pre-bid walkthrough on the *Manhole 12 Anchor Repair* project and the *Manhole A Sparge Tube Installation* project on June 14, 2016.
- CNE Maintenance personnel isolated and locked out service to the 501 Building, as instructed by Metro, on 6/15/16. Service was restored later the same day.
- CNE Maintenance personnel assisted with a test on the *Hydroflow Water Conditioner* on June 22, 2016.
- CNE Maintenance personnel assisted with the pre-bid walkthrough on the *Wildhorse Saloon Chilled Water Connection Modifications* project on June 24, 2016.
- CNE Maintenance personnel inspected and marked manhole and tunnel entrances for the July 4th celebration at the request of the Metro Nashville Police Department on June 30, 2016.



DES Projects

Below is a brief description of the DES projects in various stages of completion performed during FY15-16.

DES-033 Manhole Lid and Ring Replacement

This is an open ended project. From time to time it becomes necessary to replace manhole rings and lids, either due to normal wear or Metro Public Works paving projects. The castings are manufactured in Nashville by John Bouchard & Sons and Constellation Energy usually contracts with C.K. Masonry to perform the installations.

DES-104 DES Customer Billing System Modifications - Time of Day Electric Use

CNE and Enterprise Solution Providers, Inc. developed a software program to incorporate electrical time-of-use in to the MNDES customer billing system. The program has many useful reporting features. The project was completed ahead of schedule and has been tested for the past six months. The new billing program will be implemented July 1, 2016.

DES-110 Back up Fuel for EGF

A request was made for CNE to provide a Propane Acquisition Plan and investigate the installation of a second propane storage tank. CNE hired an engineering firm to provide drawings and bid documents for the installation of a second propane storage tank on the EGF site. The preliminary drawings and specifications for a second propane storage tank on the EGF site were delivered on December 4, 2015. A review meeting was held with CNE, TEG and ICT on December 15, 2015. The engineer from ICT incorporated some of the items discussed into his bid documents which were completed January 21, 2016. On January 28, 2016, Metro decided not to proceed with the installation of a second propane storage tank on the EGF site. Design documents indicated two parking spaces would have to be sacrificed which was determined to be unacceptable.

CNE submitted a revised Propane Acquisition Plan to Metro on February 4, 2016. After reviewing contingency plan options, CNE investigated off site storage and was offered favorable pricing. CNE presented this package to Metro and the decision was made to purchase 100,000 gallons of propane in anticipation of the next Natural Gas curtailment. Following a milder than expected winter, the propane was not used and was sold on February 26, 2016.

DES-112 Cordell Hull Condensate Line Replacement

On August 11, 2015, PPMI performed an exploratory excavation of the existing condensate line. After attempts to fill and perform a hydrostatic test of the line failed, the decision was made to replace the existing piping with new 2 ½” schedule 80 steel pipe. Construction drawings were provided by TEG. Substantial Completion of this project was achieved on September 3, 2015 with a few punch list items outstanding. The punch list items were completed on September 16, 2016. TEG reviewed the backup documentation and CNE issued a final invoice for this project in December 2015.



Cordell Hull Condensate Piping



Cordell Hull Condensate Piping

DES-117 Manhole S5 Piping Modifications

A pre-bid meeting and site visit was conducted with the bidders on August 31, 2015. Bids were received on September 9, 2015. The project was awarded to PPMI. A meeting was held with the State Supreme Court, State Library and Archives and TSU on September 15, 2015 to discuss scheduling. Representatives from TSU were concerned about the ability to provide hot water for the Cafeteria during the anticipated 3 week time frame they would be without steam. TSU was able to make other arrangements and gave permission to begin the project on September 23, 2015. Substantial completion was achieved and steam service was restored October 16, 2015. The insulation, Manhole lid and the ladder was installed the week of October 19, 2015. The sump pump and associated piping was installed on October 30, 2015. The slip joint blankets were installed on November 18, 2015. Change orders were approved and CNE issued an invoice to Metro in December 2015.



Manhole S5 Piping Modifications



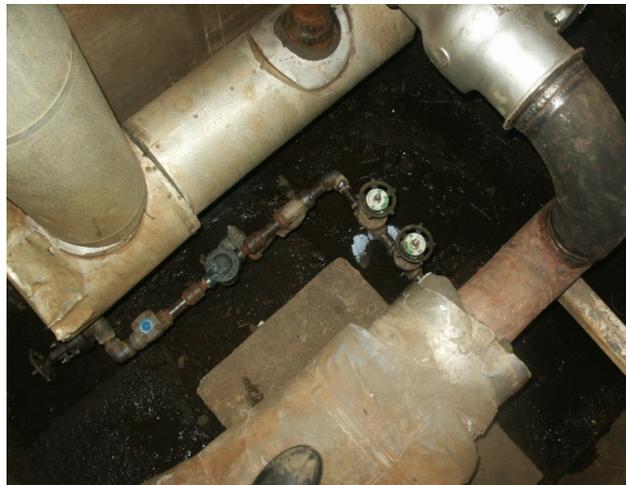
Manhole S5 Piping Modifications

DES-118 2015 Steam Outage

A pre-bid meeting and walkthrough to review items scheduled to be repaired during the Steam Outage scheduled for July 19-20, 2015 was held on June 24, 2015. Two of the three bidders invited attended. Bids were received on July 1, 2015 and the contract awarded to PPMI on July 6, 2015. The outage took place, as scheduled, July 19th and 20th. PPMI and CNE personnel completed all of the outage items ahead of schedule and service was returned to the customers by approximately 8:00 a.m. July 20, 2015.



New isolation valves in Manhole 3



New trap assembly in Manhole 3

DES-119.1 HydroFlow Water Conditioner Test

Genuine Energy Solutions gave a presentation of their Hydroflow Water Conditioner to CNE and TEG personnel on April 2, 2015. Metro requested a proposal from CNE to purchase and install a water conditioner for testing. The proposal was submitted October 29, 2015 and was approved November 5, 2015. The equipment was ordered and upon receipt was installed on January 13, 2016. The Hydroflow Water Conditioner was placed into service on March 15, 2016 following baseline testing conducted by two representatives from TEG. A representative from Hydroflow visited the site on March 23, 2016 to confirm proper operation of the device. An additional test was conducted by TEG on June 22, 2016. Results were inconclusive, so it was determined to continue operation and testing until otherwise notified by TEG. CNE personnel have taken dip slide samples every two weeks since the test began.

DES-120 Manhole B2 Sump Pump

CNE and contractor personnel core drilled two holes in the northeast corner of Manhole B2 on December 8, 2015. The following day, CNE Maintenance personnel installed a 5 foot section of four inch CPVC and a 5 foot section of 1 ½” copper pipe through the manhole wall and installed the link seals. Summit Constructors made the tie-ins back to the existing conduit and storm drain respectively. CNE personnel installed the conduit, controls and copper discharge piping the week of February 8, 2016. While trying to pull the wire between Manhole B and B2 a blockage was discovered. CNE coordinated with the Contractor to resolve this issue. CNE completed the wire pulling and controls portion of this project on March 11, 2016 and placed the sump pump in service the same day.

DES-121 Miscellaneous Manhole Safety Repairs (ladders, insulation, etc.)

A pre-bid meeting was held on March 2nd for various repairs in Manholes 2, 3, 4, 5, 6A, 11 and B2. S. M. Lawrence was the successful bidder. Submittals were approved and the project began May 2, 2016. Manholes were cleaned out and measurements were gathered to fabricate ladders. Ladder installation and insulation repairs are expected to be complete by July 31, 2016.

DES-122 Manhole 13 Structural Repairs

A Structural Engineer, CNE personnel and a representative from TEG reviewed the structural integrity of Manhole 13 on February 22, 2016. It was determined that all personnel entering the Manhole should wear hardhats when inspecting this vault. There is no imminent danger, but it was recommended that this Manhole be scheduled for repair within the next 6 - 12 months.

DES-123

John Sevier Building Condensate Line Replacement

The State of Tennessee hired a contractor to demolish the Central Services Building and to build a Parking Garage in its place. In the past, the condensate return line from the John Sevier Building was abandoned due to leaks and subsequently the condensate discharge line was tied in to the Central Services Building condensate return line. Due to the Central Services demolition, a new condensate line had to be installed in order for the John Sevier Building to return condensate to the system. A Pre-bid Meeting was held on March 10, 2016 with three bidders present. The contract was awarded to S.M. Lawrence. Work began on April 4, 2016. A walk through was conducted on April 19, 2016. All work, including the final punch list items, was completed on April 20, 2016. Contractor backup documentation was approved and CNE provided Metro with an invoice for this work.



New Condensate Piping in Chase



New Condensate Piping in crawl space

DES-124 CJC Redevelopment

DES-124.1 CJC Exploratory Excavation

PPMI performed an exploratory excavation to locate the chilled water lines as they branch off of the main header to the Criminal Justice Center (CJC). This was also performed to confirm the size and material of the piping. This work was performed on April 4-6, 2016. The area was repaved on April 23, 2016.

DES-124.2 CJC Service Disconnect

A Pre-bid Meeting and site walkthrough for the isolation and demolition of services to the CJC was conducted with bidders on May 10, 2016. Bids were received May 23, 2016. Due to additional questions, as well as potential scope and schedule modifications, the project was not approved until June 29, 2016. The contract was awarded to S. M. Lawrence. The original date of the service disconnect has changed from August 5-8, 2016. It is now tentatively scheduled for September 17-18, 2016.

DES-125 Exploratory Excavation along 1st Avenue North

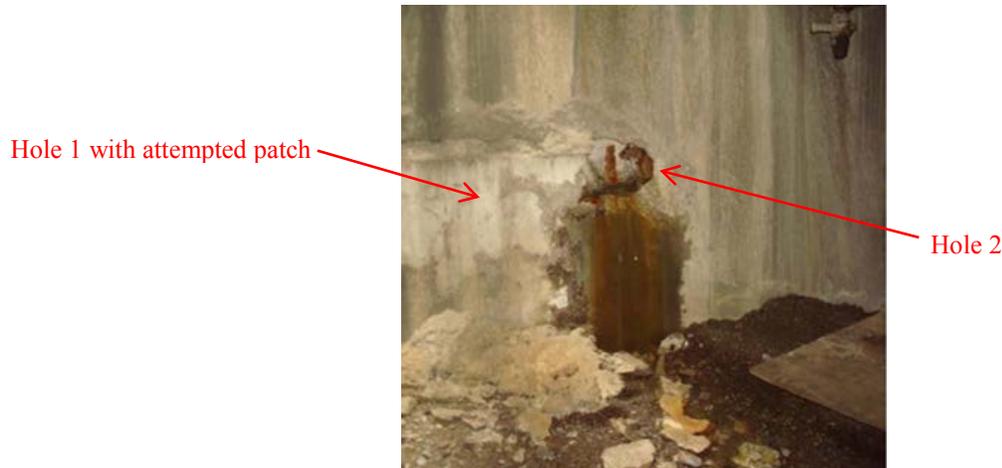
PPMI began excavations on March 7, 2016 to try to locate a chilled water leak along 1st Avenue North. There were two areas of interest identified by Dan Weaver Services (one north of Gay Street and one south of Gay Street). Both areas were excavated. Mr. Weaver installed correlators on the chilled water lines in the excavated sites as well as in Manhole K and Manhole N1. Based on his findings no leaks were indicated. The areas were backfilled, seeded with grass and covered with straw. PPMI submitted the backup documentation for this project and CNE issued Metro an invoice for this work in April 2016.

DES-126 Exploratory Excavation along 3rd Avenue North

Green dye was discovered in the sump pump manhole near the Criminal Justice Center indicating a chilled water leak on 3rd Avenue North. PPMI performed two exploratory excavations. The branch points for the A. A. Birch Tunnel and the Parkway Tower were exposed. No indication of a leak was found. This work was performed on April 13-15, 2016. The area was repaved on April 23, 2016. CNE is waiting on the contractor to provide their cost substantiation project documents.

DES-129 Manhole 22B Vault Repair

A contractor performing horizontal boring, for a fiber optic high speed internet service provider, inadvertently bored two holes into the east side of the Manhole 22B vault. TEG's Structural Engineer developed a procedure to make the necessary repairs. A pre-bid meeting and walkthrough was held on May 19, 2016 to review the project details. The bids were received May 31, 2016 and the contract was awarded to S.M. Lawrence. Repairs are expected to begin in July 2016.



DES-130 Manhole B3 Vault Repair

A contractor performing horizontal boring, for a fiber optic high speed internet service provider, inadvertently bored a hole into the south side of the manhole near the top of the vault. TEG's Structural Engineer has developed a procedure to make the necessary repairs. A pre-bid meeting was held on May 19, 2016 to review the project as well as a walkthrough of the manhole. The bids were received May 31, 2016 and the contract was awarded to PPMI. The repairs should begin in July 2016.





Outstanding Issues and Recommendations

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

Outstanding Issues

Potential projects that should be customer funded:

- Polisher on Condensate return system
- Oxygen Trim on burners
- Capacitor Bank on Electrical feed to plant

Recommendations for FY 2016-2017

- Continue Pipe insulation restoration in manholes
- Continue Pipe insulation restoration in tunnels
- Manhole & Tunnel Structural Steel Rehabilitation & Corrosion Prevention
- Repair Manhole 6 concrete vault
- Repair Manhole 13 concrete vault
- Investigate the installation of additional Division Valves
- Investigate decoupling the Polk Building to improve chilled water system hydraulics
- Investigate Chilled Water Ice storage for potential increased capacity and reliability
- Investigate to the possibility of a satellite plant
 - This would provide complete system back up in case a catastrophe occurred at the EGF.
- Investigate system expansion from existing EGF
 - Add a gas turbine, generator, boiler, chiller and associated equipment to existing plant
 - Add new service lines from plant, west on Peabody Street and north on 4th Avenue connecting to existing lines at Molloy Street to allow for supply piping system redundancy and the potential to serve new customers south of Broadway.

Sales and Marketing

Sales and Marketing Review

Due to the amount of development taking place south of Broadway, the potential exists for system expansion. As reported last year, Metro has temporarily suspended the pursuit of new customers. Potential customers continue to inquire about system capacity. The parking lots adjacent to the EGF are scheduled to be developed soon.

The following table, furnished by Thermal Engineering Group, Inc. on September 16, 2015, indicates the remaining system capacity.

System Capacity		
Diversity Factor	56.44%	74.60%
	Chilled Water (tons)	Steam (pph)
Installed capacity including redundant equipment	23,400	260,000
Installed capacity	20,800	195,000
System losses	400	28,568
Max Allowable Customer Load	20,400	166,433
Maximum System Peaks	19,654	157,996
Net Undiversified Capacity Available for Sale	746	8,437
Net Diversified Capacity Available for Sale	1,322	11,309
Contract Capacity for Existing Customers	30,533	299,459
Potential Contract Capacity for Sale	2,055	21,740

Customers currently on the system that are contemplating a different use for their property include:

- The 401 Union Building – Former Regions Bank to be converted to a Boutique Hotel
- 4th & Church Building – Former SunTrust Bank to be converted to a mixed use complex
- Nashville Convention Center – Former convention center to be converted to a mixed use complex with a large parking garage
- Wells Fargo Bank to be converted to a Boutique Hotel

Ongoing activities include the following:

- A Sales and Marketing Report is included in the Monthly Operations Report.
- The DES e-Newsletter is produced and issued semi-annually.
- The Annual CNE/NDES Golf Tournament is held each year for existing and potential new customers as well as strategic partners.
- CNE participates in meetings and social events with business groups, engineers and developers throughout the year.
- CNE provides presentations and tours of the EGF to point out the positive attributes of the system.



Utilities and Fuel Procurement

During FY 15-16, CNE provided proactive support to Metro in the areas of fuel procurement and risk management. CNE secured propane supplies and deliveries as needed. In a collaborative effort; CNE, Fellon-McCord and Associates, Inc. and Gas Supply Consulting Company made natural gas procurement recommendations to Metro. 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. Due to the relatively low natural gas spot market prices, MNDES does not have any hedged positions past June 2016.

All natural gas supply was procured from Twin Eagle Resource Management, LLC under the terms and conditions of an agreement between CNE and Twin Eagle for a service period extending through June 2016. Fellon-McCord issued an RFP for the MNDES natural gas supply contract for FY 16-17. Constellation NewEnergy Gas, Inc. was the successful bidder.

The costs in the table below includes the amount paid to Twin Eagle 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 FEA. Appendix 3 includes the FEA. That is why there is a difference in the totals.

The following is a report of the natural gas purchased in FY15-16:

Natural Gas

Month	Quantity (DT)	Unit Cost	Amount
July, 2015	26,112.8	\$ 4.1484	\$ 108,326.39
August	26,919.3	\$ 4.1946	\$ 112,916.63
September	29,630.8	\$ 3.9688	\$ 117,598.11
October	36,084.5	\$ 3.9528	\$ 142,633.19
November	46,909.2	\$ 3.6798	\$ 172,614.24
December	67,444.9	\$ 3.5609	\$ 240,164.42
January, 2016	95,983.5	\$ 3.4066	\$ 326,977.33
February	72,517.7	\$ 3.2700	\$ 237,129.69
March	50,899.3	\$ 3.2465	\$ 165,246.41
April	41,849.0	\$ 3.2755	\$ 137,077.27
May	35,740.6	\$ 3.2852	\$ 117,416.54
June	27,516.1	\$ 3.4559	\$ 95,092.63
Total	557,607.7	\$ 3.5387	\$ 1,973,192.85



Additional off-site propane storage was purchased in FY 15-16. Since there were no natural gas curtailments, the unused pre-purchased propane was sold.

The following is a report of propane used in FY15-16:

Propane

Month	Quantity (DT)	Unit Cost	Amount
July, 2015	0	N/A	\$ 0.00
August	0	N/A	\$ 0.00
September	65	\$ 14.8091	\$ 962.59
October	0	N/A	\$ 0.00
November	0	N/A	\$ 0.00
December	8	\$ 15.0405	\$ 120.32
January, 2016	0	N/A	\$ 0.00
February	0	N/A	\$ 0.00
March	25	\$ 12.5436	\$ 313.59
April	55	\$ 12.8229	\$ 705.26
May	41	\$ 26.4907	\$ 1,086.12
June	57	\$ 26.6767	\$ 1,520.57
Total	18,694	\$ 18.7588	\$ 4,708.45



During FY15-16, electricity was purchased each month based on the Nashville Electric Service rate schedule.

Electricity

Month	Quantity (Kwh)	Unit Cost	Amount
July, 2015	8,613,305	\$ 0.10697	\$ 921,339.53
August	7,111,634	\$ 0.10562	\$ 751,097.06
September	6,149,118	\$ 0.10807	\$ 664,552.12
October	3,913,112	\$ 0.10252	\$ 401,168.79
November	3,049,144	\$ 0.10321	\$ 314,688.10
December	3,032,596	\$ 0.09990	\$ 302,949.17
January, 2016	2,319,548	\$ 0.09034	\$ 209,539.59
February	2,453,808	\$ 0.09229	\$ 226,466.34
March	3,249,596	\$ 0.08302	\$ 269,796.19
April	3,926,608	\$ 0.09522	\$ 373,900.87
May	4,698,484	\$ 0.08726	\$ 410,001.54
June	7,254,464	\$ 0.08666	\$ 628,667.84
Total	55,771,417	\$ 0.09815	\$ 5,474,167.14

The following table indicates the water purchased during FY15-16 based on the Metro Water Services rate schedule.

Water & Sewer

Month	Quantity (Kgal)	Unit Cost	Amount
July, 2015	19,611,812	\$ 0.00365	\$ 71,525.59
August	21,241,704	\$ 0.00364	\$ 77,282.87
September	16,933,224	\$ 0.00364	\$ 61,672.76
October	12,629,232	\$ 0.00365	\$ 46,077.73
November	10,709,864	\$ 0.00365	\$ 39,140.89
December	6,487,404	\$ 0.00368	\$ 23,898.70
January, 2016	8,536,176	\$ 0.00367	\$ 31,287.79
February	6,856,168	\$ 0.00368	\$ 25,252.14
March	7,141,156	\$ 0.00368	\$ 26,261.74
April	10,240,120	\$ 0.00366	\$ 37,444.52
May	11,918,632	\$ 0.00365	\$ 43,521.49
June	13,535,060	\$ 0.00366	\$ 49,558.66
Total	145,840,552	\$ 0.00365	\$ 532,924.88

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 (City) Customers

Appendix 2 – Revenues

This chart summarizes the revenues charged per month by DES to each customer for FY15-16.

Appendix 3 – Customer Rate Reconciliation

Monthly Reconciliation charts from July 2015 to June 2016 are found in this appendix. The final chart is a Summary Reconciliation table for FY15-16. These charts 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 1.000%, the annual replacement and repair allowance was \$189,812 for FY15-16.
- **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 (\$75,794).
- **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

Private		State		Metro	
1	Wells Fargo Plaza	18	Andrew Jackson	32	A.A. Birch
2	Parkway Tower	19	Central Services	33	Historic Metro Courthouse
3	Sheraton Hotel	20	Cordell Hull	34	Municipal Auditorium
4	Hermitage Hotel	21	John Sevier	35	Criminal Justice Center
5	501 Union Building	22	War Memorial	36	Nashville Convention Center
6	4 th & Church Building	23	Library & Archives	37	Bridgestone Arena
7	Fifth-Third Financial Center	24	Supreme Court	38	Nissan Stadium (formerly L.P. Field)
8	Renaissance Hotel	25	State Capitol	39	Hume-Fogg High School
9	Renaissance Office Tower	26	James K. Polk	40	Nashville Public Library
10	St. Mary's Catholic Church	27	Citizens Plaza	41	Music City Center
11	Nashville City Center	28	Snodgrass Tennessee Tower		
12	Wildhorse Saloon	29	Tennessee State University		
13	Ryman Auditorium	30	Tennessee Performing Arts Center		
14	Schermerhorn Symphony Center	31	Legislative Plaza		
15	Viridian Residential Tower	32	Rachael Jackson		
16	Hyatt Place Hotel				
17	401 Union Hotel				



Appendix 2

Metro Nashville District Energy System
Steam Usage
Fiscal Year ending June 30, 2016

Customer Number	Customer Name	July	August	September	October	November	December	January	February	March	April	May	June	Total	
2	A. A. Birch	876,560	898,712	1,005,272	1,343,792	1,397,072	1,708,760	2,463,288	2,187,904	1,860,720	1,693,523	1,598,407	1,137,434	18,171,444	5.59%
4	Metro Courthouse	231,632	233,044	259,152	407,492	505,080	558,560	997,936	840,856	537,372	462,972	418,284	315,868	5,768,248	1.77%
7	Parkway Towers	-	-	-	2,471	690,731	1,029,843	1,679,482	1,258,905	850,025	505,262	1,290	1,454	6,019,463	1.85%
9	South Trust	34,810	-	-	36,731	208,623	253,538	317,304	339,629	255,865	212,636	260,937	233,138	2,153,211	0.66%
10	Regions Bank	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
11	Sheraton Hotel	672,722	888,628	1,323,316	1,534,552	1,690,524	2,029,716	3,046,560	2,554,004	1,908,204	1,657,828	1,562,932	1,114,724	19,983,710	6.14%
12	Municipal Auditorium	56,552	63,864	80,312	342,064	751,568	1,107,148	2,379,908	1,738,168	945,564	575,392	315,988	52,572	8,409,100	2.59%
21	Hermitage Hotel	28,752	179,716	77,120	197,724	303,344	337,748	653,860	607,992	400,540	318,592	310,272	172,988	3,588,648	1.10%
24	Criminal Justice Center/Ben West	234,291	240,052	235,862	284,609	565,645	680,584	940,327	882,757	815,418	501,255	276,844	289,378	5,947,022	1.83%
25	501 Building	267,926	395,822	439,828	572,720	590,292	682,712	857,040	783,896	612,788	488,836	420,080	297,732	6,409,672	1.97%
28	Sun Trust Bank	-	-	-	56,269	627,971	814,483	1,719,845	1,316,170	756,998	415,379	-	-	5,707,115	1.75%
29	Sun Trust Financial Center	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
32	Renaissance Hotel	775,040	904,219	1,145,848	1,904,668	2,180,380	2,332,459	3,794,931	3,175,889	2,293,068	1,703,604	1,244,182	775,046	22,229,334	6.83%
33	Convention Center	417,316	203,706	440,215	741,259	775,069	1,465,715	3,543,838	3,014,901	1,694,456	1,481,486	1,489,126	500,910	15,767,997	4.85%
34	Renaissance Office Tower	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
35	St. Mary of the Seven Sorrows	-	-	2,835	24,570	56,700	96,390	112,928	87,412	59,535	24,570	7,560	-	472,500	0.15%
36	Nashville City Center	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
38	Wildhorse Saloon	42,888	84,042	99,986	170,078	210,628	255,630	442,186	344,858	256,902	165,179	103,524	107,878	2,283,779	0.70%
39	Ryman Auditorium	347,628	448,504	469,688	549,136	33,192	671,997	789,469	695,664	587,164	473,552	443,620	342,032	5,851,646	1.80%
40	Bridgestone Arena	701,546	464,661	1,004,279	1,135,171	914,832	1,070,884	1,567,076	1,174,496	966,368	882,736	564,384	752,675	11,199,108	3.44%
41	Nashville Coliseum	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
43	Hume Fogg School	596	-	-	-	125,018	325,757	610,808	382,711	354,383	311,380	163,506	4,883	2,279,042	0.70%
44	Nashville Symphony	415,924	455,936	475,792	673,924	661,716	723,000	948,224	777,960	622,972	548,980	511,868	436,736	7,253,032	2.23%
45	Nashville Public Library	4,952	1,680	41,032	627,544	736,512	912,784	1,070,384	746,400	78,736	525,408	278,344	10,088	5,033,864	1.55%
49	Veridian	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
50	Music City Center	3,649,636	3,666,520	3,551,464	3,719,104	5,233,280	7,562,512	12,992,809	9,922,745	7,128,412	5,981,402	5,565,512	4,514,224	73,487,620	22.59%
51	Hyatt Place	321,067	387,637	372,884	397,368	432,741	492,353	825,779	778,785	670,495	552,371	480,612	340,823	6,052,915	1.86%
5	Andrew Jackson	1,008,856	772,656	554,420	1,026,004	1,172,628	1,608,170	2,788,518	2,701,054	1,277,247	791,053	653,422	381,922	14,735,950	4.53%
13	Central Services	-	-	17,637	22,786	30,872	105,012	198,042	36,435	-	-	-	-	410,784	0.13%
14	Cordell Hull Building	7,545	7,936	117,431	497,674	452,174	504,413	1,258,231	769,730	401,675	39,089	13,106	3,872	4,072,876	1.25%
15	John Sevier	1,773	638	2,189	87,650	222,756	284,549	561,062	355,640	137,061	141,741	1,934	992	1,797,985	0.55%
16	War Memorial Building	1,592	298	1,043	162,022	245,271	455,153	791,568	504,419	275,590	49,647	262	28	2,486,893	0.76%
17	Library and Archives	692,162	297,808	494,803	306,232	333,987	304,651	398,807	255,434	223,303	218,349	474,820	387,366	4,387,722	1.35%
18	Supreme Court Building	233,548	123,168	341,891	238,699	448,139	469,006	563,774	468,943	474,953	469,279	551,314	393,151	4,775,865	1.47%
19	State Capitol Building	60,408	11,082	130,143	282,926	330,494	344,778	603,990	457,201	360,265	260,664	287,434	61,400	3,190,785	0.98%
23	James K. Polk	842,592	765,580	831,256	885,460	1,160,540	1,961,900	3,131,027	2,484,476	1,562,728	1,110,852	983,624	770,920	16,490,955	5.07%
26	Citizen Plaza Building	-	-	-	75,624	250,544	348,388	1,072,968	889,600	276,864	106,684	-	-	3,020,672	0.93%
30	Tennessee Tower	445,540	496,400	398,836	772,812	1,191,200	1,729,648	4,377,016	4,423,564	2,323,188	1,341,688	941,004	324,420	18,765,316	5.77%
46	Tennessee State University	730,689	354,864	801,513	407,037	737,602	858,685	1,148,154	1,113,994	845,068	923,047	1,188,016	370,258	9,478,927	2.91%
47	Legislative Plaza	9,488	7,720	11,727	250,426	393,922	315,082	1,085,726	938,836	612,318	419,055	4,704	1,169	4,050,173	1.25%
48	Rachel Jackson	941	396	1,204	235,544	528,155	551,501	764,128	592,313	541,519	297,076	988	842	3,514,607	1.08%
Total		13,114,972	12,355,289	14,728,978	19,972,142	26,189,202	34,953,509	60,496,993	49,603,741	32,967,764	25,650,567	21,117,900	14,096,923	325,247,980	100.00%

Metro Nashville District Energy System
Chilled Water Usage
Fiscal Year ending June 30, 2016

Customer Number	Customer Name	July	August	September	October	November	December	January	February	March	April	May	June	Total	
2	A. A. Birch	324,842	257,011	257,278	148,201	95,135	100,052	68,418	79,192	141,794	199,319	225,395	319,348	2,215,985	3.61%
4	Metro Courthouse	158,912	126,188	104,640	68,745	51,813	43,028	33,852	43,360	60,777	79,715	98,079	151,815	1,020,924	1.66%
7	Parkway Towers	160,525	125,729	105,938	68,945	81,859	92,940	87,317	79,512	95,090	98,438	80,071	127,464	1,203,828	1.96%
9	South Trust	73,556	61,045	41,056	20,972	15,227	14,471	10,053	8,871	16,345	26,121	29,010	41,634	358,361	0.58%
10	Regions Bank	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
11	Sheraton Hotel	327,570	338,655	275,658	183,971	133,079	132,953	90,114	98,028	146,752	191,395	240,821	337,977	2,496,973	4.07%
12	Municipal Auditorium	99,635	75,902	45,512	26,942	17,833	9,977	14,971	14,151	27,044	31,830	43,743	70,254	477,794	0.78%
21	Hermitage Hotel	172,593	154,326	106,525	77,052	56,385	47,271	30,888	38,625	56,331	67,025	90,218	121,337	1,018,576	1.66%
24	Criminal Justice Center/Ben West	197,821	180,866	163,174	133,491	115,085	116,669	103,523	110,973	146,408	132,637	150,853	181,631	1,733,131	2.83%
25	501 Building	87,684	98,648	93,381	81,310	68,833	69,626	50,468	50,768	65,569	70,378	82,377	94,685	913,727	1.49%
28	Sun Trust Bank	234,058	182,705	155,390	76,596	72,525	73,981	52,884	63,908	87,449	103,521	105,763	215,855	1,424,635	2.32%
29	Sun Trust Financial Center	260,919	208,038	178,662	102,192	86,879	95,753	57,906	72,197	101,908	111,533	117,900	211,240	1,605,127	2.62%
32	Renaissance Hotel	476,493	385,874	331,299	204,605	146,264	134,518	79,234	126,143	179,562	186,549	245,137	370,952	2,866,630	4.67%
33	Convention Center	294,826	311,695	267,903	201,567	178,943	179,029	155,761	164,505	131,778	168,509	248,460	248,161	2,551,137	4.16%
34	Renaissance Office Tower	132,256	95,585	81,855	51,670	55,062	55,956	32,942	32,446	42,237	47,263	64,053	101,925	793,250	1.29%
35	St. Mary of the Seven Sorrows	2,261	2,261	1,802	1,147	355	226	226	226	407	1,036	1,560	2,065	13,572	0.02%
36	Nashville City Center	281,700	242,362	206,652	138,946	107,322	105,088	67,088	79,772	110,167	142,216	154,788	252,488	1,888,589	3.08%
38	Wildhorse Saloon	91,709	76,361	65,393	43,923	30,971	31,046	20,899	21,632	32,724	37,176	48,904	84,409	585,147	0.95%
39	Ryman Auditorium	147,347	131,293	117,988	93,551	77,650	73,925	35,929	45,454	69,923	77,398	95,096	127,317	1,092,871	1.78%
40	Bridgestone Arena	664,772	607,573	674,592	533,812	420,818	393,230	194,170	228,356	378,576	463,220	464,698	608,620	5,632,437	9.18%
41	Nashville Coliseum	600,610	523,392	404,594	167,922	91,104	86,932	24,856	37,790	92,714	153,170	222,936	510,724	2,916,744	4.76%
43	Hume Fogg School	41,308	47,227	38,926	16,645	13,549	21,722	22,344	15,823	29,207	36,217	18,290	18,985	320,243	0.52%
44	Nashville Symphony	150,467	133,954	119,949	99,380	57,578	64,379	53,618	58,471	77,500	88,834	103,413	131,401	1,138,944	1.86%
45	Nashville Public Library	241,994	222,854	202,778	183,720	153,010	158,342	97,346	98,242	96,766	169,988	189,964	253,184	2,068,188	3.37%
49	Veridian	131,300	109,113	93,374	58,735	35,179	30,823	16,158	18,433	38,842	56,708	69,840	101,798	760,303	1.24%
50	Music City Center	1,582,034	1,138,129	950,002	566,083	392,349	426,293	290,300	332,043	543,718	732,111	901,261	1,430,917	9,285,240	15.14%
51	Hyatt Place	76,709	67,835	60,766	49,871	32,428	32,028	22,806	26,499	34,617	44,705	51,722	69,071	569,057	0.93%
5	Andrew Jackson	320,146	244,988	208,843	179,111	147,622	169,742	193,399	217,736	222,575	227,029	196,053	242,880	2,570,124	4.19%
13	Central Services	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
14	Cordell Hull Building	169,652	142,465	116,957	84,994	43,910	41,959	22,313	26,997	20,511	17,909	7,860	27,077	722,604	1.18%
15	John Sevier	85,272	68,598	61,558	31,910	7,983	7,148	3,794	1,755	6,691	18,091	22,778	47,322	362,900	0.59%
16	War Memorial Building	189,404	190,523	151,686	107,125	54,828	39,670	24,602	60,847	83,010	95,917	113,267	197,520	1,308,399	2.13%
17	Library and Archives	64,424	58,480	43,617	28,272	20,641	17,233	4,365	5,064	15,093	21,726	38,367	51,804	369,086	0.60%
18	Supreme Court Building	42,569	40,961	33,817	20,970	27,350	27,355	21,136	23,083	30,907	33,238	40,689	50,067	392,142	0.64%
19	State Capitol Building	84,203	67,368	59,676	38,864	30,239	26,498	16,513	19,751	31,095	37,053	47,578	69,274	528,112	0.86%
23	James K. Polk	618,615	404,980	432,539	245,923	182,503	206,739	101,325	186,253	254,016	267,509	321,003	479,197	3,700,602	6.03%
26	Citizen Plaza Building	156,882	124,159	104,078	63,463	41,926	42,037	39,540	48,379	49,647	58,440	75,695	142,642	946,888	1.54%
30	Tennessee Tower	485,785	381,947	338,787	191,861	121,874	107,083	103,993	122,488	221,395	255,717	278,112	411,888	3,020,930	4.93%
46	Tennessee State University	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
47	Legislative Plaza	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
48	Rachel Jackson	55,090	46,996	38,837	32,650	38,103	37,771	33,190	33,677	40,521	34,532	26,226	46,203	463,796	0.76%
Total		9,285,943	7,676,086	6,735,482	4,425,137	3,304,214	3,313,493	2,278,241	2,691,450	3,779,666	4,584,173	5,311,980	7,951,131	61,336,996	100.00%

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
Fiscal Year Ending June 30, 2016

Customer No.	Customer Name	July	August	September	October	November	December	January	February	March	April	May	June (Including True Up)	Total
2	A. A. Birch	\$ 78,569.28	\$ 71,530.03	\$ 69,147.54	\$ 57,472.57	\$ 52,031.65	\$ 53,730.93	\$ 52,116.11	\$ 49,337.38	\$ 51,764.51	\$ 58,459.78	\$ 59,570.68	\$ 65,325.03	\$ 719,055.49
4	Historic Metro Courthouse	\$ 35,701.22	\$ 32,384.49	\$ 28,720.71	\$ 25,081.68	\$ 24,084.04	\$ 22,904.33	\$ 23,477.83	\$ 22,420.31	\$ 21,785.51	\$ 24,080.16	\$ 24,982.99	\$ 29,147.32	\$ 314,770.59
7	Parkway Towers	\$ 32,708.61	\$ 28,729.51	\$ 25,627.14	\$ 20,892.31	\$ 28,166.00	\$ 31,056.51	\$ 32,523.55	\$ 27,605.34	\$ 25,715.26	\$ 25,545.12	\$ 20,446.22	\$ 24,384.71	\$ 323,400.28
9	Wells Fargo Plaza	\$ 13,984.79	\$ 12,158.69	\$ 9,598.64	\$ 7,487.38	\$ 8,326.08	\$ 8,386.20	\$ 7,832.62	\$ 7,556.58	\$ 7,640.42	\$ 8,599.83	\$ 9,143.65	\$ 10,452.93	\$ 111,167.81
10	401 Union Building	\$ 5,667.68	\$ 5,627.74	\$ 5,190.67	\$ 5,161.97	\$ 5,168.71	\$ 5,170.60	\$ 5,162.87	\$ 5,155.84	\$ 5,156.58	\$ 5,177.10	\$ 5,171.22	\$ 5,271.93	\$ 63,082.91
11	Sheraton Hotel	\$ 74,261.41	\$ 80,540.41	\$ 74,094.89	\$ 60,393.43	\$ 56,300.65	\$ 57,531.31	\$ 55,697.62	\$ 51,005.80	\$ 50,493.35	\$ 55,728.06	\$ 58,933.81	\$ 64,879.32	\$ 739,860.06
12	Municipal Auditorium	\$ 27,543.59	\$ 25,160.10	\$ 20,671.25	\$ 20,527.79	\$ 22,711.52	\$ 23,736.13	\$ 29,930.64	\$ 24,284.43	\$ 21,411.05	\$ 20,500.61	\$ 19,925.42	\$ 21,712.62	\$ 278,115.15
21	Hermitage Hotel	\$ 33,856.19	\$ 33,607.95	\$ 26,043.00	\$ 23,066.26	\$ 21,896.43	\$ 20,677.41	\$ 20,200.08	\$ 19,946.49	\$ 19,798.26	\$ 21,170.34	\$ 22,931.89	\$ 24,779.07	\$ 287,973.37
24	Criminal Justice Center	\$ 48,187.21	\$ 46,567.03	\$ 42,343.35	\$ 37,858.39	\$ 38,026.40	\$ 38,042.12	\$ 36,713.69	\$ 36,057.86	\$ 37,134.88	\$ 35,799.01	\$ 36,055.97	\$ 38,873.96	\$ 471,659.87
25	501 Union Building	\$ 18,498.76	\$ 21,598.87	\$ 20,294.47	\$ 18,756.46	\$ 17,479.59	\$ 17,570.64	\$ 15,333.59	\$ 13,981.06	\$ 13,691.77	\$ 14,497.12	\$ 14,972.52	\$ 15,438.82	\$ 202,113.67
28	4th & Church Building	\$ 45,778.51	\$ 40,125.66	\$ 38,558.80	\$ 28,362.80	\$ 32,796.06	\$ 33,620.04	\$ 35,285.24	\$ 32,624.52	\$ 30,803.22	\$ 31,542.81	\$ 28,754.03	\$ 38,745.41	\$ 416,997.10
29	Fifth-Third Financial Center	\$ 48,679.20	\$ 42,690.72	\$ 38,377.25	\$ 28,936.65	\$ 27,796.44	\$ 28,148.90	\$ 24,040.44	\$ 24,692.88	\$ 26,027.36	\$ 28,006.19	\$ 28,163.94	\$ 36,807.79	\$ 382,367.76
32	Renaissance Hotel	\$ 97,395.00	\$ 89,532.52	\$ 81,768.65	\$ 70,621.21	\$ 65,802.23	\$ 63,996.38	\$ 62,991.96	\$ 60,779.75	\$ 59,144.48	\$ 59,719.56	\$ 61,510.77	\$ 69,342.36	\$ 842,604.87
33	Convention Center	\$ 80,498.94	\$ 79,828.05	\$ 73,902.55	\$ 66,718.52	\$ 65,186.34	\$ 68,696.13	\$ 75,692.95	\$ 70,012.83	\$ 58,827.09	\$ 63,312.60	\$ 69,924.48	\$ 63,870.66	\$ 836,471.14
34	Renaissance Office Tower	\$ 19,515.90	\$ 15,409.09	\$ 13,758.35	\$ 9,996.42	\$ 10,687.81	\$ 10,380.11	\$ 7,864.69	\$ 7,485.33	\$ 7,725.93	\$ 8,667.33	\$ 9,858.22	\$ 13,232.33	\$ 134,581.51
35	St. Mary's Catholic Church	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 981.93	\$ 11,783.16
36	Nashville City Center	\$ 47,416.00	\$ 42,907.45	\$ 38,247.50	\$ 29,684.55	\$ 27,178.86	\$ 26,210.16	\$ 22,255.99	\$ 22,639.26	\$ 24,415.73	\$ 27,649.97	\$ 28,200.24	\$ 36,783.74	\$ 373,589.45
38	Wildhorse Saloon	\$ 16,148.44	\$ 14,956.96	\$ 13,421.11	\$ 11,096.88	\$ 10,119.54	\$ 10,192.07	\$ 9,788.61	\$ 8,847.51	\$ 8,969.62	\$ 9,324.23	\$ 9,824.99	\$ 13,020.27	\$ 135,710.23
39	Ryman Auditorium	\$ 26,209.80	\$ 26,014.16	\$ 23,561.85	\$ 20,025.11	\$ 14,309.94	\$ 18,129.95	\$ 13,673.70	\$ 13,010.70	\$ 13,861.14	\$ 14,997.19	\$ 16,181.19	\$ 19,139.14	\$ 219,113.87
40	Bridgestone Arena	\$ 141,470.45	\$ 132,443.83	\$ 140,916.91	\$ 120,222.61	\$ 108,466.40	\$ 103,447.43	\$ 83,387.45	\$ 81,190.84	\$ 88,734.08	\$ 100,724.54	\$ 97,374.87	\$ 113,043.99	\$ 1,311,423.40
41	L.P. Field	\$ 93,876.26	\$ 85,424.89	\$ 71,034.23	\$ 43,669.33	\$ 37,002.57	\$ 34,659.63	\$ 27,433.42	\$ 28,869.30	\$ 32,279.35	\$ 38,555.50	\$ 43,910.49	\$ 69,237.52	\$ 605,952.49
43	Hume-Fogg High School	\$ 13,126.17	\$ 13,650.64	\$ 12,107.76	\$ 9,490.43	\$ 10,268.08	\$ 12,292.54	\$ 13,435.78	\$ 11,030.52	\$ 11,800.17	\$ 12,825.97	\$ 10,627.35	\$ 9,726.18	\$ 140,381.59
44	Schermerhorn Symphony Center	\$ 35,825.49	\$ 34,987.46	\$ 32,893.55	\$ 30,765.12	\$ 26,010.39	\$ 26,550.14	\$ 25,414.95	\$ 23,880.74	\$ 23,898.15	\$ 25,709.34	\$ 26,576.16	\$ 29,659.06	\$ 342,170.55
45	Nashville Public Library	\$ 33,531.49	\$ 31,417.03	\$ 29,957.06	\$ 31,394.26	\$ 29,311.49	\$ 29,836.95	\$ 22,676.31	\$ 19,468.96	\$ 14,510.70	\$ 24,793.41	\$ 24,426.00	\$ 28,939.20	\$ 320,262.86
49	Viridian Residential Tower	\$ 27,037.27	\$ 24,609.43	\$ 23,081.48	\$ 18,889.72	\$ 16,856.65	\$ 16,211.58	\$ 14,830.36	\$ 14,831.28	\$ 15,887.74	\$ 17,705.42	\$ 18,501.41	\$ 21,348.98	\$ 229,791.32
50	Music City Center	\$ 310,830.80	\$ 265,845.95	\$ 238,445.95	\$ 186,361.66	\$ 178,884.40	\$ 198,303.89	\$ 205,061.16	\$ 179,841.54	\$ 178,645.28	\$ 197,950.18	\$ 207,865.74	\$ 249,759.04	\$ 2,597,795.59
51	Hyatt Place Hotel	\$ 22,596.58	\$ 22,925.73	\$ 21,317.22	\$ 19,336.55	\$ 17,616.10	\$ 17,663.73	\$ 17,819.18	\$ 17,217.96	\$ 17,079.64	\$ 18,033.18	\$ 18,171.05	\$ 19,545.31	\$ 229,322.23
51	State Government of TN	\$ 539,812.48	\$ 476,051.39	\$ 462,646.58	\$ 399,535.12	\$ 384,128.46	\$ 394,357.92	\$ 412,528.44	\$ 396,385.42	\$ 370,733.50	\$ 377,792.43	\$ 376,763.69	\$ 417,094.35	\$ 5,007,829.78
Grand Totals:		\$ 1,969,709.45	\$ 1,797,707.71	\$ 1,676,710.39	\$ 1,402,787.11	\$ 1,337,594.76	\$ 1,372,485.66	\$ 1,354,151.16	\$ 1,271,142.36	\$ 1,238,916.70	\$ 1,327,848.91	\$ 1,349,750.92	\$ 1,550,542.97	\$ 17,649,348.10



Appendix 3

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
Fiscal Year Ending June 30, 2016

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	\$ 127,302.53	\$ 189,889.68	\$ 8,318.04	\$ 24,233.90	\$ 26,153.40	\$ 8,277.58	\$ 1,219.29	\$ 1,336.17	\$ 2,905.85	\$ -	\$ 12,352.61	\$ 204,180.92	\$ 112,544.78	\$ 340.74	\$ 719,055.49
4	Historic Metro Courthouse	\$ 60,264.80	\$ 88,605.96	\$ 3,881.40	\$ 11,308.37	\$ 10,284.49	\$ 3,209.16	\$ 569.21	\$ 623.74	\$ 1,355.98	\$ -	\$ 6,135.05	\$ 93,316.56	\$ 35,123.59	\$ 92.28	\$ 314,770.59
7	Parkway Towers	\$ 54,941.99	\$ 85,966.68	\$ 3,765.36	\$ 10,970.05	\$ 10,224.97	\$ 3,672.62	\$ 551.23	\$ 604.13	\$ 1,315.39	\$ 8,097.96	\$ 1,039.71	\$ 108,931.55	\$ 33,292.88	\$ 25.76	\$ 323,400.28
9	Wells Fargo Plaza	\$ 20,251.22	\$ 31,159.20	\$ 1,364.76	\$ 3,976.37	\$ 3,537.36	\$ 1,089.38	\$ 199.97	\$ 219.07	\$ 476.80	\$ 2,909.04	\$ 88.30	\$ 33,529.22	\$ 12,319.40	\$ 47.72	\$ 111,167.81
10	401 Union Building	\$ 21,004.49	\$ 32,108.40	\$ 1,406.40	\$ 4,097.42	\$ -	\$ -	\$ 205.99	\$ 225.78	\$ 491.31	\$ 3,543.12	\$ -	\$ -	\$ -	\$ -	\$ 63,082.91
11	Sheraton Hotel	\$ 115,928.39	\$ 172,667.04	\$ 7,563.60	\$ 22,035.97	\$ 29,005.28	\$ 9,254.47	\$ 1,108.69	\$ 1,215.02	\$ 2,642.31	\$ 14,046.00	\$ 9,868.64	\$ 230,860.52	\$ 123,306.31	\$ 357.82	\$ 739,860.06
12	Municipal Auditorium	\$ 61,412.16	\$ 93,928.09	\$ 4,114.05	\$ 12,163.88	\$ 5,921.72	\$ 2,257.89	\$ 592.11	\$ 648.68	\$ 1,438.90	\$ -	\$ 2,535.04	\$ 45,723.71	\$ 47,323.13	\$ 55.79	\$ 278,115.15
21	Hermitage Hotel	\$ 55,995.24	\$ 80,961.60	\$ 3,546.72	\$ 10,333.13	\$ 9,138.46	\$ 2,709.76	\$ 520.30	\$ 570.19	\$ 1,239.06	\$ 3,162.00	\$ 5,019.93	\$ 93,570.26	\$ 21,153.33	\$ 53.39	\$ 287,973.37
24	Criminal Justice Center	\$ 94,682.88	\$ 133,112.40	\$ 5,831.76	\$ 16,990.37	\$ 15,560.07	\$ 5,084.83	\$ 856.13	\$ 938.23	\$ 2,037.26	\$ -	\$ 4,895.33	\$ 155,720.49	\$ 35,865.38	\$ 84.74	\$ 471,659.87
25	501 Union Building	\$ 22,077.63	\$ 32,637.72	\$ 1,429.68	\$ 4,165.45	\$ 10,492.92	\$ 3,431.02	\$ 209.65	\$ 229.72	\$ 499.47	\$ 2,658.00	\$ 54.09	\$ 83,716.60	\$ 40,407.63	\$ 104.09	\$ 202,113.67
28	4th & Church Building	\$ 237,990.24	\$ -	\$ -	\$ -	\$ 11,553.94	\$ 3,723.60	\$ 700.13	\$ 767.27	\$ -	\$ -	\$ 1,178.50	\$ 129,706.67	\$ 31,355.33	\$ 21.42	\$ 416,997.10
29	Fifth-Third Financial Center	\$ 67,472.11	\$ 120,804.60	\$ 5,289.84	\$ 15,411.67	\$ 11,680.99	\$ 3,258.31	\$ 772.10	\$ 846.08	\$ 1,847.98	\$ 8,984.04	\$ 1,116.13	\$ 144,883.91	\$ -	\$ -	\$ 382,367.76
32	Renaissance Hotel	\$ 139,071.61	\$ 201,350.04	\$ 8,820.60	\$ 25,698.37	\$ 32,025.42	\$ 10,114.61	\$ 1,293.93	\$ 1,418.00	\$ 3,081.45	\$ 16,703.04	\$ 142.87	\$ 266,665.49	\$ 135,920.28	\$ 299.16	\$ 842,604.87
33	Convention Center	\$ 171,242.66	\$ 254,917.68	\$ 11,166.60	\$ 32,533.17	\$ 25,370.74	\$ 8,630.59	\$ 1,636.85	\$ 1,793.81	\$ 3,901.00	\$ -	\$ 1,025.34	\$ 233,803.95	\$ 90,227.46	\$ 221.29	\$ 836,471.14
34	Renaissance Office Tower	\$ 16,496.06	\$ 29,535.12	\$ 1,293.36	\$ 3,767.99	\$ 5,837.39	\$ 1,642.95	\$ 188.71	\$ 206.86	\$ 451.80	\$ 2,595.00	\$ 745.27	\$ 71,821.00	\$ -	\$ -	\$ 134,581.51
35	St. Mary's Catholic Church	\$ 11,403.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 380.04	\$ -	\$ -	\$ -	\$ -	\$ 11,783.16
36	Nashville City Center	\$ 54,986.86	\$ 98,450.52	\$ 4,311.00	\$ 12,559.77	\$ 13,757.56	\$ 3,842.33	\$ 629.22	\$ 689.52	\$ 1,506.03	\$ 8,604.00	\$ 4,206.19	\$ 170,046.45	\$ -	\$ -	\$ 373,589.45
38	Wildhorse Saloon	\$ 20,469.35	\$ 32,238.84	\$ 1,412.04	\$ 4,113.95	\$ 5,312.94	\$ 1,611.44	\$ 206.66	\$ 226.52	\$ 493.29	\$ 2,088.00	\$ 217.29	\$ 53,557.43	\$ 13,731.13	\$ 31.35	\$ 135,710.23
39	Ryman Auditorium	\$ 22,206.34	\$ 34,543.41	\$ 1,512.98	\$ 4,467.81	\$ 11,808.07	\$ 3,584.28	\$ 218.01	\$ 238.82	\$ 529.11	\$ 2,024.04	\$ -	\$ 100,547.95	\$ 37,321.72	\$ 111.33	\$ 219,113.87
40	Bridgestone Arena	\$ 227,424.34	\$ 365,102.40	\$ 15,990.72	\$ 46,587.62	\$ 48,574.49	\$ 14,482.73	\$ 2,339.72	\$ 2,563.96	\$ 5,586.27	\$ -	\$ 657.95	\$ 510,449.04	\$ 71,451.16	\$ 213.00	\$ 1,311,423.40
41	L.P. Field	\$ 97,035.63	\$ 173,736.24	\$ 7,607.64	\$ 22,164.28	\$ 21,157.16	\$ 4,953.05	\$ 1,110.28	\$ 1,216.80	\$ 2,657.70	\$ -	\$ 5,737.91	\$ 268,575.80	\$ -	\$ -	\$ 605,952.49
43	Hume-Fogg High School	\$ 32,315.30	\$ 49,589.40	\$ 2,172.00	\$ 6,328.31	\$ 2,983.96	\$ 1,073.25	\$ 318.11	\$ 348.65	\$ 758.79	\$ -	\$ 2,656.14	\$ 29,408.59	\$ 12,407.10	\$ 21.99	\$ 140,381.59
44	Schermerhorn Symphony Center	\$ 173,376.00	\$ -	\$ -	\$ -	\$ 12,802.90	\$ 4,000.76	\$ 504.69	\$ 553.02	\$ -	\$ -	\$ -	\$ 104,537.82	\$ 46,267.32	\$ 128.04	\$ 342,170.55
45	Nashville Public Library	\$ 78,708.60	\$ -	\$ -	\$ -	\$ 16,982.73	\$ 5,393.14	\$ 786.32	\$ 861.79	\$ -	\$ -	\$ 608.43	\$ 186,928.92	\$ 29,956.50	\$ 36.43	\$ 320,262.86
49	Viridian Residential Tower	\$ 141,312.00	\$ -	\$ -	\$ -	\$ 5,542.24	\$ 1,438.76	\$ 378.96	\$ 415.33	\$ -	\$ -	\$ 11,670.01	\$ 69,034.02	\$ -	\$ -	\$ 229,791.32
50	Music City Center	\$ 930,792.46	\$ 105,538.56	\$ -	\$ 85,576.58	\$ 105,865.00	\$ 33,252.10	\$ 5,829.57	\$ 6,388.48	\$ -	\$ -	\$ 15,508.88	\$ 857,264.49	\$ 450,515.91	\$ 1,263.56	\$ 2,597,795.59
51	Hyatt Place Hotel	\$ 125,574.00	\$ -	\$ -	\$ -	\$ 7,767.29	\$ 2,487.90	\$ 386.88	\$ 423.93	\$ -	\$ -	\$ 1,682.55	\$ 53,198.35	\$ 37,692.22	\$ 109.11	\$ 229,322.23
51	State Government of TN	\$ 1,639,133.88	\$ 1,219,261.08	\$ -	\$ -	\$ 146,480.07	\$ 46,957.55	\$ -	\$ 9,463.40	\$ 20,579.15	\$ -	\$ 56,637.70	\$ 1,323,166.00	\$ 545,063.67	\$ 1,087.28	\$ 5,007,829.78
	Grand Totals:	\$ 4,820,871.89	\$ 3,626,104.66	\$ 100,798.55	\$ 379,484.43	\$ 605,821.56	\$ 189,434.06	\$ 23,332.71	\$ 35,032.97	\$ 55,794.90	\$ 75,794.28	\$ 145,779.86	\$ 5,623,145.71	\$ 1,963,246.23	\$ 4,706.29	\$ 17,649,348.10
	Rate Calculation Totals:	\$ 5,694,228.58	\$ 4,990,623.68	\$ 161,340.24	\$ 563,786.81	\$ 606,046.33	\$ 189,536.76	\$ 31,997.93	\$ 35,066.00	\$ 56,363.42	\$ 75,794.28	\$ 145,779.86	\$ 5,624,519.96	\$ 1,965,951.29	\$ 4,708.45	\$ 20,145,743.59
	Deviation:	\$ (873,356.69)	\$ (1,364,519.02)	\$ (60,541.69)	\$ (184,302.38)	\$ (224.77)	\$ (102.70)	\$ (8,665.22)	\$ (33.03)	\$ (568.52)	\$ -	\$ -	\$ (1,374.25)	\$ (2,705.06)	\$ (2.16)	\$ (2,496,395.49)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
July, 2015

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	\$ 13,300.40	\$ 15,824.14	\$ 693.17	\$ 1,934.02	\$ 3,876.48	\$ 556.64	\$ 24.27	\$ -	\$ 318.77	\$ -	\$ 585.87	\$ 33,909.60	\$ 7,545.92	\$ -	\$ 78,569.28
4	Historic Metro Courthouse	\$ 6,296.39	\$ 7,383.83	\$ 323.45	\$ 902.48	\$ 1,572.79	\$ 215.93	\$ 11.32	\$ -	\$ 148.75	\$ -	\$ 412.96	\$ 16,439.30	\$ 1,994.02	\$ -	\$ 35,701.22
7	Parkway Towers	\$ 5,740.26	\$ 7,163.89	\$ 313.78	\$ 875.48	\$ 1,204.79	\$ 151.21	\$ 10.97	\$ -	\$ 144.30	\$ 674.83	\$ -	\$ 16,429.10	\$ -	\$ -	\$ 32,708.61
9	Wells Fargo Plaza	\$ 2,115.82	\$ 2,596.60	\$ 113.73	\$ 317.34	\$ 609.18	\$ 79.24	\$ 3.98	\$ -	\$ 52.31	\$ 242.42	\$ -	\$ 7,554.51	\$ 299.66	\$ -	\$ 13,984.79
10	401 Union Building	\$ 2,194.52	\$ 2,675.70	\$ 117.20	\$ 327.00	\$ -	\$ -	\$ 4.10	\$ -	\$ 53.90	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,667.68
11	Sherraton Hotel	\$ 12,112.05	\$ 14,388.92	\$ 630.30	\$ 1,758.62	\$ 3,562.45	\$ 500.92	\$ 22.06	\$ -	\$ 289.87	\$ 1,170.50	\$ -	\$ 34,034.55	\$ 5,791.17	\$ -	\$ 74,261.41
12	Municipal Auditorium	\$ 6,416.26	\$ 7,956.52	\$ 348.50	\$ 972.36	\$ 840.59	\$ 110.03	\$ 12.19	\$ -	\$ 160.27	\$ -	\$ -	\$ 10,240.04	\$ 486.83	\$ -	\$ 27,543.59
21	Hermitage Hotel	\$ 5,850.31	\$ 6,746.80	\$ 295.56	\$ 824.65	\$ 1,342.54	\$ 170.80	\$ 10.35	\$ -	\$ 135.93	\$ 263.50	\$ 282.27	\$ 17,685.97	\$ 247.51	\$ -	\$ 33,856.19
24	Criminal Justice Center	\$ 9,892.34	\$ 11,092.70	\$ 485.98	\$ 1,355.94	\$ 1,869.17	\$ 253.34	\$ 17.03	\$ -	\$ 223.49	\$ -	\$ 556.82	\$ 20,423.49	\$ 2,016.91	\$ -	\$ 48,187.21
25	501 Union Building	\$ 2,306.64	\$ 2,719.81	\$ 119.14	\$ 332.43	\$ 1,097.76	\$ 159.21	\$ 4.17	\$ -	\$ 54.79	\$ 221.50	\$ -	\$ 9,176.85	\$ 2,306.46	\$ -	\$ 18,498.76
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 1,756.67	\$ 220.48	\$ 13.93	\$ -	\$ -	\$ -	\$ -	\$ 23,954.91	\$ -	\$ -	\$ 45,778.51
29	Fifth-Third Financial Center	\$ 7,049.40	\$ 10,067.05	\$ 440.82	\$ 1,229.95	\$ 1,958.27	\$ 245.79	\$ 15.38	\$ -	\$ 202.72	\$ 748.67	\$ 17.12	\$ 26,704.03	\$ -	\$ -	\$ 48,679.20
32	Renaissance Hotel	\$ 14,530.02	\$ 16,779.17	\$ 735.05	\$ 2,050.89	\$ 4,848.06	\$ 670.47	\$ 25.74	\$ -	\$ 338.04	\$ 1,391.92	\$ -	\$ 49,353.66	\$ 6,671.98	\$ -	\$ 97,395.00
33	Convention Center	\$ 17,891.21	\$ 21,243.14	\$ 930.55	\$ 2,596.35	\$ 2,897.57	\$ 397.05	\$ 32.57	\$ -	\$ 427.94	\$ -	\$ -	\$ 30,490.07	\$ 3,592.49	\$ -	\$ 80,498.94
34	Renaissance Office Tower	\$ 1,723.49	\$ 2,461.26	\$ 107.78	\$ 300.71	\$ 992.62	\$ 124.59	\$ 3.76	\$ -	\$ 49.56	\$ 216.25	\$ -	\$ 13,535.88	\$ -	\$ -	\$ 19,515.90
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 5,744.96	\$ 8,204.21	\$ 359.25	\$ 1,002.35	\$ 2,114.24	\$ 265.36	\$ 12.54	\$ -	\$ 165.21	\$ 717.00	\$ -	\$ 28,830.88	\$ -	\$ -	\$ 47,416.00
38	Wildhorse Saloon	\$ 2,138.61	\$ 2,686.57	\$ 117.67	\$ 328.32	\$ 758.68	\$ 98.65	\$ 4.12	\$ -	\$ 54.12	\$ 174.00	\$ -	\$ 9,418.50	\$ 369.20	\$ -	\$ 16,148.44
39	Ryman Auditorium	\$ 2,320.09	\$ 2,922.08	\$ 127.99	\$ 357.10	\$ 1,676.34	\$ 238.20	\$ 4.47	\$ -	\$ 58.85	\$ 168.67	\$ -	\$ 15,343.43	\$ 2,992.58	\$ -	\$ 26,209.80
40	Bridgestone Arena	\$ 23,761.00	\$ 30,425.20	\$ 1,332.56	\$ 3,717.99	\$ 6,140.55	\$ 826.81	\$ 46.58	\$ -	\$ 612.81	\$ -	\$ -	\$ 68,567.65	\$ 6,039.30	\$ -	\$ 141,470.45
41	L.P. Field	\$ 10,138.16	\$ 14,478.02	\$ 633.97	\$ 1,768.86	\$ 4,507.75	\$ 565.77	\$ 22.12	\$ -	\$ 291.55	\$ -	\$ -	\$ 61,470.06	\$ -	\$ -	\$ 93,876.26
43	Hume-Fogg High School	\$ 3,376.26	\$ 4,132.45	\$ 181.00	\$ 505.04	\$ 311.01	\$ 39.08	\$ 6.33	\$ -	\$ 83.24	\$ -	\$ 258.47	\$ 4,228.16	\$ 5.13	\$ -	\$ 13,126.17
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 1,811.84	\$ 260.67	\$ 10.04	\$ -	\$ -	\$ -	\$ -	\$ 15,714.43	\$ 3,580.51	\$ -	\$ 35,825.49
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,824.36	\$ 229.38	\$ 15.65	\$ -	\$ -	\$ -	\$ 89.54	\$ 24,770.88	\$ 42.63	\$ -	\$ 33,531.49
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 985.44	\$ 123.68	\$ 7.55	\$ -	\$ -	\$ -	\$ 706.56	\$ 13,438.04	\$ -	\$ -	\$ 27,037.27
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,829.31	\$ 17,862.71	\$ 2,533.83	\$ 116.04	\$ -	\$ -	\$ -	\$ 378.08	\$ 164,676.63	\$ 31,418.12	\$ -	\$ 310,830.80
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 1,102.59	\$ 164.06	\$ 7.70	\$ -	\$ -	\$ -	\$ -	\$ 8,093.81	\$ 2,763.92	\$ -	\$ 22,596.58
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 23,674.03	\$ 3,294.04	\$ -	\$ -	\$ 2,257.52	\$ -	\$ 2,062.71	\$ 235,587.91	\$ 34,736.69	\$ -	\$ 539,812.48
	Grand Totals:	\$ 433,744.21	\$ 302,348.03	\$ 8,407.45	\$ 30,287.19	\$ 91,198.48	\$ 12,495.23	\$ 464.96	\$ -	\$ 6,123.94	\$ 6,316.19	\$ 5,350.40	\$ 960,072.34	\$ 112,901.03	\$ -	\$ 1,969,709.45
	Rate Calculation Totals:	\$ 529,686.55	\$ 408,556.24	\$ 13,445.02	\$ 37,513.33	\$ 91,215.40	\$ 12,500.00	\$ 637.50	\$ -	\$ 6,183.03	\$ 6,316.19	\$ 5,350.40	\$ 960,303.75	\$ 112,901.04	\$ -	\$ 2,184,608.45
	Deviation:	\$ (95,942.34)	\$ (106,208.21)	\$ (5,037.57)	\$ (7,226.14)	\$ (16.92)	\$ (4.77)	\$ (172.54)	\$ -	\$ (59.09)	\$ -	\$ -	\$ (231.41)	\$ (0.01)	\$ -	\$ (214,899.00)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
August, 2015

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	\$ 13,300.40	\$ 15,824.14	\$ 693.17	\$ 1,679.93	\$ 4,040.67	\$ 634.20	\$ 28.56	\$ 101.83	\$ 231.44	\$ -	\$ 68.93	\$ 26,386.15	\$ 8,540.61	\$ -	\$ 71,530.03
4	Historic Metro Courthouse	\$ 6,296.39	\$ 7,383.83	\$ 323.45	\$ 784.13	\$ 1,591.95	\$ 232.33	\$ 13.33	\$ 47.53	\$ 108.00	\$ -	\$ 569.73	\$ 12,819.16	\$ 2,214.66	\$ -	\$ 32,384.49
7	Parkway Towers	\$ 5,740.26	\$ 7,163.89	\$ 313.78	\$ 759.76	\$ 1,149.04	\$ 143.33	\$ 12.91	\$ 46.06	\$ 104.76	\$ 674.83	\$ -	\$ 12,620.89	\$ -	\$ -	\$ 28,729.51
9	Wells Fargo Plaza	\$ 2,115.82	\$ 2,596.60	\$ 113.73	\$ 275.48	\$ 557.89	\$ 69.59	\$ 4.69	\$ 16.70	\$ 37.97	\$ 242.42	\$ -	\$ 6,127.80	\$ -	\$ -	\$ 12,158.69
10	401 Union Building	\$ 2,194.52	\$ 2,675.70	\$ 117.20	\$ 283.90	\$ -	\$ -	\$ 4.82	\$ 17.21	\$ 39.13	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,627.74
11	Sheraton Hotel	\$ 12,112.05	\$ 14,388.92	\$ 630.30	\$ 1,527.61	\$ 4,767.84	\$ 723.45	\$ 25.96	\$ 92.59	\$ 210.45	\$ 1,170.50	\$ 1,870.83	\$ 34,575.13	\$ 8,444.78	\$ -	\$ 80,540.41
12	Municipal Auditorium	\$ 6,416.26	\$ 7,956.52	\$ 348.50	\$ 843.94	\$ 813.90	\$ 110.78	\$ 14.34	\$ 51.15	\$ 116.36	\$ -	\$ 220.56	\$ 7,660.88	\$ 606.91	\$ -	\$ 25,160.10
21	Hermitage Hotel	\$ 5,850.31	\$ 6,746.80	\$ 295.56	\$ 716.75	\$ 1,748.71	\$ 244.16	\$ 12.18	\$ 43.44	\$ 98.69	\$ 263.50	\$ 271.11	\$ 15,608.87	\$ 1,707.87	\$ -	\$ 33,607.95
24	Criminal Justice Center	\$ 9,892.34	\$ 11,092.70	\$ 485.98	\$ 1,179.19	\$ 2,104.84	\$ 297.33	\$ 20.04	\$ 71.47	\$ 162.26	\$ -	\$ 667.22	\$ 18,312.41	\$ 2,281.25	\$ -	\$ 46,567.03
25	501 Union Building	\$ 2,306.64	\$ 2,719.81	\$ 119.14	\$ 288.80	\$ 1,646.69	\$ 262.74	\$ 4.91	\$ 17.51	\$ 39.78	\$ 221.50	\$ 48.82	\$ 10,160.97	\$ 3,761.56	\$ -	\$ 21,598.87
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 1,669.75	\$ 208.28	\$ 16.40	\$ 58.48	\$ -	\$ -	\$ -	\$ 18,340.23	\$ -	\$ -	\$ 40,125.66
29	Fifth-Third Financial Center	\$ 7,049.40	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 1,901.27	\$ 237.16	\$ 18.10	\$ 64.54	\$ 147.18	\$ 748.67	\$ 68.47	\$ 20,883.20	\$ -	\$ -	\$ 42,690.72
32	Renaissance Hotel	\$ 14,530.02	\$ 16,779.17	\$ 735.05	\$ 1,782.49	\$ 5,228.72	\$ 783.20	\$ 30.30	\$ 108.04	\$ 245.42	\$ 1,391.92	\$ -	\$ 39,325.24	\$ 8,592.95	\$ -	\$ 89,532.52
33	Convention Center	\$ 17,891.21	\$ 21,243.14	\$ 930.55	\$ 2,255.33	\$ 3,232.07	\$ 432.67	\$ 38.33	\$ 136.69	\$ 310.70	\$ -	\$ -	\$ 31,421.51	\$ 1,935.85	\$ -	\$ 79,828.05
34	Renaissance Office Tower	\$ 1,723.49	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 873.55	\$ 108.97	\$ 4.42	\$ 15.78	\$ 35.98	\$ 216.25	\$ 6.28	\$ 9,594.98	\$ -	\$ -	\$ 15,409.09
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 5,744.96	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 2,214.95	\$ 276.29	\$ 14.75	\$ 52.60	\$ 119.95	\$ 717.00	\$ 6.97	\$ 24,328.70	\$ -	\$ -	\$ 42,907.45
38	Wildhorse Saloon	\$ 2,138.61	\$ 2,686.57	\$ 117.67	\$ 284.88	\$ 856.08	\$ 118.96	\$ 4.84	\$ 17.27	\$ 39.28	\$ 174.00	\$ -	\$ 7,720.13	\$ 798.67	\$ -	\$ 14,956.96
39	Ryman Auditorium	\$ 2,320.09	\$ 2,922.08	\$ 127.99	\$ 309.84	\$ 2,044.21	\$ 319.95	\$ 5.27	\$ 18.78	\$ 42.74	\$ 168.67	\$ -	\$ 13,472.33	\$ 4,262.21	\$ -	\$ 26,014.16
40	Bridgestone Arena	\$ 23,761.00	\$ 30,425.20	\$ 1,332.56	\$ 3,225.04	\$ 6,427.36	\$ 869.04	\$ 54.82	\$ 195.47	\$ 444.92	\$ -	\$ -	\$ 61,292.67	\$ 4,415.75	\$ -	\$ 132,443.83
41	L.P. Field	\$ 10,138.16	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 4,783.30	\$ 596.67	\$ 26.02	\$ 92.82	\$ 211.67	\$ -	\$ 393.86	\$ 52,538.96	\$ -	\$ -	\$ 85,424.89
43	Hume-Fogg High School	\$ 3,376.26	\$ 4,132.45	\$ 181.00	\$ 438.45	\$ 431.61	\$ 53.84	\$ 7.45	\$ 26.57	\$ 60.43	\$ -	\$ 201.85	\$ 4,740.73	\$ -	\$ -	\$ 13,650.64
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 2,082.52	\$ 325.81	\$ 11.83	\$ 42.15	\$ -	\$ -	\$ -	\$ 13,744.31	\$ 4,332.84	\$ -	\$ 34,987.46
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 2,039.83	\$ 254.69	\$ 18.41	\$ 65.68	\$ -	\$ -	\$ 91.84	\$ 22,371.56	\$ 15.97	\$ -	\$ 31,417.03
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 997.19	\$ 124.39	\$ 8.88	\$ 31.68	\$ -	\$ -	\$ 718.34	\$ 10,952.95	\$ -	\$ -	\$ 24,609.43
50	Music City Center	\$ 76,914.36	\$ 8,794.88	\$ -	\$ 8,034.47	\$ 17,303.70	\$ 2,689.51	\$ 136.56	\$ 486.97	\$ -	\$ -	\$ -	\$ 116,641.94	\$ 34,843.56	\$ -	\$ 265,845.95
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 1,349.69	\$ 224.50	\$ 9.06	\$ 32.29	\$ -	\$ -	\$ 99.35	\$ 7,062.56	\$ 3,683.78	\$ -	\$ 22,925.73
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 21,533.09	\$ 3,097.17	\$ -	\$ 721.13	\$ 1,639.04	\$ -	\$ 4,209.71	\$ 179,676.50	\$ 26,975.17	\$ -	\$ 476,051.39
Grand Totals:		\$ 432,437.37	\$ 302,348.03	\$ 8,407.45	\$ 28,394.46	\$ 93,390.42	\$ 13,439.01	\$ 547.18	\$ 2,672.43	\$ 4,446.15	\$ 6,316.19	\$ 9,513.87	\$ 778,380.76	\$ 117,414.39	\$ -	\$ 1,797,707.71
Rate Calculation Totals:		\$ 528,379.71	\$ 408,556.24	\$ 13,445.02	\$ 44,133.33	\$ 93,411.10	\$ 13,440.85	\$ 750.00	\$ 2,675.00	\$ 4,489.06	\$ 6,316.19	\$ 9,513.87	\$ 778,607.73	\$ 117,414.40	\$ -	\$ 2,021,132.50
Deviation:		\$ (95,942.34)	\$ (106,208.21)	\$ (5,037.57)	\$ (15,738.87)	\$ (20.68)	\$ (1.84)	\$ (202.82)	\$ (2.57)	\$ (42.91)	\$ -	\$ -	\$ (226.97)	\$ (0.01)	\$ -	\$ (223,424.79)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
September, 2015

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,679.93	\$ 3,463.54	\$ 812.85	\$ 28.56	\$ 101.83	\$ 281.07	\$ -	\$ 647.42	\$ 26,757.98	\$ 8,190.74	\$ 65.70	\$ 69,147.54
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 784.13	\$ 1,219.54	\$ 283.04	\$ 13.33	\$ 47.53	\$ 131.16	\$ -	\$ 581.67	\$ 10,806.27	\$ 2,111.52	\$ 16.94	\$ 28,720.71
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 759.76	\$ 903.20	\$ 203.19	\$ 12.91	\$ 46.06	\$ 127.23	\$ 674.83	\$ 41.36	\$ 10,805.86	\$ -	\$ -	\$ 25,627.14
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.48	\$ 350.03	\$ 78.75	\$ 4.69	\$ 16.70	\$ 46.12	\$ 242.42	\$ -	\$ 4,187.78	\$ -	\$ -	\$ 9,598.64
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 283.90	\$ -	\$ -	\$ 4.82	\$ 17.21	\$ 47.52	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,190.67
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,527.61	\$ 4,022.05	\$ 949.15	\$ 25.96	\$ 92.59	\$ 255.57	\$ 1,170.50	\$ 1,714.43	\$ 28,795.76	\$ 10,782.10	\$ 86.48	\$ 74,094.89
12	Municipal Auditorium	\$ 5,113.85	\$ 7,956.52	\$ 348.50	\$ 843.94	\$ 489.49	\$ 112.81	\$ 14.34	\$ 51.15	\$ 141.31	\$ -	\$ 256.26	\$ 4,683.46	\$ 654.37	\$ 5.25	\$ 20,671.25
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 716.75	\$ 1,005.63	\$ 228.81	\$ 12.18	\$ 43.44	\$ 119.85	\$ 263.50	\$ 409.06	\$ 10,905.25	\$ 628.36	\$ 5.04	\$ 26,043.00
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,179.19	\$ 1,689.17	\$ 387.91	\$ 20.04	\$ 71.47	\$ 197.05	\$ -	\$ 633.44	\$ 16,764.90	\$ 1,921.75	\$ 15.41	\$ 42,343.35
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 288.80	\$ 1,351.81	\$ 318.84	\$ 4.91	\$ 17.51	\$ 48.31	\$ 221.50	\$ 2.63	\$ 9,750.42	\$ 3,583.62	\$ 28.74	\$ 20,294.47
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 1,324.81	\$ 298.04	\$ 16.40	\$ 58.48	\$ -	\$ -	\$ 1,178.50	\$ 15,850.05	\$ -	\$ -	\$ 38,558.80
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 1,523.23	\$ 342.67	\$ 18.10	\$ 64.54	\$ 178.74	\$ 748.67	\$ 86.27	\$ 18,223.83	\$ -	\$ -	\$ 38,377.25
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,782.49	\$ 4,272.22	\$ 999.48	\$ 30.30	\$ 108.04	\$ 298.05	\$ 1,391.92	\$ -	\$ 34,380.29	\$ 9,336.13	\$ 74.89	\$ 81,768.65
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,255.33	\$ 2,840.23	\$ 653.70	\$ 38.33	\$ 136.69	\$ 377.32	\$ -	\$ -	\$ 27,552.17	\$ 3,586.78	\$ 28.77	\$ 73,902.55
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 697.87	\$ 157.00	\$ 4.42	\$ 15.78	\$ 43.70	\$ 216.25	\$ 70.95	\$ 8,349.35	\$ -	\$ -	\$ 13,758.35
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 1,761.86	\$ 396.36	\$ 14.75	\$ 52.60	\$ 145.67	\$ 717.00	\$ 70.31	\$ 21,078.86	\$ -	\$ -	\$ 38,247.50
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 284.88	\$ 683.84	\$ 157.19	\$ 4.84	\$ 17.27	\$ 47.71	\$ 174.00	\$ -	\$ 6,721.44	\$ 814.66	\$ 6.53	\$ 13,421.11
39	Ryman Auditorium	\$ 1,849.14	\$ 2,922.08	\$ 127.99	\$ 309.84	\$ 1,599.34	\$ 375.53	\$ 5.27	\$ 18.78	\$ 51.90	\$ 168.67	\$ -	\$ 12,275.69	\$ 3,826.92	\$ 30.70	\$ 23,561.85
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,225.04	\$ 7,020.20	\$ 1,612.95	\$ 54.82	\$ 195.47	\$ 540.32	\$ -	\$ -	\$ 69,324.22	\$ 8,182.65	\$ 65.63	\$ 140,916.91
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 3,449.46	\$ 776.01	\$ 26.02	\$ 92.82	\$ 257.06	\$ -	\$ 439.89	\$ 41,269.29	\$ -	\$ -	\$ 71,034.23
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.45	\$ 331.87	\$ 74.66	\$ 7.45	\$ 26.57	\$ 73.39	\$ -	\$ 180.47	\$ 3,970.52	\$ -	\$ -	\$ 12,107.76
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 1,623.76	\$ 381.23	\$ 11.83	\$ 42.15	\$ -	\$ -	\$ -	\$ 12,478.84	\$ 3,876.65	\$ 31.09	\$ 32,893.55
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,780.67	\$ 401.97	\$ 18.41	\$ 65.68	\$ -	\$ -	\$ 89.54	\$ 20,704.74	\$ 334.32	\$ 2.68	\$ 29,957.06
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 796.08	\$ 179.09	\$ 8.88	\$ 31.68	\$ -	\$ -	\$ 765.44	\$ 9,524.31	\$ -	\$ -	\$ 23,081.48
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,034.47	\$ 12,586.35	\$ 2,950.46	\$ 136.56	\$ 486.97	\$ -	\$ -	\$ -	\$ 98,721.90	\$ 28,936.57	\$ 232.10	\$ 238,445.95
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 989.18	\$ 235.02	\$ 9.06	\$ 32.29	\$ -	\$ -	\$ 135.28	\$ 6,389.34	\$ 3,038.18	\$ 24.37	\$ 21,317.22
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 18,239.01	\$ 4,227.22	\$ -	\$ 721.13	\$ 1,990.49	\$ -	\$ 4,725.56	\$ 164,121.33	\$ 30,180.18	\$ 242.08	\$ 462,646.58
	Grand Totals:	\$ 401,646.51	\$ 302,348.03	\$ 8,407.45	\$ 28,394.46	\$ 76,014.44	\$ 17,593.93	\$ 547.18	\$ 2,672.43	\$ 5,399.54	\$ 6,316.19	\$ 12,028.48	\$ 694,393.85	\$ 119,985.50	\$ 962.40	\$ 1,676,710.39
	Rate Calculation Totals:	\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 76,033.41	\$ 17,596.20	\$ 750.00	\$ 2,675.00	\$ 5,451.56	\$ 6,316.19	\$ 12,028.48	\$ 694,579.11	\$ 120,008.58	\$ 962.59	\$ 1,889,444.47
	Deviation:	\$ (76,467.37)	\$ (115,003.09)	\$ (5,037.57)	\$ (15,738.87)	\$ (18.97)	\$ (2.27)	\$ (202.82)	\$ (2.57)	\$ (52.02)	\$ -	\$ (185.26)	\$ (23.08)	\$ (0.19)	\$ (212,734.08)	

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
October, 2015

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,679.93	\$ 2,339.62	\$ 590.50	\$ 28.56	\$ -	\$ 213.11	\$ -	\$ 1,152.73	\$ 14,483.89	\$ 9,866.31	\$ -	\$ 57,472.57
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 784.13	\$ 934.84	\$ 222.53	\$ 13.33	\$ -	\$ 99.45	\$ -	\$ 693.80	\$ 6,616.16	\$ 2,991.86	\$ -	\$ 25,081.68
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 759.76	\$ 654.48	\$ 126.48	\$ 12.91	\$ -	\$ 96.47	\$ 674.83	\$ 53.76	\$ 6,442.74	\$ 18.14	\$ -	\$ 20,892.31
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.48	\$ 224.16	\$ 47.03	\$ 4.69	\$ -	\$ 34.97	\$ 242.42	\$ 15.43	\$ 1,976.85	\$ 269.68	\$ -	\$ 7,487.38
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 283.90	\$ -	\$ -	\$ 4.82	\$ -	\$ 36.03	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,161.97
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,527.61	\$ 2,811.23	\$ 701.22	\$ 25.96	\$ -	\$ 193.79	\$ 1,170.50	\$ 107.15	\$ 17,916.38	\$ 11,266.90	\$ -	\$ 60,393.43
12	Municipal Auditorium	\$ 5,113.85	\$ 7,956.52	\$ 348.50	\$ 843.94	\$ 493.47	\$ 130.63	\$ 14.34	\$ -	\$ 107.15	\$ -	\$ 328.45	\$ 2,679.46	\$ 2,511.48	\$ -	\$ 20,527.79
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 716.75	\$ 867.30	\$ 187.77	\$ 12.18	\$ -	\$ 90.87	\$ 263.50	\$ 478.24	\$ 7,292.80	\$ 1,451.72	\$ -	\$ 23,066.26
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,179.19	\$ 1,462.20	\$ 311.50	\$ 20.04	\$ -	\$ 149.41	\$ -	\$ 576.25	\$ 12,607.14	\$ 2,089.64	\$ -	\$ 37,858.39
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 288.80	\$ 1,168.96	\$ 284.80	\$ 4.91	\$ -	\$ 36.63	\$ 221.50	\$ -	\$ 7,868.49	\$ 4,204.99	\$ -	\$ 18,756.46
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 764.40	\$ 153.25	\$ 16.40	\$ -	\$ -	\$ -	\$ -	\$ 7,183.10	\$ 413.13	\$ -	\$ 28,362.80
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 967.53	\$ 186.60	\$ 18.10	\$ -	\$ 135.53	\$ 748.67	\$ 141.17	\$ 9,547.85	\$ -	\$ -	\$ 28,936.65
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,782.49	\$ 3,264.53	\$ 827.00	\$ 30.30	\$ -	\$ 226.00	\$ 1,391.92	\$ -	\$ 20,019.79	\$ 13,984.34	\$ -	\$ 70,621.21
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,255.33	\$ 2,424.98	\$ 544.51	\$ 38.33	\$ -	\$ 286.11	\$ -	\$ 109.48	\$ 19,184.12	\$ 5,442.43	\$ -	\$ 66,718.52
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 489.20	\$ 94.35	\$ 4.42	\$ -	\$ 33.14	\$ 216.25	\$ 128.47	\$ 4,827.56	\$ -	\$ -	\$ 9,996.42
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 1,315.51	\$ 253.72	\$ 14.75	\$ -	\$ 110.45	\$ 717.00	\$ 281.23	\$ 12,981.80	\$ -	\$ -	\$ 29,684.55
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 284.88	\$ 534.38	\$ 120.69	\$ 4.84	\$ -	\$ 36.18	\$ 174.00	\$ -	\$ 4,184.42	\$ 1,248.74	\$ -	\$ 11,096.88
39	Ryman Auditorium	\$ 1,849.14	\$ 2,922.08	\$ 127.99	\$ 309.84	\$ 1,268.41	\$ 301.54	\$ 5.27	\$ -	\$ 39.35	\$ 168.67	\$ -	\$ 9,000.99	\$ 4,031.83	\$ -	\$ 20,025.11
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,225.04	\$ 5,845.11	\$ 1,244.96	\$ 54.82	\$ -	\$ 409.70	\$ -	\$ -	\$ 50,412.79	\$ 8,334.58	\$ -	\$ 120,222.61
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 1,589.85	\$ 306.63	\$ 26.02	\$ -	\$ 194.92	\$ -	\$ 1,139.19	\$ 15,689.04	\$ -	\$ -	\$ 43,669.33
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.45	\$ 157.59	\$ 30.39	\$ 7.45	\$ -	\$ 55.65	\$ -	\$ 241.37	\$ 1,555.15	\$ -	\$ -	\$ 9,490.43
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 1,410.57	\$ 341.89	\$ 11.83	\$ -	\$ -	\$ -	\$ -	\$ 9,604.79	\$ 4,948.04	\$ -	\$ 30,765.12
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 2,176.76	\$ 484.85	\$ 18.41	\$ -	\$ -	\$ -	\$ 84.95	\$ 17,462.72	\$ 4,607.52	\$ -	\$ 31,394.26
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 556.09	\$ 107.25	\$ 8.88	\$ -	\$ -	\$ -	\$ 953.86	\$ 5,487.64	\$ -	\$ -	\$ 18,889.72
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,034.47	\$ 7,951.40	\$ 1,918.98	\$ 136.56	\$ -	\$ -	\$ -	\$ -	\$ 54,653.50	\$ 27,306.18	\$ -	\$ 186,361.66
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 749.10	\$ 185.65	\$ 9.06	\$ -	\$ -	\$ -	\$ 162.76	\$ 4,847.95	\$ 2,917.53	\$ -	\$ 19,336.55
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 13,365.15	\$ 3,121.85	\$ -	\$ -	\$ 1,509.30	\$ -	\$ 6,516.15	\$ 98,270.29	\$ 38,552.80	\$ -	\$ 399,535.12
	Grand Totals:	\$ 401,646.51	\$ 302,348.03	\$ 8,407.45	\$ 28,394.46	\$ 55,786.82	\$ 12,826.57	\$ 547.18	\$ -	\$ 4,094.21	\$ 6,316.19	\$ 13,164.44	\$ 422,797.41	\$ 146,457.84	\$ -	\$ 1,402,787.11
	Rate Calculation Totals:	\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 55,814.87	\$ 12,836.62	\$ 750.00	\$ -	\$ 4,133.78	\$ 6,316.19	\$ 13,164.44	\$ 422,916.24	\$ 146,638.26	\$ -	\$ 1,615,613.75
	Deviation:	\$ (76,467.37)	\$ (115,003.09)	\$ (5,037.57)	\$ (15,738.87)	\$ (28.05)	\$ (10.05)	\$ (202.82)	\$ -	\$ (39.57)	\$ -	\$ -	\$ (118.83)	\$ (180.42)	\$ -	\$ (212,826.64)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
November, 2015

Customer Number	Customer Name	Capacity	Operating	EDS Improvement	Metro Incremental	Water And Sewer	Chemical Treatment	Engineering	Insurance	EDS Electricity	EDS Maint Costs Alloc	TRIF	Electricity	Natural Gas	Propane	Total
2	A. A. Birch	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,679.93	\$ 1,633.44	\$ 591.79	\$ 28.56	\$ -	\$ 252.95	\$ -	\$ 1,500.13	\$ 9,842.24	\$ 9,384.69	\$ -	\$ 52,031.65
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 784.13	\$ 774.35	\$ 274.55	\$ 13.33	\$ -	\$ 118.03	\$ -	\$ 753.37	\$ 5,247.88	\$ 3,392.82	\$ -	\$ 24,084.04
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 759.76	\$ 1,175.06	\$ 413.74	\$ 12.91	\$ -	\$ 114.51	\$ 674.83	\$ 78.58	\$ 8,243.95	\$ 4,639.92	\$ -	\$ 28,166.00
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.48	\$ 254.69	\$ 91.92	\$ 4.69	\$ -	\$ 41.50	\$ 242.42	\$ 48.58	\$ 1,568.73	\$ 1,401.40	\$ -	\$ 8,326.08
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 283.90	\$ -	\$ -	\$ 4.82	\$ -	\$ 42.77	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,168.71
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,527.61	\$ 2,166.08	\$ 778.59	\$ 25.96	\$ -	\$ 230.01	\$ 1,170.50	\$ 721.49	\$ 13,651.80	\$ 11,355.92	\$ -	\$ 56,300.65
12	Municipal Auditorium	\$ 5,113.85	\$ 7,956.52	\$ 348.50	\$ 843.94	\$ 526.85	\$ 202.35	\$ 14.34	\$ -	\$ 127.18	\$ -	\$ 469.21	\$ 2,060.20	\$ 5,048.58	\$ -	\$ 22,711.52
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 716.75	\$ 731.68	\$ 252.79	\$ 12.18	\$ -	\$ 107.85	\$ 263.50	\$ 466.20	\$ 5,602.67	\$ 2,037.68	\$ -	\$ 21,896.43
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,179.19	\$ 1,469.30	\$ 505.98	\$ 20.04	\$ -	\$ 177.35	\$ -	\$ -	\$ 11,411.86	\$ 3,799.66	\$ -	\$ 38,026.40
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 288.80	\$ 992.35	\$ 349.67	\$ 4.91	\$ -	\$ 43.48	\$ 221.50	\$ -	\$ 6,936.27	\$ 3,965.23	\$ -	\$ 17,479.59
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 1,048.29	\$ 369.55	\$ 16.40	\$ -	\$ -	\$ -	\$ -	\$ 7,310.97	\$ 4,218.33	\$ -	\$ 32,796.06
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 916.77	\$ 302.25	\$ 18.10	\$ -	\$ 160.86	\$ 748.67	\$ 31.37	\$ 8,427.22	\$ -	\$ -	\$ 27,796.44
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,782.49	\$ 2,525.95	\$ 915.91	\$ 30.30	\$ -	\$ 268.24	\$ 1,391.92	\$ -	\$ 15,146.10	\$ 14,646.48	\$ -	\$ 65,802.23
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,255.33	\$ 2,237.52	\$ 767.24	\$ 38.33	\$ -	\$ 339.58	\$ -	\$ 210.54	\$ 17,698.12	\$ 5,206.45	\$ -	\$ 65,186.34
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 581.03	\$ 191.56	\$ 4.42	\$ -	\$ 39.33	\$ 216.25	\$ 111.21	\$ 5,340.98	\$ -	\$ -	\$ 10,687.81
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 1,132.49	\$ 373.37	\$ 14.75	\$ -	\$ 131.10	\$ 717.00	\$ 389.88	\$ 10,410.18	\$ -	\$ -	\$ 27,178.86
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 284.88	\$ 421.73	\$ 147.07	\$ 4.84	\$ -	\$ 42.94	\$ 174.00	\$ 23.69	\$ 3,096.77	\$ 1,414.87	\$ -	\$ 10,119.54
39	Ryman Auditorium	\$ 1,849.14	\$ 2,922.08	\$ 127.99	\$ 309.84	\$ 834.35	\$ 276.34	\$ 5.27	\$ -	\$ 46.70	\$ 168.67	\$ -	\$ 7,546.60	\$ 222.96	\$ -	\$ 14,309.94
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,225.04	\$ 4,852.84	\$ 1,634.82	\$ 54.82	\$ -	\$ 486.28	\$ -	\$ 150.39	\$ 41,221.31	\$ 6,145.29	\$ -	\$ 108,466.40
41	LP. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 961.36	\$ 316.95	\$ 26.02	\$ -	\$ 231.35	\$ -	\$ 1,906.17	\$ 8,837.04	\$ -	\$ -	\$ 37,002.57
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.45	\$ 199.31	\$ 70.48	\$ 7.45	\$ -	\$ 66.05	\$ -	\$ 272.95	\$ 1,369.21	\$ 839.80	\$ -	\$ 10,268.08
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 905.76	\$ 323.85	\$ 11.83	\$ -	\$ -	\$ -	\$ -	\$ 5,875.94	\$ 4,445.01	\$ -	\$ 26,010.39
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,946.50	\$ 669.82	\$ 18.41	\$ -	\$ -	\$ -	\$ 4.59	\$ 15,165.68	\$ 4,947.44	\$ -	\$ 29,311.49
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 371.22	\$ 122.39	\$ 8.88	\$ -	\$ -	\$ -	\$ 1,165.82	\$ 3,412.34	\$ -	\$ -	\$ 16,856.65
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,034.47	\$ 6,498.42	\$ 2,341.99	\$ 136.56	\$ -	\$ -	\$ -	\$ -	\$ 40,358.36	\$ 35,154.03	\$ -	\$ 178,884.40
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 537.19	\$ 193.61	\$ 9.06	\$ -	\$ -	\$ -	\$ 169.10	\$ 3,335.75	\$ 2,906.89	\$ -	\$ 17,616.10
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 10,944.67	\$ 3,894.22	\$ -	\$ -	\$ 1,791.41	\$ -	\$ 6,086.55	\$ 72,843.08	\$ 50,368.95	\$ -	\$ 384,128.46
	Grand Totals:	\$ 401,646.51	\$ 302,348.03	\$ 8,407.45	\$ 28,394.46	\$ 46,639.20	\$ 16,372.80	\$ 547.18	\$ -	\$ 4,859.47	\$ 6,316.19	\$ 14,559.82	\$ 331,961.25	\$ 175,542.40	\$ -	\$ 1,337,594.76
	Rate Calculation Totals:	\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 46,668.54	\$ 16,385.46	\$ 750.00	\$ -	\$ 4,906.32	\$ 6,316.19	\$ 14,559.82	\$ 332,020.59	\$ 175,923.30	\$ -	\$ 1,550,573.57
	Deviation:	\$ (76,467.37)	\$ (115,003.09)	\$ (5,037.57)	\$ (15,738.87)	\$ (29.34)	\$ (12.66)	\$ (202.82)	\$ -	\$ (46.85)	\$ -	\$ (59.34)	\$ (380.90)	\$ -	\$ -	\$ (212,978.81)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
December, 2015

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,679.93	\$ 1,087.81	\$ 537.86	\$ 28.56	\$ -	\$ 264.09	\$ -	\$ 1,468.54	\$ 9,944.75	\$ 11,595.59	\$ 5.88	\$ 53,730.93
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 784.13	\$ 431.44	\$ 204.33	\$ 13.33	\$ -	\$ 123.24	\$ -	\$ 613.21	\$ 4,216.78	\$ 3,790.37	\$ 1.92	\$ 22,904.33
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 759.76	\$ 895.48	\$ 414.32	\$ 12.91	\$ -	\$ 119.54	\$ 674.83	\$ 86.85	\$ 9,048.05	\$ 6,988.48	\$ 3.55	\$ 31,056.51
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.48	\$ 158.65	\$ 78.77	\$ 4.69	\$ -	\$ 43.33	\$ 242.42	\$ 24.29	\$ 1,440.53	\$ 1,720.50	\$ 0.87	\$ 8,386.20
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 283.90	\$ -	\$ -	\$ 4.82	\$ -	\$ 44.66	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,170.60
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,527.61	\$ 1,395.81	\$ 677.87	\$ 25.96	\$ -	\$ 240.13	\$ 1,170.50	\$ 907.22	\$ 13,132.94	\$ 13,773.59	\$ 6.99	\$ 57,531.31
12	Municipal Auditorium	\$ 5,113.85	\$ 7,956.52	\$ 348.50	\$ 843.94	\$ 301.71	\$ 197.01	\$ 14.34	\$ -	\$ 132.78	\$ -	\$ -	\$ 1,310.60	\$ 7,513.07	\$ 3.81	\$ 23,736.13
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 716.75	\$ 417.08	\$ 182.25	\$ 12.18	\$ -	\$ 112.61	\$ 263.50	\$ 436.13	\$ 4,538.67	\$ 2,291.95	\$ 1.16	\$ 20,677.41
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,179.19	\$ 997.83	\$ 426.40	\$ 20.04	\$ -	\$ 185.15	\$ -	\$ -	\$ 11,149.73	\$ 4,618.42	\$ 2.34	\$ 38,042.12
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 288.80	\$ 652.53	\$ 296.80	\$ 4.91	\$ -	\$ 45.39	\$ 221.50	\$ -	\$ 6,748.12	\$ 4,632.86	\$ 2.35	\$ 17,570.64
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 711.73	\$ 329.00	\$ 16.40	\$ -	\$ -	\$ -	\$ -	\$ 7,200.53	\$ 5,527.06	\$ 2.80	\$ 33,620.04
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 703.72	\$ 264.47	\$ 18.10	\$ -	\$ 167.95	\$ 748.67	\$ 94.11	\$ 8,960.68	\$ -	\$ -	\$ 28,148.90
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,782.49	\$ 1,469.77	\$ 728.52	\$ 30.30	\$ -	\$ 280.05	\$ 1,391.92	\$ -	\$ 13,382.46	\$ 15,828.00	\$ 8.03	\$ 63,996.38
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,255.33	\$ 1,618.09	\$ 718.81	\$ 38.33	\$ -	\$ 354.53	\$ -	\$ 73.69	\$ 17,252.77	\$ 9,946.30	\$ 5.05	\$ 68,696.13
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 411.24	\$ 154.55	\$ 4.42	\$ -	\$ 41.06	\$ 216.25	\$ 113.13	\$ 5,236.43	\$ -	\$ -	\$ 10,380.11
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 772.32	\$ 290.25	\$ 14.75	\$ -	\$ 136.87	\$ 717.00	\$ 434.62	\$ 9,834.26	\$ -	\$ -	\$ 26,210.16
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 284.88	\$ 280.90	\$ 124.87	\$ 4.84	\$ -	\$ 44.84	\$ 174.00	\$ 41.06	\$ 2,992.35	\$ 1,734.70	\$ 0.88	\$ 10,192.07
39	Ryman Auditorium	\$ 1,849.14	\$ 2,922.08	\$ 127.99	\$ 309.84	\$ 681.92	\$ 307.03	\$ 5.27	\$ -	\$ 48.77	\$ 168.67	\$ -	\$ 7,146.78	\$ 4,560.15	\$ 2.31	\$ 18,129.95
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,225.04	\$ 3,110.87	\$ 1,250.00	\$ 54.82	\$ -	\$ 507.70	\$ -	\$ 169.19	\$ 37,163.52	\$ 7,266.99	\$ 3.69	\$ 103,447.43
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 638.89	\$ 240.11	\$ 26.02	\$ -	\$ 241.54	\$ -	\$ 654.19	\$ 8,135.20	\$ -	\$ -	\$ 34,659.63
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.45	\$ 226.84	\$ 109.86	\$ 7.45	\$ -	\$ 68.97	\$ -	\$ 81.21	\$ 2,143.68	\$ 2,210.58	\$ 1.12	\$ 12,292.54
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 622.29	\$ 288.46	\$ 11.83	\$ -	\$ -	\$ -	\$ -	\$ 6,270.81	\$ 4,906.26	\$ 2.49	\$ 26,550.14
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,352.00	\$ 577.04	\$ 18.41	\$ -	\$ -	\$ -	\$ 4.59	\$ 15,128.60	\$ 6,194.12	\$ 3.14	\$ 29,836.95
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 226.53	\$ 85.13	\$ 8.88	\$ -	\$ -	\$ -	\$ 1,230.59	\$ 2,884.45	\$ -	\$ -	\$ 16,211.58
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,034.47	\$ 4,693.00	\$ 2,334.86	\$ 136.56	\$ -	\$ -	\$ -	\$ 2,931.68	\$ 42,467.74	\$ 51,318.98	\$ 26.03	\$ 198,303.89
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 336.95	\$ 163.81	\$ 9.06	\$ -	\$ -	\$ -	\$ 181.78	\$ 3,164.85	\$ 3,341.09	\$ 1.69	\$ 17,663.73
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 7,345.32	\$ 3,503.72	\$ -	\$ -	\$ 1,870.26	\$ -	\$ 5,593.27	\$ 71,031.61	\$ 66,780.28	\$ 33.88	\$ 394,357.92
	Grand Totals:	\$ 401,646.51	\$ 302,348.03	\$ 8,407.45	\$ 28,394.46	\$ 31,540.72	\$ 14,486.10	\$ 547.18	\$ -	\$ 5,073.46	\$ 6,316.19	\$ 15,139.35	\$ 321,926.89	\$ 236,539.34	\$ 119.98	\$ 1,372,485.66
	Rate Calculation Totals:	\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 31,562.25	\$ 14,501.35	\$ 750.00	\$ -	\$ 5,122.47	\$ 6,316.19	\$ 15,139.35	\$ 321,980.87	\$ 237,193.46	\$ 120.32	\$ 1,585,729.61
	Deviation:	\$ (76,467.37)	\$ (115,003.09)	\$ (5,037.57)	\$ (15,738.87)	\$ (21.53)	\$ (15.25)	\$ (202.82)	\$ -	\$ (49.01)	\$ -	\$ (53.98)	\$ (654.12)	\$ (0.34)	\$ (213,243.95)	

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
January, 2016

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,679.93	\$ 1,039.91	\$ 573.83	\$ 28.56	\$ -	\$ 218.45	\$ -	\$ 1,694.35	\$ 6,449.45	\$ 13,313.71	\$ -	\$ 52,116.11
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 784.13	\$ 480.26	\$ 261.81	\$ 13.33	\$ -	\$ 101.93	\$ -	\$ 579.57	\$ 3,137.52	\$ 5,393.70	\$ -	\$ 23,477.83
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 759.76	\$ 1,099.99	\$ 585.77	\$ 12.91	\$ -	\$ 98.89	\$ 674.83	\$ 285.36	\$ 7,875.95	\$ 9,077.35	\$ -	\$ 32,523.55
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.48	\$ 145.87	\$ 79.84	\$ 4.69	\$ -	\$ 35.85	\$ 242.42	\$ -	\$ 936.82	\$ 1,714.98	\$ -	\$ 7,832.62
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 283.90	\$ -	\$ -	\$ 4.82	\$ -	\$ 36.93	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,162.87
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,527.61	\$ 1,338.98	\$ 736.00	\$ 25.96	\$ -	\$ 198.64	\$ 1,170.50	\$ 1,114.38	\$ 8,446.65	\$ 16,466.21	\$ -	\$ 55,697.62
12	Municipal Auditorium	\$ 5,113.85	\$ 7,956.52	\$ 348.50	\$ 843.94	\$ 513.17	\$ 309.86	\$ 14.34	\$ -	\$ 109.83	\$ -	\$ -	\$ 1,857.58	\$ 12,863.05	\$ -	\$ 29,930.64
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 716.75	\$ 398.39	\$ 213.20	\$ 12.18	\$ -	\$ 93.14	\$ 263.50	\$ 463.20	\$ 2,800.57	\$ 3,534.02	\$ -	\$ 20,200.08
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,179.19	\$ 1,141.10	\$ 589.28	\$ 20.04	\$ -	\$ 153.15	\$ -	\$ 2.64	\$ 9,082.94	\$ 5,082.33	\$ -	\$ 36,713.69
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 288.80	\$ 618.14	\$ 327.19	\$ 4.91	\$ -	\$ 37.55	\$ 221.50	\$ 1.32	\$ 4,524.63	\$ 4,632.17	\$ -	\$ 15,333.59
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 775.23	\$ 425.11	\$ 16.40	\$ -	\$ -	\$ -	\$ -	\$ 4,940.47	\$ 9,295.51	\$ -	\$ 35,285.24
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 556.67	\$ 276.96	\$ 18.10	\$ -	\$ 138.93	\$ 748.67	\$ 156.86	\$ 4,953.05	\$ -	\$ -	\$ 24,040.44
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,782.49	\$ 1,350.50	\$ 758.88	\$ 30.30	\$ -	\$ 231.65	\$ 1,391.92	\$ 142.87	\$ 7,697.47	\$ 20,511.04	\$ -	\$ 62,991.96
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,255.33	\$ 2,047.22	\$ 1,099.76	\$ 38.33	\$ -	\$ 293.26	\$ -	\$ 189.49	\$ 14,182.41	\$ 19,153.92	\$ -	\$ 75,692.95
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 316.68	\$ 157.56	\$ 4.42	\$ -	\$ 33.97	\$ 216.25	\$ 115.05	\$ 2,817.73	\$ -	\$ -	\$ 7,864.69
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 644.94	\$ 320.88	\$ 14.75	\$ -	\$ 113.22	\$ 717.00	\$ 696.67	\$ 5,738.44	\$ -	\$ -	\$ 22,255.99
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 284.88	\$ 269.52	\$ 144.23	\$ 4.84	\$ -	\$ 37.08	\$ 174.00	\$ 80.53	\$ 1,894.83	\$ 2,389.95	\$ -	\$ 9,788.61
39	Ryman Auditorium	\$ 1,849.14	\$ 2,922.08	\$ 127.99	\$ 309.84	\$ 467.89	\$ 250.88	\$ 5.27	\$ -	\$ 40.34	\$ 168.67	\$ -	\$ 3,264.64	\$ 4,266.96	\$ -	\$ 13,673.70
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,225.04	\$ 2,109.76	\$ 1,085.60	\$ 54.82	\$ -	\$ 419.96	\$ -	\$ 338.37	\$ 16,988.48	\$ 8,469.81	\$ -	\$ 83,387.45
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 238.95	\$ 118.89	\$ 26.02	\$ -	\$ 199.80	\$ -	\$ -	\$ 2,126.08	\$ -	\$ -	\$ 27,433.42
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.45	\$ 309.57	\$ 168.02	\$ 7.45	\$ -	\$ 57.04	\$ -	\$ 90.23	\$ 2,059.31	\$ 3,301.33	\$ -	\$ 13,435.78
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 662.57	\$ 351.37	\$ 11.83	\$ -	\$ -	\$ -	\$ -	\$ 4,816.17	\$ 5,125.01	\$ -	\$ 25,414.95
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,101.89	\$ 572.76	\$ 18.41	\$ -	\$ -	\$ -	\$ 52.81	\$ 8,586.12	\$ 5,785.27	\$ -	\$ 22,676.31
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 155.33	\$ 77.28	\$ 8.88	\$ -	\$ -	\$ -	\$ 1,430.78	\$ 1,382.09	\$ -	\$ -	\$ 14,830.36
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,034.47	\$ 4,806.63	\$ 2,689.17	\$ 136.56	\$ -	\$ -	\$ -	\$ 4,828.24	\$ 27,981.30	\$ 70,224.22	\$ -	\$ 205,061.16
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 347.36	\$ 191.75	\$ 9.06	\$ -	\$ -	\$ -	\$ 192.35	\$ 2,150.95	\$ 4,463.21	\$ -	\$ 17,819.18
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 8,331.60	\$ 4,574.74	\$ -	\$ -	\$ 1,547.05	\$ -	\$ 5,771.02	\$ 52,801.23	\$ 101,303.22	\$ -	\$ 412,528.44
Grand Totals:		\$ 401,646.51	\$ 302,348.03	\$ 8,407.45	\$ 28,394.46	\$ 31,268.12	\$ 16,940.62	\$ 547.18	\$ -	\$ 4,196.66	\$ 6,316.19	\$ 18,226.09	\$ 209,492.88	\$ 326,366.97	\$ -	\$ 1,354,151.16
Rate Calculation Totals:		\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 31,287.79	\$ 16,953.08	\$ 750.00	\$ -	\$ 4,237.24	\$ 6,316.19	\$ 18,226.09	\$ 209,539.59	\$ 326,977.33	\$ -	\$ 1,567,330.66
Deviation:		\$ (76,467.37)	\$ (115,003.09)	\$ (5,037.57)	\$ (15,738.87)	\$ (19.67)	\$ (12.46)	\$ (202.82)	\$ -	\$ (40.58)	\$ -	\$ -	\$ (46.71)	\$ (610.36)	\$ -	\$ (213,179.50)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
February, 2016

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,681.97	\$ 854.25	\$ 651.10	\$ 28.58	\$ -	\$ 175.02	\$ -	\$ 1,539.60	\$ 6,829.71	\$ 10,459.23	\$ -	\$ 49,337.38
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 785.17	\$ 413.19	\$ 299.70	\$ 13.35	\$ -	\$ 81.67	\$ -	\$ 423.99	\$ 3,657.96	\$ 4,019.70	\$ -	\$ 22,420.31
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 760.43	\$ 714.47	\$ 504.58	\$ 12.92	\$ -	\$ 79.22	\$ 674.83	\$ 144.75	\$ 6,643.23	\$ 6,018.17	\$ -	\$ 27,605.34
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.75	\$ 110.13	\$ 87.97	\$ 4.69	\$ -	\$ 28.72	\$ 242.42	\$ -	\$ 786.64	\$ 1,623.59	\$ -	\$ 7,556.58
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 284.20	\$ -	\$ -	\$ 4.83	\$ -	\$ 29.59	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,155.84
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,529.48	\$ 1,033.87	\$ 781.42	\$ 25.99	\$ -	\$ 159.15	\$ 1,170.50	\$ 1,004.37	\$ 8,418.96	\$ 12,209.37	\$ -	\$ 51,005.80
12	Municipal Auditorium	\$ 4,844.41	\$ 7,646.49	\$ 334.91	\$ 811.48	\$ 358.40	\$ 330.60	\$ 13.79	\$ -	\$ 84.56	\$ -	\$ 22.56	\$ 1,527.95	\$ 8,309.28	\$ -	\$ 24,284.43
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 717.79	\$ 346.53	\$ 244.55	\$ 12.20	\$ -	\$ 74.63	\$ 263.50	\$ 449.36	\$ 3,226.31	\$ 2,906.49	\$ -	\$ 19,946.49
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,181.14	\$ 863.65	\$ 565.19	\$ 20.07	\$ -	\$ 122.71	\$ -	\$ 549.86	\$ 9,072.22	\$ 4,220.00	\$ -	\$ 36,057.86
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 289.17	\$ 453.15	\$ 319.01	\$ 4.92	\$ -	\$ 30.09	\$ 221.50	\$ 1.32	\$ 4,237.12	\$ 3,747.40	\$ -	\$ 13,981.06
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 620.74	\$ 453.95	\$ 16.41	\$ -	\$ -	\$ -	\$ -	\$ 5,408.98	\$ 6,291.92	\$ -	\$ 32,624.52
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 474.16	\$ 276.37	\$ 18.10	\$ -	\$ 111.30	\$ 748.67	\$ 101.96	\$ 5,771.12	\$ -	\$ -	\$ 24,692.88
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,785.05	\$ 1,313.49	\$ 987.95	\$ 30.33	\$ -	\$ 185.59	\$ 1,391.92	\$ -	\$ 10,808.31	\$ 15,182.27	\$ -	\$ 60,779.75
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,258.10	\$ 1,540.86	\$ 1,109.20	\$ 38.37	\$ -	\$ 234.96	\$ -	\$ 147.38	\$ 13,838.06	\$ 14,412.67	\$ -	\$ 70,012.83
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 213.09	\$ 124.20	\$ 4.42	\$ -	\$ 27.21	\$ 216.25	\$ 103.54	\$ 2,593.59	\$ -	\$ -	\$ 7,485.33
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 523.91	\$ 305.37	\$ 14.75	\$ -	\$ 90.71	\$ 717.00	\$ 600.80	\$ 6,376.63	\$ -	\$ -	\$ 22,639.26
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 285.12	\$ 194.74	\$ 137.65	\$ 4.84	\$ -	\$ 29.71	\$ 174.00	\$ 56.22	\$ 1,807.89	\$ 1,648.59	\$ -	\$ 8,847.51
39	Ryman Auditorium	\$ 1,758.49	\$ 2,817.77	\$ 123.41	\$ 298.91	\$ 404.77	\$ 284.63	\$ 5.08	\$ -	\$ 31.16	\$ 168.67	\$ -	\$ 3,792.20	\$ 3,325.61	\$ -	\$ 13,010.70
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,227.30	\$ 1,679.13	\$ 1,060.93	\$ 54.85	\$ -	\$ 336.46	\$ -	\$ -	\$ 18,521.91	\$ 5,614.65	\$ -	\$ 81,190.84
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 248.19	\$ 144.66	\$ 26.02	\$ -	\$ 160.07	\$ -	\$ 545.91	\$ 3,020.77	\$ -	\$ -	\$ 28,869.30
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.89	\$ 162.37	\$ 121.43	\$ 7.45	\$ -	\$ 45.70	\$ -	\$ 68.58	\$ 1,352.18	\$ 1,829.54	\$ -	\$ 11,030.52
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 502.83	\$ 347.55	\$ 11.83	\$ -	\$ -	\$ -	\$ -	\$ 4,851.51	\$ 3,719.02	\$ -	\$ 23,880.74
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 759.21	\$ 494.77	\$ 18.43	\$ -	\$ -	\$ -	\$ 45.92	\$ 8,023.43	\$ 3,568.15	\$ -	\$ 19,468.96
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 121.06	\$ 70.56	\$ 8.88	\$ -	\$ -	\$ -	\$ 1,381.32	\$ 1,473.46	\$ -	\$ -	\$ 14,831.28
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,041.50	\$ 3,696.17	\$ 2,849.10	\$ 136.65	\$ -	\$ -	\$ -	\$ 2,514.85	\$ 28,807.22	\$ 47,435.48	\$ -	\$ 179,841.54
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 292.98	\$ 225.29	\$ 9.07	\$ -	\$ -	\$ -	\$ 207.15	\$ 2,296.00	\$ 3,722.97	\$ -	\$ 17,217.96
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 7,341.96	\$ 5,398.99	\$ -	\$ -	\$ 1,239.48	\$ -	\$ 4,472.73	\$ 63,284.96	\$ 76,447.72	\$ -	\$ 396,385.42
Grand Totals:		\$ 401,286.42	\$ 301,933.69	\$ 8,389.28	\$ 28,375.92	\$ 25,237.30	\$ 18,176.72	\$ 546.82	\$ -	\$ 3,357.71	\$ 6,316.19	\$ 14,382.17	\$ 226,428.32	\$ 236,711.82	\$ -	\$ 1,271,142.36
Rate Calculation Totals:		\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 25,252.14	\$ 18,191.82	\$ 750.00	\$ -	\$ 3,394.74	\$ 6,316.19	\$ 14,382.17	\$ 226,466.34	\$ 237,129.69	\$ -	\$ 1,484,926.44
Deviation:		\$ (76,827.46)	\$ (115,417.43)	\$ (5,055.74)	\$ (15,757.41)	\$ (14.84)	\$ (15.10)	\$ (203.18)	\$ -	\$ (37.03)	\$ -	\$ -	\$ (38.02)	\$ (417.87)	\$ -	\$ (213,784.08)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
March, 2016

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,681.97	\$ 1,134.32	\$ 574.38	\$ 28.58	\$ -	\$ 179.40	\$ -	\$ 1,429.07	\$ 10,274.57	\$ 9,326.60	\$ 17.70	\$ 51,764.51
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 785.17	\$ 424.02	\$ 213.88	\$ 13.35	\$ -	\$ 83.72	\$ -	\$ 501.08	\$ 4,340.10	\$ 2,693.50	\$ 5.11	\$ 21,785.51
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 760.43	\$ 665.63	\$ 335.78	\$ 12.92	\$ -	\$ 81.22	\$ 674.83	\$ 70.31	\$ 6,792.68	\$ 4,260.63	\$ 8.09	\$ 25,715.26
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.75	\$ 140.65	\$ 71.35	\$ 4.69	\$ -	\$ 29.43	\$ 242.42	\$ -	\$ 1,194.54	\$ 1,282.49	\$ 2.43	\$ 7,640.42
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 284.20	\$ -	\$ -	\$ 4.83	\$ -	\$ 30.33	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,156.58
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,529.48	\$ 1,169.78	\$ 592.28	\$ 25.99	\$ -	\$ 163.13	\$ 1,170.50	\$ 957.22	\$ 10,629.52	\$ 9,564.61	\$ 18.15	\$ 50,493.35
12	Municipal Auditorium	\$ 4,844.41	\$ 7,646.49	\$ 334.91	\$ 811.48	\$ 357.50	\$ 182.91	\$ 13.79	\$ -	\$ 86.69	\$ -	\$ 279.72	\$ 2,104.65	\$ 4,739.51	\$ 8.99	\$ 21,411.05
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 717.79	\$ 369.70	\$ 186.13	\$ 12.20	\$ -	\$ 76.50	\$ 263.50	\$ 457.18	\$ 3,998.67	\$ 2,007.65	\$ 3.81	\$ 19,798.26
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,181.14	\$ 906.96	\$ 455.72	\$ 20.07	\$ -	\$ 125.77	\$ -	\$ 549.86	\$ 10,337.41	\$ 4,087.17	\$ 7.76	\$ 37,134.88
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 289.17	\$ 465.35	\$ 234.85	\$ 4.92	\$ -	\$ 30.83	\$ 221.50	\$ -	\$ 4,690.42	\$ 3,071.52	\$ 5.83	\$ 13,691.77
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 606.23	\$ 305.73	\$ 16.41	\$ -	\$ -	\$ -	\$ -	\$ 6,240.78	\$ 3,794.35	\$ 7.20	\$ 30,803.22
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 495.65	\$ 246.72	\$ 18.10	\$ -	\$ 114.10	\$ 748.67	\$ 156.86	\$ 7,056.06	\$ -	\$ -	\$ 26,027.36
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,785.05	\$ 1,421.33	\$ 719.51	\$ 30.33	\$ -	\$ 190.24	\$ 1,391.92	\$ -	\$ 12,995.76	\$ 11,493.69	\$ 21.81	\$ 59,144.48
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,258.10	\$ 1,045.87	\$ 529.48	\$ 38.37	\$ -	\$ 240.84	\$ -	\$ 231.60	\$ 9,540.25	\$ 8,493.23	\$ 16.12	\$ 58,827.09
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 205.43	\$ 102.26	\$ 4.42	\$ -	\$ 27.89	\$ 216.25	\$ 42.18	\$ 2,924.47	\$ -	\$ -	\$ 7,725.93
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 535.82	\$ 266.71	\$ 14.75	\$ -	\$ 92.98	\$ 717.00	\$ 1,150.47	\$ 7,627.91	\$ -	\$ -	\$ 24,415.73
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 285.12	\$ 220.55	\$ 111.13	\$ 4.84	\$ -	\$ 30.45	\$ 174.00	\$ 15.79	\$ 2,328.86	\$ 1,287.69	\$ 2.44	\$ 8,969.62
39	Ryman Auditorium	\$ 1,758.49	\$ 2,817.77	\$ 123.41	\$ 298.91	\$ 480.41	\$ 242.20	\$ 5.08	\$ -	\$ 31.94	\$ 168.67	\$ -	\$ 4,985.59	\$ 2,943.08	\$ 5.59	\$ 13,861.14
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,227.30	\$ 2,072.23	\$ 1,036.55	\$ 54.85	\$ -	\$ 344.89	\$ -	\$ -	\$ 26,449.67	\$ 4,843.79	\$ 9.19	\$ 88,734.08
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 450.93	\$ 224.46	\$ 26.02	\$ -	\$ 164.09	\$ -	\$ 270.70	\$ 6,419.47	\$ -	\$ -	\$ 32,279.35
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.89	\$ 226.74	\$ 114.72	\$ 7.45	\$ -	\$ 46.85	\$ -	\$ 72.19	\$ 2,109.28	\$ 1,776.30	\$ 3.37	\$ 11,800.17
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 525.82	\$ 265.00	\$ 11.83	\$ -	\$ -	\$ -	\$ -	\$ 5,519.01	\$ 3,122.56	\$ 5.93	\$ 23,898.15
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 489.46	\$ 244.05	\$ 18.43	\$ -	\$ -	\$ -	\$ 84.95	\$ 6,719.36	\$ 394.65	\$ 0.75	\$ 14,510.70
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 188.92	\$ 94.04	\$ 8.88	\$ -	\$ -	\$ -	\$ 1,130.50	\$ 2,689.40	\$ -	\$ -	\$ 15,887.74
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,041.50	\$ 4,348.01	\$ 2,201.67	\$ 136.65	\$ -	\$ -	\$ -	\$ 2,362.02	\$ 39,396.87	\$ 35,730.19	\$ 67.80	\$ 178,645.28
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 328.60	\$ 167.08	\$ 9.07	\$ -	\$ -	\$ -	\$ 181.78	\$ 2,561.47	\$ 3,360.76	\$ 6.38	\$ 17,079.64
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 6,969.64	\$ 3,518.12	\$ -	\$ -	\$ 1,270.55	\$ -	\$ 4,186.43	\$ 69,826.59	\$ 46,674.03	\$ 88.56	\$ 370,733.50
	Grand Totals:	\$ 401,286.42	\$ 301,933.69	\$ 8,389.28	\$ 28,375.92	\$ 26,245.55	\$ 13,236.71	\$ 546.82	\$ -	\$ 3,441.84	\$ 6,316.19	\$ 14,129.91	\$ 269,753.36	\$ 164,948.00	\$ 313.01	\$ 1,238,916.70
	Rate Calculation Totals:	\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 26,261.74	\$ 13,246.27	\$ 750.00	\$ -	\$ 3,479.92	\$ 6,316.19	\$ 14,129.91	\$ 269,796.19	\$ 165,246.41	\$ 313.59	\$ 1,452,583.57
	Deviation:	\$ (76,827.46)	\$ (115,417.43)	\$ (5,055.74)	\$ (15,757.41)	\$ (16.19)	\$ (9.56)	\$ (203.18)	\$ -	\$ (38.08)	\$ -	\$ (42.83)	\$ (298.41)	\$ (0.58)	\$ (213,666.87)	

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
April, 2016

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,681.97	\$ 1,881.32	\$ 750.32	\$ 28.58	\$ -	\$ 300.75	\$ -	\$ 1,176.41	\$ 16,425.72	\$ 9,050.23	\$ 46.56	\$ 58,459.78
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 785.17	\$ 658.54	\$ 255.47	\$ 13.35	\$ -	\$ 140.34	\$ -	\$ 508.09	\$ 6,506.76	\$ 2,474.13	\$ 12.73	\$ 24,080.16
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 760.43	\$ 784.11	\$ 301.64	\$ 12.92	\$ -	\$ 136.13	\$ 674.83	\$ 92.64	\$ 8,015.66	\$ 2,700.13	\$ 13.89	\$ 25,545.12
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.75	\$ 242.47	\$ 96.40	\$ 4.69	\$ -	\$ 49.35	\$ 242.42	\$ -	\$ 2,149.90	\$ 1,136.33	\$ 5.85	\$ 8,599.83
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 284.20	\$ -	\$ -	\$ 4.83	\$ -	\$ 50.85	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,177.10
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,529.48	\$ 1,820.38	\$ 727.07	\$ 25.99	\$ -	\$ 273.47	\$ 1,170.50	\$ 821.50	\$ 15,781.93	\$ 8,859.47	\$ 45.58	\$ 55,728.06
12	Municipal Auditorium	\$ 4,844.41	\$ 7,646.49	\$ 334.91	\$ 811.48	\$ 433.99	\$ 183.29	\$ 13.79	\$ -	\$ 145.30	\$ -	\$ 284.23	\$ 2,711.99	\$ 3,074.91	\$ 15.82	\$ 20,500.61
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 717.79	\$ 522.75	\$ 200.09	\$ 12.20	\$ -	\$ 128.24	\$ 263.50	\$ 458.99	\$ 5,450.33	\$ 1,702.56	\$ 8.76	\$ 21,170.34
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,181.14	\$ 977.91	\$ 369.07	\$ 20.07	\$ -	\$ 210.85	\$ -	\$ 136.36	\$ 10,748.09	\$ 2,678.72	\$ 13.78	\$ 35,799.01
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 289.17	\$ 616.48	\$ 242.21	\$ 4.92	\$ -	\$ 51.69	\$ 221.50	\$ -	\$ 5,767.98	\$ 2,612.35	\$ 13.44	\$ 14,497.12
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 773.82	\$ 293.08	\$ 16.41	\$ -	\$ -	\$ -	\$ -	\$ 8,395.76	\$ 2,219.80	\$ 11.42	\$ 31,542.81
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 637.72	\$ 222.62	\$ 18.10	\$ -	\$ 191.25	\$ 748.67	\$ 81.56	\$ 8,915.07	\$ -	\$ -	\$ 28,006.19
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,785.05	\$ 1,812.71	\$ 726.93	\$ 30.33	\$ -	\$ 318.92	\$ 1,391.92	\$ -	\$ 15,407.92	\$ 9,104.10	\$ 46.84	\$ 59,719.56
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,258.10	\$ 1,612.29	\$ 644.69	\$ 38.37	\$ -	\$ 403.74	\$ -	\$ 63.16	\$ 13,901.19	\$ 7,917.10	\$ 40.73	\$ 63,312.60
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 270.24	\$ 94.34	\$ 4.42	\$ -	\$ 46.76	\$ 216.25	\$ 54.46	\$ 3,777.83	\$ -	\$ -	\$ 8,667.33
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 813.16	\$ 283.86	\$ 14.75	\$ -	\$ 155.86	\$ 717.00	\$ 287.62	\$ 11,367.63	\$ -	\$ -	\$ 27,649.97
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 285.12	\$ 284.90	\$ 108.58	\$ 4.84	\$ -	\$ 51.06	\$ 174.00	\$ -	\$ 3,019.72	\$ 882.72	\$ 4.54	\$ 9,324.23
39	Ryman Auditorium	\$ 1,758.49	\$ 2,817.77	\$ 123.41	\$ 298.91	\$ 649.93	\$ 253.05	\$ 5.08	\$ -	\$ 53.54	\$ 168.67	\$ -	\$ 6,324.65	\$ 2,530.67	\$ 13.02	\$ 14,997.19
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,227.30	\$ 3,035.16	\$ 1,108.32	\$ 54.85	\$ -	\$ 578.14	\$ -	\$ -	\$ 37,283.53	\$ 4,717.36	\$ 24.27	\$ 100,724.54
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 875.79	\$ 305.73	\$ 26.02	\$ -	\$ 275.05	\$ -	\$ 106.02	\$ 12,243.21	\$ -	\$ -	\$ 38,555.50
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.89	\$ 343.45	\$ 137.10	\$ 7.45	\$ -	\$ 78.53	\$ -	\$ 157.91	\$ 2,985.68	\$ 1,664.02	\$ 8.56	\$ 12,825.97
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 748.35	\$ 291.57	\$ 11.83	\$ -	\$ -	\$ -	\$ -	\$ 7,260.74	\$ 2,933.76	\$ 15.09	\$ 25,709.34
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,202.05	\$ 448.66	\$ 18.43	\$ -	\$ -	\$ -	\$ 2.30	\$ 13,740.68	\$ 2,807.79	\$ 14.45	\$ 24,793.41
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 324.24	\$ 113.19	\$ 8.88	\$ -	\$ -	\$ -	\$ 950.32	\$ 4,532.79	\$ -	\$ -	\$ 17,705.42
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,041.50	\$ 6,805.51	\$ 2,706.22	\$ 136.65	\$ -	\$ -	\$ -	\$ 1,507.52	\$ 60,262.99	\$ 31,964.76	\$ 164.46	\$ 197,950.18
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 497.51	\$ 204.20	\$ 9.07	\$ -	\$ -	\$ -	\$ 156.42	\$ 3,734.41	\$ 2,951.88	\$ 15.19	\$ 18,033.18
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 8,803.07	\$ 3,413.88	\$ -	\$ -	\$ 2,129.85	\$ -	\$ 5,014.58	\$ 87,098.75	\$ 32,963.13	\$ 169.59	\$ 377,792.43
	Grand Totals:	\$ 401,286.42	\$ 301,933.69	\$ 8,389.28	\$ 28,375.92	\$ 37,427.85	\$ 14,481.58	\$ 546.82	\$ -	\$ 5,769.67	\$ 6,316.19	\$ 11,860.09	\$ 373,810.91	\$ 136,945.92	\$ 704.57	\$ 1,327,848.91
	Rate Calculation Totals:	\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 37,444.52	\$ 14,490.49	\$ 750.00	\$ -	\$ 5,833.22	\$ 6,316.19	\$ 11,860.09	\$ 373,900.87	\$ 137,077.27	\$ 705.26	\$ 1,541,421.26
	Deviation:	\$ (76,827.46)	\$ (115,417.43)	\$ (5,055.74)	\$ (15,757.41)	\$ (16.67)	\$ (8.91)	\$ (203.18)	\$ -	\$ (63.55)	\$ -	\$ -	\$ (89.96)	\$ (131.35)	\$ (0.69)	\$ (213,572.35)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
May, 2016

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,681.97	\$ 2,280.92	\$ 839.87	\$ 28.58	\$ -	\$ 265.97	\$ -	\$ 852.70	\$ 17,533.32	\$ 8,887.22	\$ 82.21	\$ 59,570.68
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 785.17	\$ 821.11	\$ 299.97	\$ 13.35	\$ -	\$ 124.11	\$ -	\$ 290.84	\$ 7,575.67	\$ 2,325.68	\$ 21.51	\$ 24,982.99
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 760.43	\$ 460.02	\$ 164.53	\$ 12.92	\$ -	\$ 120.40	\$ 674.83	\$ 74.44	\$ 6,118.67	\$ 7.17	\$ 0.07	\$ 20,446.22
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.75	\$ 327.71	\$ 121.14	\$ 4.69	\$ -	\$ 43.64	\$ 242.42	\$ -	\$ 2,267.39	\$ 1,450.82	\$ 13.42	\$ 9,143.65
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 284.20	\$ -	\$ -	\$ 4.83	\$ -	\$ 44.97	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,171.22
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,529.48	\$ 2,347.46	\$ 863.12	\$ 25.99	\$ -	\$ 241.85	\$ 1,170.50	\$ 607.19	\$ 18,705.17	\$ 8,689.98	\$ 80.38	\$ 58,933.81
12	Municipal Auditorium	\$ 4,844.41	\$ 7,646.49	\$ 334.91	\$ 811.48	\$ 446.23	\$ 164.36	\$ 13.79	\$ -	\$ 128.50	\$ -	\$ 358.23	\$ 3,403.86	\$ 1,756.91	\$ 16.25	\$ 19,925.42
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 717.79	\$ 709.24	\$ 258.33	\$ 12.20	\$ -	\$ 113.41	\$ 263.50	\$ 457.18	\$ 6,954.02	\$ 1,725.13	\$ 15.96	\$ 22,931.89
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,181.14	\$ 1,036.33	\$ 374.80	\$ 20.07	\$ -	\$ 186.47	\$ -	\$ 659.83	\$ 11,580.80	\$ 1,539.27	\$ 14.24	\$ 36,055.97
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 289.17	\$ 732.17	\$ 268.19	\$ 4.92	\$ -	\$ 45.72	\$ 221.50	\$ -	\$ 6,376.19	\$ 2,335.67	\$ 21.61	\$ 14,972.52
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 606.57	\$ 216.92	\$ 16.41	\$ -	\$ -	\$ -	\$ -	\$ 8,081.61	\$ -	\$ -	\$ 28,754.03
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 676.18	\$ 241.81	\$ 18.10	\$ -	\$ 169.15	\$ 748.67	\$ 109.80	\$ 9,009.03	\$ -	\$ -	\$ 28,163.94
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,785.05	\$ 2,175.13	\$ 796.68	\$ 30.33	\$ -	\$ 282.04	\$ 1,391.92	\$ -	\$ 18,973.08	\$ 6,917.71	\$ 63.99	\$ 61,510.77
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,258.10	\$ 2,345.63	\$ 861.35	\$ 38.37	\$ -	\$ 357.05	\$ -	\$ -	\$ 19,274.55	\$ 8,279.61	\$ 76.59	\$ 69,924.48
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 367.35	\$ 131.37	\$ 4.42	\$ -	\$ 41.35	\$ 216.25	\$ -	\$ 4,894.45	\$ -	\$ -	\$ 9,858.22
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 887.73	\$ 317.47	\$ 14.75	\$ -	\$ 137.85	\$ 717.00	\$ 287.62	\$ 11,827.73	\$ -	\$ -	\$ 28,200.24
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 285.12	\$ 344.48	\$ 124.75	\$ 4.84	\$ -	\$ 45.15	\$ 174.00	\$ -	\$ 3,756.98	\$ 575.60	\$ 5.32	\$ 9,824.99
39	Ryman Auditorium	\$ 1,758.49	\$ 2,817.77	\$ 123.41	\$ 298.91	\$ 819.66	\$ 299.83	\$ 5.08	\$ -	\$ 47.35	\$ 168.67	\$ -	\$ 7,352.65	\$ 2,466.55	\$ 22.82	\$ 16,181.19
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,227.30	\$ 3,014.06	\$ 1,086.42	\$ 54.85	\$ -	\$ 511.31	\$ -	\$ -	\$ 35,618.29	\$ 3,138.00	\$ 29.03	\$ 97,374.87
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 1,278.57	\$ 457.24	\$ 26.02	\$ -	\$ 243.26	\$ -	\$ 146.63	\$ 17,035.09	\$ -	\$ -	\$ 43,910.49
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.89	\$ 205.99	\$ 76.13	\$ 7.45	\$ -	\$ 69.45	\$ -	\$ 478.23	\$ 1,429.32	\$ 909.10	\$ 8.41	\$ 10,627.35
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 909.56	\$ 333.01	\$ 11.83	\$ -	\$ -	\$ -	\$ -	\$ 8,001.42	\$ 2,846.01	\$ 26.33	\$ 26,576.16
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,261.56	\$ 455.37	\$ 18.43	\$ -	\$ -	\$ -	\$ -	\$ 14,569.66	\$ 1,547.61	\$ 14.32	\$ 24,426.00
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 400.54	\$ 143.24	\$ 8.88	\$ -	\$ -	\$ -	\$ 836.10	\$ 5,336.65	\$ -	\$ -	\$ 18,501.41
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,041.50	\$ 8,609.84	\$ 3,163.17	\$ 136.65	\$ -	\$ -	\$ -	\$ 375.14	\$ 69,948.12	\$ 30,944.51	\$ 286.24	\$ 207,865.74
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 593.78	\$ 219.61	\$ 9.07	\$ -	\$ -	\$ -	\$ 141.62	\$ 4,045.52	\$ 2,672.23	\$ 24.72	\$ 18,171.05
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 9,850.08	\$ 3,599.66	\$ -	\$ -	\$ 1,883.60	\$ -	\$ 4,397.11	\$ 90,211.60	\$ 28,359.74	\$ 262.32	\$ 376,763.69
	Grand Totals:	\$ 401,286.42	\$ 301,933.69	\$ 8,389.28	\$ 28,375.92	\$ 43,507.90	\$ 15,878.34	\$ 546.82	\$ -	\$ 5,102.60	\$ 6,316.19	\$ 10,072.66	\$ 409,880.84	\$ 117,374.52	\$ 1,085.74	\$ 1,349,750.92
	Rate Calculation Totals:	\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 43,521.49	\$ 15,885.37	\$ 750.00	\$ -	\$ 5,158.98	\$ 6,316.19	\$ 10,072.66	\$ 410,001.54	\$ 117,416.54	\$ 1,086.12	\$ 1,563,252.24
	Deviation:	\$ (76,827.46)	\$ (115,417.43)	\$ (5,055.74)	\$ (15,757.41)	\$ (13.59)	\$ (7.03)	\$ (203.18)	\$ -	\$ (56.38)	\$ -	\$ -	\$ (120.70)	\$ (42.02)	\$ (0.38)	\$ (213,501.32)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
June, 2016

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	\$ 10,600.61	\$ 15,824.14	\$ 693.17	\$ 1,681.97	\$ 2,592.94	\$ 770.11	\$ 28.58	\$ 1,132.51	\$ 204.83	\$ -	\$ 236.86	\$ 25,504.47	\$ 7,672.71	\$ 122.69	\$ 67,065.59
4	Historic Metro Courthouse	\$ 5,018.30	\$ 7,383.83	\$ 323.45	\$ 785.17	\$ 995.51	\$ 286.53	\$ 13.35	\$ 528.68	\$ 95.58	\$ -	\$ 206.74	\$ 12,024.30	\$ 2,130.73	\$ 34.07	\$ 29,826.24
7	Parkway Towers	\$ 4,575.07	\$ 7,163.89	\$ 313.78	\$ 760.43	\$ 557.66	\$ 147.22	\$ 12.92	\$ 512.01	\$ 92.72	\$ 674.83	\$ 111.66	\$ 9,978.00	\$ 9.81	\$ 0.16	\$ 24,910.16
9	Wells Fargo Plaza	\$ 1,686.34	\$ 2,596.60	\$ 113.73	\$ 275.75	\$ 427.53	\$ 130.43	\$ 4.69	\$ 185.67	\$ 33.61	\$ 242.42	\$ -	\$ 3,362.90	\$ 1,572.66	\$ 25.15	\$ 10,657.48
10	401 Union Building	\$ 1,749.06	\$ 2,675.70	\$ 117.20	\$ 284.20	\$ -	\$ -	\$ 4.83	\$ 191.36	\$ 34.63	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,352.24
11	Sheraton Hotel	\$ 9,653.47	\$ 14,388.92	\$ 630.30	\$ 1,529.48	\$ 2,650.27	\$ 783.51	\$ 25.99	\$ 1,029.84	\$ 186.25	\$ 1,170.50	\$ 42.86	\$ 26,952.54	\$ 7,519.52	\$ 120.24	\$ 66,683.69
12	Municipal Auditorium	\$ 4,844.41	\$ 7,646.49	\$ 334.91	\$ 811.48	\$ 361.97	\$ 99.47	\$ 13.79	\$ 546.38	\$ 98.97	\$ -	\$ 315.82	\$ 5,522.64	\$ 354.63	\$ 5.67	\$ 20,956.63
21	Hermitage Hotel	\$ 4,662.77	\$ 6,746.80	\$ 295.56	\$ 717.79	\$ 711.85	\$ 200.88	\$ 12.20	\$ 483.31	\$ 87.34	\$ 263.50	\$ 391.01	\$ 9,574.90	\$ 1,166.91	\$ 18.66	\$ 25,333.48
24	Criminal Justice Center	\$ 7,884.34	\$ 11,092.70	\$ 485.98	\$ 1,181.14	\$ 1,097.66	\$ 311.47	\$ 20.07	\$ 795.29	\$ 143.60	\$ -	\$ 563.05	\$ 14,346.36	\$ 1,952.04	\$ 31.21	\$ 39,904.91
25	501 Union Building	\$ 1,838.43	\$ 2,719.81	\$ 119.14	\$ 289.17	\$ 727.12	\$ 214.35	\$ 4.92	\$ 194.70	\$ 35.21	\$ 221.50	\$ -	\$ 7,544.32	\$ 2,008.39	\$ 32.12	\$ 15,949.18
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 941.78	\$ 248.45	\$ 16.41	\$ 650.31	\$ -	\$ -	\$ -	\$ 16,896.22	\$ -	\$ -	\$ 38,585.69
29	Fifth-Third Financial Center	\$ 5,618.47	\$ 10,067.05	\$ 440.82	\$ 1,064.86	\$ 921.65	\$ 243.14	\$ 18.10	\$ 717.00	\$ 130.27	\$ 748.67	\$ 70.58	\$ 16,534.98	\$ -	\$ -	\$ 36,575.59
32	Renaissance Hotel	\$ 11,580.62	\$ 16,779.17	\$ 735.05	\$ 1,785.05	\$ 2,435.89	\$ 701.26	\$ 30.33	\$ 1,201.92	\$ 217.21	\$ 1,391.92	\$ -	\$ 29,382.21	\$ 5,228.17	\$ 83.60	\$ 71,552.40
33	Convention Center	\$ 14,259.54	\$ 21,243.14	\$ 930.55	\$ 2,258.10	\$ 1,611.02	\$ 462.90	\$ 38.37	\$ 1,520.43	\$ 274.97	\$ -	\$ -	\$ 19,648.39	\$ 3,378.95	\$ 54.03	\$ 65,680.39
34	Renaissance Office Tower	\$ 1,373.64	\$ 2,461.26	\$ 107.78	\$ 260.35	\$ 444.70	\$ 117.32	\$ 4.42	\$ 175.30	\$ 31.85	\$ 216.25	\$ -	\$ 7,978.26	\$ -	\$ -	\$ 13,171.13
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.81	\$ 8,204.21	\$ 359.25	\$ 867.82	\$ 1,101.61	\$ 290.61	\$ 14.75	\$ 584.32	\$ 106.16	\$ 717.00	\$ -	\$ 19,763.70	\$ -	\$ -	\$ 36,588.24
38	Wildhorse Saloon	\$ 1,704.51	\$ 2,686.57	\$ 117.67	\$ 285.12	\$ 482.06	\$ 135.33	\$ 4.84	\$ 191.98	\$ 34.77	\$ 174.00	\$ -	\$ 6,655.29	\$ 727.71	\$ 11.64	\$ 13,211.49
39	Ryman Auditorium	\$ 1,758.49	\$ 2,817.77	\$ 123.41	\$ 298.91	\$ 916.22	\$ 267.59	\$ 5.08	\$ 201.26	\$ 36.47	\$ 168.67	\$ -	\$ 10,118.37	\$ 2,307.22	\$ 36.89	\$ 19,056.35
40	Bridgestone Arena	\$ 18,937.85	\$ 30,425.20	\$ 1,332.56	\$ 3,227.30	\$ 3,449.25	\$ 966.89	\$ 54.85	\$ 2,173.02	\$ 393.78	\$ -	\$ -	\$ 47,975.88	\$ 5,077.27	\$ 81.19	\$ 114,095.04
41	L.P. Field	\$ 8,080.25	\$ 14,478.02	\$ 633.97	\$ 1,531.44	\$ 2,228.30	\$ 587.84	\$ 26.02	\$ 1,031.16	\$ 187.34	\$ -	\$ 135.35	\$ 39,977.33	\$ -	\$ -	\$ 68,897.02
43	Hume-Fogg High School	\$ 2,690.93	\$ 4,132.45	\$ 181.00	\$ 438.89	\$ 87.98	\$ 23.58	\$ 7.45	\$ 295.51	\$ 53.49	\$ -	\$ 552.68	\$ 1,488.25	\$ 32.94	\$ 0.53	\$ 9,985.68
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 1,033.92	\$ 305.80	\$ 11.83	\$ 468.72	\$ -	\$ -	\$ -	\$ 10,480.29	\$ 2,946.06	\$ 47.11	\$ 29,741.73
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,115.29	\$ 294.98	\$ 18.43	\$ 730.43	\$ -	\$ -	\$ 57.40	\$ 19,822.68	\$ 68.05	\$ 1.09	\$ 28,667.40
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 444.15	\$ 117.17	\$ 8.88	\$ 351.97	\$ -	\$ -	\$ 400.38	\$ 7,968.32	\$ -	\$ -	\$ 21,066.87
50	Music City Center	\$ 77,565.69	\$ 8,794.88	\$ -	\$ 8,041.50	\$ 11,004.15	\$ 3,244.59	\$ 136.65	\$ 5,414.54	\$ -	\$ -	\$ 611.35	\$ 114,019.35	\$ 30,451.29	\$ 486.93	\$ 259,770.92
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 660.82	\$ 200.12	\$ 9.07	\$ 359.35	\$ -	\$ -	\$ 54.96	\$ 5,558.58	\$ 2,299.07	\$ 36.76	\$ 19,643.23
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 10,548.31	\$ 2,986.77	\$ -	\$ 8,021.14	\$ 1,450.60	\$ -	\$ 3,601.88	\$ 139,427.67	\$ 18,188.51	\$ 290.85	\$ 422,715.31
	Grand Totals:	\$ 401,286.42	\$ 301,933.69	\$ 8,389.28	\$ 28,375.92	\$ 49,549.61	\$ 14,138.31	\$ 546.82	\$ 29,688.11	\$ 3,929.65	\$ 6,316.19	\$ 7,352.58	\$ 628,506.20	\$ 95,092.64	\$ 1,520.59	\$ 1,576,626.01
	Rate Calculation Totals:	\$ 478,113.88	\$ 417,351.12	\$ 13,445.02	\$ 44,133.33	\$ 49,558.66	\$ 14,140.69	\$ 750.00	\$ 29,716.00	\$ 3,973.10	\$ 6,316.19	\$ 7,352.58	\$ 628,667.84	\$ 95,092.63	\$ 1,520.57	\$ 1,790,131.61
	Deviation:	\$ (76,827.46)	\$ (115,417.43)	\$ (5,055.74)	\$ (15,757.41)	\$ (9.05)	\$ (2.38)	\$ (203.18)	\$ (27.89)	\$ (43.45)	\$ -	\$ -	\$ (161.64)	\$ 0.01	\$ 0.02	\$ (213,505.60)

Metro Nashville District Energy System
Revenues
Chilled Water and Steam
Fiscal Year 15-16 True Up

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	\$ (5,304.37)	\$ -	\$ -	\$ 3,810.45	\$ (71.82)	\$ 394.13	\$ 880.76	\$ -	\$ -	\$ -	\$ -	\$ (160.93)	\$ (1,288.78)	\$ -	\$ (1,740.56)
4	Historic Metro Courthouse	\$ (2,510.98)	\$ -	\$ -	\$ 1,775.26	\$ (33.05)	\$ 159.09	\$ 411.16	\$ -	\$ -	\$ -	\$ -	\$ (71.30)	\$ (409.10)	\$ -	\$ (678.92)
7	Parkway Towers	\$ (2,289.23)	\$ -	\$ -	\$ 1,733.86	\$ (38.96)	\$ 180.83	\$ 398.20	\$ -	\$ -	\$ -	\$ -	\$ (83.23)	\$ (426.92)	\$ -	\$ (525.45)
9	Wells Fargo Plaza	\$ (843.82)	\$ -	\$ -	\$ 627.40	\$ (11.60)	\$ 56.95	\$ 144.40	\$ -	\$ -	\$ -	\$ -	\$ (25.17)	\$ (152.71)	\$ -	\$ (204.55)
10	401 Union Building	\$ (875.15)	\$ -	\$ -	\$ 646.02	\$ -	\$ -	\$ 148.82	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (80.31)
11	Sheraton Hotel	\$ (4,830.41)	\$ -	\$ -	\$ 3,464.29	\$ (80.92)	\$ 439.87	\$ 800.92	\$ -	\$ -	\$ -	\$ -	\$ (180.81)	\$ (1,417.31)	\$ -	\$ (1,804.37)
12	Municipal Auditorium	\$ (1,211.66)	\$ -	\$ -	\$ 2,070.48	\$ (15.55)	\$ 123.79	\$ 424.93	\$ -	\$ -	\$ -	\$ -	\$ (39.60)	\$ (596.40)	\$ -	\$ 755.99
21	Hermitage Hotel	\$ (2,333.08)	\$ -	\$ -	\$ 1,619.03	\$ (32.94)	\$ 140.00	\$ 375.87	\$ -	\$ -	\$ -	\$ -	\$ (68.77)	\$ (254.52)	\$ -	\$ (554.41)
24	Criminal Justice Center	\$ (3,945.20)	\$ -	\$ -	\$ 2,653.59	\$ (56.05)	\$ 236.84	\$ 618.51	\$ -	\$ -	\$ -	\$ -	\$ (116.86)	\$ (421.78)	\$ -	\$ (1,030.95)
25	501 Union Building	\$ (919.95)	\$ -	\$ -	\$ 654.37	\$ (29.59)	\$ 153.16	\$ 151.42	\$ -	\$ -	\$ -	\$ -	\$ (65.18)	\$ (454.59)	\$ -	\$ (510.36)
28	4th & Church Building	\$ -	\$ -	\$ -	\$ -	\$ (46.08)	\$ 201.76	\$ 505.75	\$ -	\$ -	\$ -	\$ -	\$ (96.94)	\$ (404.77)	\$ -	\$ 159.72
29	Fifth-Third Financial Center	\$ (2,811.39)	\$ -	\$ -	\$ 2,468.26	\$ (51.83)	\$ 171.75	\$ 557.62	\$ -	\$ -	\$ -	\$ -	\$ (102.21)	\$ -	\$ -	\$ 232.20
32	Renaissance Hotel	\$ (5,794.63)	\$ -	\$ -	\$ 4,027.29	\$ (92.88)	\$ 498.82	\$ 934.74	\$ -	\$ -	\$ -	\$ -	\$ (206.80)	\$ (1,576.58)	\$ -	\$ (2,210.04)
33	Convention Center	\$ (7,135.16)	\$ -	\$ -	\$ 5,114.34	\$ (82.61)	\$ 409.23	\$ 1,182.45	\$ -	\$ -	\$ -	\$ -	\$ (179.66)	\$ (1,118.32)	\$ -	\$ (1,809.73)
34	Renaissance Office Tower	\$ (687.32)	\$ -	\$ -	\$ 603.43	\$ (25.61)	\$ 84.88	\$ 136.33	\$ -	\$ -	\$ -	\$ -	\$ (50.51)	\$ -	\$ -	\$ 61.20
35	St. Mary's Catholic Church	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36	Nashville City Center	\$ (2,291.16)	\$ -	\$ -	\$ 2,011.40	\$ (60.98)	\$ 202.08	\$ 454.43	\$ -	\$ -	\$ -	\$ -	\$ (120.27)	\$ -	\$ -	\$ 195.50
38	Wildhorse Saloon	\$ (852.97)	\$ -	\$ -	\$ 650.75	\$ (18.92)	\$ 82.34	\$ 149.30	\$ -	\$ -	\$ -	\$ -	\$ (39.75)	\$ (161.97)	\$ -	\$ (191.22)
39	Ryman Auditorium	\$ (471.99)	\$ -	\$ -	\$ 757.12	\$ (35.38)	\$ 167.51	\$ 156.52	\$ -	\$ -	\$ -	\$ -	\$ (75.97)	\$ (415.02)	\$ -	\$ 82.79
40	Bridgestone Arena	\$ (9,476.16)	\$ -	\$ -	\$ 7,382.89	\$ (182.03)	\$ 699.44	\$ 1,689.97	\$ -	\$ -	\$ -	\$ -	\$ (370.88)	\$ (794.28)	\$ -	\$ (1,051.05)
41	L.P. Field	\$ (4,043.19)	\$ -	\$ -	\$ 3,549.58	\$ (94.18)	\$ 312.09	\$ 801.94	\$ -	\$ -	\$ -	\$ -	\$ (185.74)	\$ -	\$ -	\$ 340.50
43	Hume-Fogg High School	\$ (1,346.52)	\$ -	\$ -	\$ 998.12	\$ (10.37)	\$ 53.96	\$ 229.83	\$ -	\$ -	\$ -	\$ -	\$ (22.88)	\$ (161.64)	\$ -	\$ (259.50)
44	Schermerhorn Symphony Center	\$ -	\$ -	\$ -	\$ -	\$ (36.89)	\$ 184.55	\$ 364.52	\$ -	\$ -	\$ -	\$ -	\$ (80.44)	\$ (514.41)	\$ -	\$ (82.67)
45	Nashville Public Library	\$ -	\$ -	\$ -	\$ -	\$ (66.85)	\$ 264.80	\$ 568.06	\$ -	\$ -	\$ -	\$ -	\$ (137.19)	\$ (357.02)	\$ -	\$ 271.80
49	Viridian Residential Tower	\$ -	\$ -	\$ -	\$ -	\$ (24.55)	\$ 81.35	\$ 273.73	\$ -	\$ -	\$ -	\$ -	\$ (48.42)	\$ -	\$ -	\$ 282.11
50	Music City Center	\$ -	\$ -	\$ -	\$ (9,667.05)	\$ (300.89)	\$ 1,628.55	\$ 4,210.92	\$ -	\$ -	\$ -	\$ -	\$ (671.43)	\$ (5,211.98)	\$ -	\$ (10,011.88)
51	Hyatt Place Hotel	\$ -	\$ -	\$ -	\$ -	\$ (18.46)	\$ 113.20	\$ 279.47	\$ -	\$ -	\$ -	\$ -	\$ (42.84)	\$ (429.29)	\$ -	\$ (97.92)
51	State Government of TN	\$ -	\$ -	\$ -	\$ -	\$ (465.86)	\$ 2,327.17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,015.52)	\$ (6,466.75)	\$ -	\$ (5,620.96)
	Grand Totals:	\$ (59,974.34)	\$ -	\$ -	\$ 36,950.88	\$ (1,984.85)	\$ 9,368.14	\$ 16,850.57	\$ -	\$ -	\$ -	\$ -	\$ (4,259.30)	\$ (23,034.14)	\$ -	\$ (26,083.04)
	Rate Calculation Totals:	\$ (144,976.48)	\$ -	\$ -	\$ 40,806.85	\$ (1,985.58)	\$ 9,368.56	\$ 23,110.43	\$ -	\$ -	\$ -	\$ -	\$ (4,260.70)	\$ (23,067.62)	\$ -	\$ (101,004.54)
	Deviation:	\$ 85,002.14	\$ -	\$ -	\$ (3,855.97)	\$ 0.73	\$ (0.42)	\$ (6,259.86)	\$ -	\$ -	\$ -	\$ -	\$ 1.40	\$ 33.48	\$ -	\$ 74,921.50



Appendix 4

CNE INVOICE RECONCILIATION - FY 2015 - 2016

SALES SUMMARY FROM CUSTOMER METER READS

MONTH		7	8	9	10	11	12	1	2	3	4	5	6	TOTAL
STEAM SALES	Previously invoiced, lbs	13,114,972	12,355,289	14,728,978	19,972,142	26,189,202	34,953,509	60,496,993	49,603,741	32,967,764	25,650,567	21,117,900	14,096,923	325,247,980
	Reconciled, lbs	13,114,972	12,355,289	14,728,978	19,972,142	26,189,202	34,953,509	60,496,993	49,603,741	32,967,764	25,650,567	21,117,900	14,096,923	325,247,980
CHW SALES	Previously invoiced, ton-hrs	9,285,943	7,676,086	6,735,482	4,425,137	3,304,214	3,313,493	2,278,241	2,691,450	3,779,666	4,584,173	5,311,980	7,951,131	61,336,996
	Reconciled, ton-hrs	9,285,943	7,676,086	6,735,482	4,425,137	3,304,214	3,313,493	2,278,241	2,691,450	3,779,666	4,584,173	5,311,980	7,951,131	61,336,996
SUMMARY FROM CUSTOMER METER READS from INVOICES (paste link)														
START DATE		07/01/15	08/01/15	09/01/15	10/01/15	10/31/15	11/30/15	12/31/15	01/31/16	02/29/16	03/31/16	05/01/16	06/01/16	07/01/15
END DATE		07/31/15	08/31/15	10/01/15	10/31/15	11/30/15	12/31/15	01/31/16	02/29/16	03/31/16	04/30/16	05/31/16	06/30/16	06/30/16
CHW SALES	ton-hrs	9,285,943	7,676,086	6,735,482	4,425,137	3,304,214	3,313,493	2,278,241	2,691,450	3,779,666	4,584,173	5,311,980	7,951,131	61,336,996
CHW SENDOUT	ton-hrs	9,627,400	8,041,100	7,051,000	4,643,500	3,435,700	3,449,500	2,414,300	2,774,600	3,811,500	4,661,400	5,517,600	8,432,800	63,860,400
CHW ELECTRIC	kWh	8,367,902	7,075,677	6,031,228	3,874,705	2,893,492	2,847,632	2,078,734	2,251,093	3,075,360	3,764,235	4,559,839	7,119,545	53,939,442
CHW MUW	galls	17,713,000	14,914,000	12,824,000	7,989,000	5,541,000	5,351,000	3,377,000	3,960,000	6,241,000	8,305,000	10,053,000	15,777,000	112,045,000
STEAM SALES	mbs	13,115	12,355	14,729	19,972	26,189	34,954	60,497	49,604	32,968	25,651	21,118	14,097	325,248
STEAM SENDOUT	mbs	19,262	19,673	20,291	25,333	31,836	39,704	63,436	52,952	37,664	30,745	26,469	20,353	387,718
STEAM PRODUCTION	mbs	22,495	23,399	24,282	29,844	36,502	45,135	72,177	62,694	43,456	35,028	30,035	23,750	448,797
NATURAL GAS	mmBtu	26,113	26,919	29,631	36,085	46,909	67,445	95,984	72,518	50,899	41,849	35,741	27,516	557,609
PROPANE	mmBtu	0	0	65	0	0	0	0	0	25	55	41	57	243
STEAM ELECTRIC	kWh	52,119	52,974	54,962	63,246	76,796	97,151	146,128	122,699	91,261	73,152	57,176	52,334	939,996
CONDENSATE RETURN	galls	1,841,900	1,825,400	1,926,200	2,478,300	3,183,200	3,845,100	6,203,900	5,245,500	3,624,000	2,927,200	2,590,400	1,952,900	37,644,000
	mbs	15,022	14,888	15,710	20,213	25,962	31,360	50,598	42,782	29,557	23,874	21,127	15,928	307,021
	°F	184 °F	186 °F	189 °F	181 °F	175 °F	173 °F	173 °F	174 °F	175 °F	177 °F	182 °F	190 °F	177.8
STEAM MUW	galls	491,460	551,830	472,680	565,640	727,440	1,100,940	1,808,130	1,430,400	1,141,160	984,220	738,470	572,970	10,585,340
	mbs	4,101	4,605	3,945	4,720	6,071	9,188	15,089	11,937	9,523	8,214	6,163	4,782	88,338
Days in Service		31	31	31	31	31	32	32	30	32	31	31	30	373
Efficiency - Cooling	kWh/ton-hr-Sold	0.901	0.922	0.895	0.876	0.876	0.859	0.912	0.836	0.814	0.821	0.858	0.895	0.879
Efficiency - Heating	Dth/klb-Sendout	1.356	1.368	1.464	1.424	1.473	1.699	1.513	1.370	1.352	1.363	1.352	1.355	1.439

CNE INVOICE RECONCILIATION - FY 2015 - 2016

FINALIZE FUEL EFFICIENCY ADJUSTMENTS

SUMMARY	ELECTRIC FEA	FUEL GAS FEA	WATER FEA	System TOTAL	Include FEA in INVOICE (YES/NO)
STEAM SYSTEM	\$24,311.81	\$51,107.67	\$434.98	\$75,854.46	YES
CHILLED WATER SYSTEM	\$242,927.22	\$0.00	\$132,824.45	\$375,751.67	
TOTAL	\$267,239.03	\$51,107.67	\$133,259.43	\$451,606.13	

ELECTRICITY-TO-STEAM CONVERSION

CONTRACTUAL GUARANTEE	6.000	kWh per mlb sold	CNE PENALTY/BONUS CALCULATION	PENALTY	BONUS
Metering Inaccuracy Buffer	0%		RATE VARIANCE kWh per mlb sold	0.000	3.046
GUARANTEED MAX QUANTITY	6.000	kWh per mlb sold	STEAM SOLD 325,248 mlb		
CEPS FUEL EFFICIENCY ADJUSTM	6.000	kWh per mlb sold	VARIANCE in kWh = RATE VARIANCE x STEAM SOLD	0	990,762
CEPS ACTUAL CONVERSION RATE	2.954	kWh per mlb sold	AVERAGE ELECTRIC PRICE \$0.0982 / kWh		
			CEPS PENALTY / BONUS	\$0.00	\$24,311.81

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)	79%	of Send-out	CNE PENALTY/BONUS CALCULATION	PENALTY	BONUS
Given Condensate Return at	178 °F	avg. Temp.	RATE VARIANCE Dth. per mlb sold	0.000	0.149
GUARANTEED MAX QUANTITY	1.672	Dth.per mlb sold	STEAM SEND-OUT 387,718 mlb		
CEPS FUEL EFFICIENCY ADJUSTM	1.588	Dth.per mlb sold	VARIANCE in Dth. = RATE VARIANCE x STEAM SOLD	0	57,770
CEPS ACTUAL CONVERSION RATE	1.439	Dth.per mlb sold	AVERAGE FUEL PRICE \$3.5387 / Dth.		
			CEPS PENALTY / BONUS	\$0.00	\$51,107.67

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%		CNE PENALTY/BONUS CALCULATION	PENALTY	BONUS
PLANT LOSSES	7.4805	gallons per cft	VARIANCE in gallons = GMQ - CES ACTUAL USE	0	687,641
VOLUMETRIC CONVERSION	8.15585	gall per lb	AVERAGE WATER PRICE \$2.5303 / kGall		
CONDENSATE RETURN SPEC. VO	11,378,834	gallons	CEPS PENALTY / BONUS	\$0.00	\$434.98
GUARANTEED MAX QUANTITY	10,691,193	gallons	Average water pice excludes sewer.		
CEPS ACTUAL USE			CEPS PENALTY / BONUS	\$0.00	\$51,107.67

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

ELECTRICITY-TO-CHILLED WATER CONVERSION

CONTRACTUAL GUARANTEE	1.055	kWh per ton-hr sold	CNE PENALTY/BONUS CALCULATION	PENALTY	BONUS
Metering Inaccuracy Buffer	0%		RATE VARIANCE kWh per ton-hr sold	0.000	0.161
GUARANTEED MAX QUANTITY	1.055	kWh per ton-hr sold	CHILLED WATER SOLD 61,336,996 ton-hrs		
CEPS FUEL EFFICIENCY ADJUSTM	1.055	kWh per ton-hr sold	VARIANCE in kWh = RATE VARIANCE x CHW SOLD	0	9,899,840
CEPS ACTUAL CONVERSION RATE	0.894	kWh per ton-hr sold	AVERAGE ELECTRIC PRICE \$0.0982 / kWh		
			CEPS PENALTY / BONUS	\$0.00	\$242,927.22

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

WATER-TO-CHILLED WATER CONVERSION

CONTRACTUAL GUARANTEE	5.250	gall per ton-hr sold	CNE PENALTY/BONUS CALCULATION	PENALTY	BONUS
Metering Inaccuracy Buffer	0%		RATE VARIANCE gall per ton-hr sold	0.000	3.423
GUARANTEED MAX QUANTITY	5.250	gall per ton-hr sold	CHILLED WATER SOLD 61,336,996 ton-hrs		
CEPS FUEL EFFICIENCY ADJUSTM	5.250	gall per ton-hr sold	VARIANCE in gallons = RATE VARIANCE x CHW SOLD	0	209,974,229
CEPS ACTUAL CONVERSION RATE	1.827	gall per ton-hr sold	AVERAGE WATER PRICE \$2.5303 / kGall		
			CEPS PENALTY / BONUS	\$0.00	\$132,824.45

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	\$23,788.23	\$24,311.81	\$523.58	ELECTRIC	\$261,907.44	\$242,927.22	(\$18,980.22)
FUEL GAS	\$51,633.71	\$51,107.67	(\$526.04)	FUEL GAS	\$0.00	\$0.00	\$0.00
WATER	\$318.57	\$434.98	\$116.41	WATER	\$132,821.27	\$132,824.45	\$3.18
TOTAL	\$75,740.51	\$75,854.46	\$113.95	TOTAL	\$394,728.71	\$375,751.67	(\$18,977.04)

COMPARISON AMOUNT COLLECTED BY METRO VS 97-13 CAP

FEA COLLECTED BY METRO				METRO PAID	METRO OWES
	STEAM	CHILLED WATER	TOTAL	CNE	CUSTOMER
ELECTRIC	\$8,506.64	\$146,106.88	\$154,613.52		
FUEL GAS	\$15,826.06	\$0.00	\$15,826.06		
WATER	\$440.37	\$74,666.66	\$75,107.03		
TOTAL	\$24,773.07	\$220,773.54	\$245,546.61	\$238,530.29	\$7,016.32



NASHVILLE, TENNESSEE

REV: 1
d
DATE: 7/29/16

CNE INVOICE RECONCILIATION - FY 2015 - 2016

UTILITY INVOICES (Paste Link)

Month of Service 7 8 9 10 11 12 1 2 3 4 5 6 TOTAL

ELECTRIC SERVICE (NES)		7	8	9	10	11	12	1	2	3	4	5	6	TOTAL
Service Dates	From To	6/1/2015 6/30/2015	6/1/2015 6/30/2015	9/1/2015 9/30/2015	9/1/2015 9/30/2015	11/1/2015 11/30/2015	11/1/2015 11/30/2015	1/1/2016 1/31/2016	2/1/2016 2/29/2016	3/1/2016 3/31/2016	4/1/2016 4/30/2016	5/1/2016 5/31/2016	6/1/2016 6/30/2016	6/1/2015 6/30/2016
PEAK Demand	kW	17,902	15,590	14,390	11,816	8,848	8,456	6,661	6,661	6,661	11,256	11,984	15,568	17,902
Service Period Use	kWh	8,613,305	7,111,634	6,149,118	3,913,112	3,049,144	3,032,596	2,319,548	2,453,808	3,249,596	3,926,608	4,698,484	7,254,464	55,771,417
Service Period Charge	\$	\$ 921,339.53	\$ 751,097.06	\$ 664,552.12	\$ 401,168.79	\$ 314,688.10	\$ 302,949.17	\$ 209,539.59	\$ 226,466.34	\$ 269,796.19	\$ 373,900.87	\$ 410,001.54	\$ 628,667.84	\$ 5,474,167.14
Average Charge	\$/kWh	\$ 0.107000	\$ 0.105600	\$ 0.108100	\$ 0.102500	\$ 0.103200	\$ 0.099900	\$ 0.090300	\$ 0.092300	\$ 0.083000	\$ 0.095200	\$ 0.087300	\$ 0.086700	\$ 0.098154

NATURAL GAS SERVICE		7	8	9	10	11	12	1	2	3	4	5	6	TOTAL
Service Dates	From To	7/1/2015 7/31/2015	8/1/2015 8/31/2015	9/1/2015 9/30/2015	10/1/2015 10/31/2015	11/1/2015 11/30/2015	12/1/2015 12/31/2015	1/1/2016 1/31/2016	2/1/2016 2/29/2016	3/1/2016 3/31/2016	4/1/2016 4/30/2016	5/1/2016 5/31/2016	6/1/2016 6/30/2016	7/1/2015 6/30/2016
UTILITY METER Readings	Start Ending	892,787 917,445	917,445 943,058	943,058 971,251	971,251 1,005,038	1,005,038 48,553	48,553 111,002	111,002 199,958	199,958 267,104	267,104 314,233	314,233 353,090	353,090 386,368	386,368 412,108	
UTILITY METER Multiplier		10	10	10	10	10	10	10	10	10	10	10	10	
HEAT FACTOR		1.059	1.051	1.051	1.068	1.078	1.080	1.079	1.080	1.080	1.077	1.074	1.069	
Service Period Use	CCF	246,580	256,130	281,930	337,870	435,150	624,490	889,560	671,460	471,290	388,570	332,780	257,400	5,193,210
	Dth	26,112.8	26,919.3	29,630.8	36,084.5	46,909.2	67,444.9	95,983.5	72,517.7	50,899.3	41,849.0	35,740.6	27,516.1	557,607.7
Service Period Charges														
CONSULTANTS	\$	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	\$8,255.68	99,068.16
NASHVILLE GAS	\$	\$ 15,758.70	\$ 16,073.46	\$ 17,131.73	\$ 19,650.51	\$ 23,875.24	\$ 31,890.04	\$ 41,392.84	\$ 32,634.29	\$ 24,565.27	\$ 21,187.27	\$ 18,855.84	\$ 15,794.43	278,809.62
ATMOS	\$	\$ 84,312.01	\$ 88,587.49	\$ 92,210.70	\$ 114,727.00	\$ 140,483.32	\$ 200,018.70	\$ 277,328.81	\$ 196,239.72	\$ 132,425.46	\$ 107,634.32	\$ 90,305.02	\$ 71,042.52	1,595,315.07
TOTAL	\$	\$ 108,326.39	\$112,916.63	\$ 117,598.11	\$ 142,633.19	\$ 172,614.24	\$ 240,164.42	\$ 326,977.33	\$ 237,129.69	\$ 165,246.41	\$ 137,077.27	\$ 117,416.54	\$ 95,092.63	\$ 1,973,192.85
Average Charge	\$/Dth	\$ 4.1484	\$ 4.1946	\$ 3.9688	\$ 3.9528	\$ 3.6798	\$ 3.5609	\$ 3.4066	\$ 3.2700	\$ 3.2465	\$ 3.2755	\$ 3.2852	\$ 3.4559	\$ 3.5387

WATER SERVICE (DOMESTIC AND PLANT)		7	8	9	10	11	12	1	2	3	4	5	6	TOTAL
Service Dates	From To	6/1/2015 6/30/2015	6/1/2015 6/30/2015	9/1/2015 9/30/2015	9/1/2015 9/30/2015	11/1/2015 11/30/2015	11/1/2015 11/30/2015	1/1/2016 1/31/2016	2/1/2016 2/29/2016	3/1/2016 3/31/2016	4/1/2016 4/30/2016	5/1/2016 5/31/2016	6/1/2016 6/30/2016	6/1/2015 6/30/2016
UTILITY METER Readings	Start Ending													
DOMESTIC														
PLANT METER #1	Start Ending													
PLANT METER #2	Start Ending													
Service Period Use	CCF	24	34	31	22	29	28	31	37	34	30	30	27	357
PLANT METER #1	CCF	26,219	28,398	22,638	16,884	14,318	8,673	11,412	9,166	9,547	13,690	15,934	18,095	194,974
PLANT METER #2	CCF													0
TOTAL	CCF	26,243	28,432	22,669	16,906	14,347	8,701	11,443	9,203	9,581	13,720	15,964	18,122	195,331
PLANT ONLY	CCF	26,219	28,398	22,638	16,884	14,318	8,673	11,412	9,166	9,547	13,690	15,934	18,095	194,974
	GALLONS	19,611,812	21,241,704	16,933,224	12,629,232	10,709,864	6,487,404	8,536,176	6,856,168	7,141,156	10,240,120	11,918,632	13,535,060	145,840,552
Service Period Charges														
DOMESTIC	WATER \$	\$ 79.71	\$ 101.11	\$ 94.69	\$ 75.43	\$ 90.41	\$ 88.27	\$ 94.69	\$ 107.53	\$ 101.11	\$ 92.55	\$ 92.55	\$ 86.13	\$ 1,104.18
	SEWER \$	\$ 160.77	\$ 203.97	\$ 191.01	\$ 152.13	\$ 182.37	\$ 178.05	\$ 191.01	\$ 216.93	\$ 203.97	\$ 186.69	\$ 186.69	\$ 173.73	\$ 2,227.32
PLANT	WATER \$	\$ 49,609.07	\$ 53,735.05	\$ 42,838.72	\$ 31,950.97	\$ 27,100.57	\$ 16,422.70	\$ 21,604.57	\$ 17,359.02	\$ 18,078.30	\$ 25,912.82	\$ 30,157.67	\$ 34,243.82	\$ 369,013.28
	SEWER \$	\$ 21,366.04	\$ 23,142.74	\$ 18,448.34	\$ 13,757.20	\$ 11,667.54	\$ 7,067.68	\$ 9,297.52	\$ 7,468.66	\$ 7,778.36	\$ 11,152.46	\$ 12,984.58	\$ 14,744.98	\$ 158,876.10
STATE FEE @ 10%	\$	\$ 310.00	\$ 100.00	\$ 100.00	\$ 142.00	\$ 100.00	\$ 142.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 310.00	\$ 1,704.00
TOTAL	\$	\$ 71,525.59	\$ 77,282.87	\$ 61,672.76	\$ 46,077.73	\$ 39,140.89	\$ 23,898.70	\$ 31,287.79	\$ 25,252.14	\$ 26,261.74	\$ 37,444.52	\$ 43,521.49	\$ 49,558.66	\$ 532,924.88
PLANT, WATER ONLY	\$	\$ 49,609.07	\$ 53,735.05	\$ 42,838.72	\$ 31,950.97	\$ 27,100.57	\$ 16,422.70	\$ 21,604.57	\$ 17,359.02	\$ 18,078.30	\$ 25,912.82	\$ 30,157.67	\$ 34,243.82	\$ 369,013.28
Average Charge	\$/kGall	\$ 2.5296	\$ 2.5297	\$ 2.5299	\$ 2.5299	\$ 2.5304	\$ 2.5315	\$ 2.5309	\$ 2.5319	\$ 2.5316	\$ 2.5305	\$ 2.5303	\$ 2.5300	\$ 2.5303

MONTHLY FEAS		7	8	9	10	11	12	1	2	3	4	5	6	TOTAL
Service Dates	From To	7/1/2015 7/31/2015	8/1/2015 8/31/2015	9/1/2015 9/30/2015	10/1/2015 10/31/2015	11/1/2015 11/30/2015	12/1/2015 12/31/2015	1/1/2016 1/31/2016	2/1/2016 2/29/2016	3/1/2016 3/31/2016	4/1/2016 4/30/2016	5/1/2016 5/31/2016	6/1/2016 6/30/2016	7/1/2015 6/30/2016
STEAM ELECTRIC		\$710.78	\$558.41	\$902.77	\$1,449.89	\$2,072.98	\$2,811.81	\$4,896.11	\$4,035.89	\$2,210.96	\$1,921.80	\$1,517.73	\$699.10	\$23,788.23
FUEL GAS		\$4,574.65	\$4,497.77	\$2,410.47	\$4,005.07	\$3,309.06	-\$2,970.96	\$4,213.96	\$9,436.93	\$7,346.67	\$5,736.91	\$5,062.09	\$4,011.09	\$51,633.71
WATER		\$64.15	\$74.24	\$106.61	\$95.31	\$59.20	\$40.86	-\$40.56	-\$26.92	-\$23.88	-\$63.77	\$4.68	\$28.65	\$318.57
CHW ELECTRIC		\$38,253.44	\$26,952.26	\$29,124.22	\$20,297.56	\$15,259.51	\$16,219.89	\$7,354.66	\$13,601.05	\$18,901.18	\$25,530.16	\$22,838.99	\$27,574.52	\$261,907.44
FUEL GAS		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
WATER		\$19,625.66	\$16,053.99	\$14,254.04	\$9,641.83	\$7,468.45	\$7,622.69	\$5,431.57	\$6,437.98	\$8,609.35	\$9,970.42	\$11,280.28	\$16,425.01	\$132,821.27
TOTAL		\$ 63,228.68	\$ 48,136.67	\$ 46,798.11	\$ 35,489.66	\$ 28,169.20	\$ 23,724.29	\$ 21,855.74	\$ 33,484.93	\$ 37,044.28	\$ 43,095.52	\$ 40,703.77	\$ 48,738.37	\$ 470,469.22

STEAM CAPACITY TEST ADJUSTMENTS		7	8	9	10	11	12	1	2	3	4	5	6	TOTAL
NATURAL GAS														
USAGE CREDIT	MCF													0
	Dth													0
	\$													\$ -

NASHVILLE, TENNESSEE

CNE INVOICE RECONCILIATION - FY 2015 - 2016

146	End Reading	108,263	110,554	113,019	116,033	119,736	124,150	131,287	137,371	141,586	145,039	148,214	150,737			
147	Period Use in units = 1 x mmBtu	2,276	2,291	2,465	3,014	3,703	4,414	7,137	6,084	4,215	3,453	3,175	2,523		44,750	
148	Condensate Return Temp	184 °F	186 °F	189 °F	181 °F	175 °F	173 °F	173 °F	174 °F	175 °F	177 °F	182 °F	190 °F		178 °F	
149	FT_4500: MUW, Stm.	Start Reading	121,697,700	122,189,160	122,740,990	123,213,670	123,779,310	124,506,750	125,607,690	127,415,820	128,846,220	129,987,380	130,971,600	131,710,070		
150	End Reading	122,189,160	122,740,990	123,213,670	123,779,310	124,506,750	125,607,690	127,415,820	128,846,220	129,987,380	130,971,600	131,710,070	132,283,400			
151	Period Use in units = 1 x GALL	491,460	551,830	472,680	565,640	727,440	1,100,940	1,808,130	1,430,400	1,141,160	984,220	738,470	572,970		10,585,340	
152	FT_4200: MUW, CW.	Start Reading	1,179,925,000	1,197,638,000	1,212,552,000	1,225,376,000	1,233,365,000	1,238,906,000	1,244,257,000	1,247,634,000	1,251,594,000	1,257,835,000	1,266,140,000	1,276,193,000		
153	End Reading	1,197,638,000	1,212,552,000	1,225,376,000	1,233,365,000	1,238,906,000	1,244,257,000	1,247,634,000	1,251,594,000	1,257,835,000	1,266,140,000	1,276,193,000	1,291,970,000			
154	Period Use in units = 1 x GALL	17,713,000	14,914,000	12,824,000	7,989,000	5,541,000	5,351,000	3,377,000	3,960,000	6,241,000	8,305,000	10,053,000	15,777,000		112,045,000	
155	FT_4100: MUW, CHW.	Start Reading	94,116,000	95,834,000	97,609,400	99,305,600	100,945,000	102,540,900	104,144,600	105,945,800	107,461,900	109,123,400	110,787,100	112,596,600		
156	End Reading	95,834,000	97,609,400	99,305,600	100,945,000	102,540,900	104,144,600	105,945,800	107,461,900	109,123,400	110,787,100	112,596,600	114,270,200			
157	Period Use in units = 1 x GALL	1,718,000	1,775,400	1,696,200	1,639,400	1,595,900	1,603,700	1,801,200	1,516,100	1,661,500	1,663,700	1,809,500	1,673,600		20,154,200	
158	2" PLANT WATER	Start Reading in 10 x scft	7,594,100	7,975,100	8,346,800	8,706,200	9,049,900	9,310,600	9,511,400	9,704,600	9,888,500	10,093,600	10,299,300	10,506,400		
159	UTILITY METER	Start Reading in 10 x scft	7,975,100	8,346,800	8,706,200	9,049,900	9,310,600	9,511,400	9,704,600	9,888,500	10,093,600	10,299,300	10,506,400	10,720,100		
160	Period Use in units = 1 x SCFT	381,000	371,700	359,400	343,700	260,700	200,800	193,200	183,900	205,100	205,700	207,100	213,700		3,126,000	
161	6" PLANT WATER	Start Reading	166,137,000	168,457,000	170,413,500	172,103,000	173,159,000	173,976,500	174,877,000	175,626,000	176,391,500	177,426,000	178,714,000	180,222,000		
162	UTILITY METER	End Reading	168,457,000	170,413,500	172,103,000	173,159,000	173,976,500	174,877,000	175,626,000	176,391,500	177,426,000	178,714,000	180,222,000	182,518,000		
163	Period Use in units = 1 x SCFT	2,320,000	1,956,500	1,689,500	1,056,000	817,500	900,500	749,000	675,500	1,034,500	1,288,000	1,508,000	2,296,000		16,381,000	
164	2" DOMESTIC WATER	Start Reading	2,533,000.0	2,564,000.0	2,600,000.0	2,622,000.0	2,650,000.0	2,678,000.0	2,708,000.0	2,745,000.0	2,780,000.0	2,810,000.0	2,839,000.0	2,869,000.0		
165	UTILITY METER	End Reading	2,564,000.0	2,600,000.0	2,622,000.0	2,650,000.0	2,678,000.0	2,708,000.0	2,745,000.0	2,780,000.0	2,810,000.0	2,839,000.0	2,869,000.0	2,905,000.0		
166	Period Use in units = 1 x SCFT	31,000	36,000	22,000	28,000	28,000	30,000	37,000	35,000	30,000	29,000	30,000	36,000		372,000	

PERFORMANCE CALCULATIONS

Month	7	8	9	10	11	12	13	14	15	16	17	18	TOTAL	
ELECTRIC-to-STEAM CONVERSION														
Emainutility	kWh	8,613,305	7,111,634	6,149,118	3,913,112	3,049,144	3,032,596	2,319,548	2,453,808	3,249,596	3,926,608	4,698,484	7,254,464	55,771,417
Echw,metered	kWh	8,320,452	7,027,987	5,985,870	3,828,283	2,846,836	2,800,088	2,029,509	2,205,602	3,028,104	3,621,705	4,514,594	7,074,274	53,283,303
Esteam,metered	kWh	51,825	52,619	54,552	62,497	75,578	95,556	142,753	120,271	89,880	70,485	56,614	52,003	924,633
Esteam,unmetered	kWh	1,450	230	964	357	3,141	4,315	9,064	6,271	3,640	4,208	1,534	919	36,093
CAPACITY TEST ADJUSTMENT	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Esteam,total	kWh	53,275	52,849	55,516	62,854	78,719	99,871	151,817	126,542	93,520	74,693	58,148	52,922	960,726
Customer Steam, Sn+e	lbs	13,114,972	12,355,289	14,728,978	19,972,142	26,189,202	34,953,509	60,496,993	49,603,741	32,967,764	25,650,567	21,117,900	14,096,923	325,247,980
nelec, actual	kWh/klb	4.062	4.277	3.769	3.147	3.006	2.857	2.509	2.551	2.837	2.912	2.753	3.754	2.954
FUEL GAS-to-STEAM CONVERSION														
Metered Plant Steam Send-out	lbs	19,262,000	19,673,000	20,291,000	25,333,000	31,836,000	39,704,000	63,436,000	52,952,000	37,664,000	30,745,000	26,469,000	20,353,000	387,718,000
CAPACITY TEST ADJUSTMENT	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED Plant Steam SO	lbs	19,262,000	19,673,000	20,291,000	25,333,000	31,836,000	39,704,000	63,436,000	52,952,000	37,664,000	30,745,000	26,469,000	20,353,000	387,718,000
Natural Gas use, NG	Dth	26,112.8	26,919.3	29,630.8	36,084.5	46,909.2	67,444.9	95,983.5	72,517.7	50,899.3	41,849.0	35,740.6	27,516.1	557,607.7
Propane Gas use, P	scft	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dth	0	0	65	0	0	0	0	25	55	41	57		243
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	0.0
TOTAL FUEL GAS USE	Dth	26,112.8	26,919.3	29,695.8	36,084.5	46,909.2	67,444.9	95,983.5	72,517.7	50,924.3	41,904.0	35,781.6	27,573.1	557,850.7
nhhv,actual	Dth/klb	1.356	1.368	1.463	1.424	1.473	1.699	1.513	1.369	1.352	1.363	1.352	1.355	1.4390
Condensate Return, CR	gallon	1,841,900	1,825,400	1,926,200	2,478,300	3,183,200	3,845,100	6,203,900	5,245,500	3,624,000	2,927,200	2,590,400	1,952,900	37,644,000
% of SO		77.99%	75.68%	77.42%	79.79%	81.55%	78.98%	79.76%	80.79%	78.47%	77.65%	79.82%	78.26%	79.19%
Condensate Return Energy	mmBtu	2,276	2,291	2,465	3,014	3,703	4,414	7,137	6,084	4,215	3,453	3,175	2,523	44,750
Condensate Return Temperature	avg	184 °F	186 °F	189 °F	181 °F	175 °F	173 °F	173 °F	174 °F	175 °F	177 °F	182 °F	190 °F	178 °F
nhhv,guarantee	Dth/klb													GUARANTEED MAX RATE
														CES FEA RATE
														1.588
WATER-to-STEAM CONVERSION														
Metered Steam Makeup, MW	Gallons	491,460	551,830	472,680	565,640	727,440	1,100,940	1,808,130	1,430,400	1,141,160	984,220	738,470	572,970	10,585,340
CAPACITY TEST ADJUSTMENT	Gallons	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED Steam Makeup, MW	Gallons	491,460	551,830	472,680	565,640	727,440	1,100,940	1,808,130	1,430,400	1,141,160	984,220	738,470	572,970	10,585,340
Actual Steam Makeup, nwater	Gallons	496,375	557,348	477,407	571,296	734,714	1,111,949	1,826,211	1,444,704	1,152,572	994,062	745,855	578,700	10,691,193
Guarantee Steam Makeup, nguar.	Gallons	597,816	674,744	645,964	721,986	828,294	1,176,521	1,810,187	1,434,070	1,143,140	968,860	753,251	624,001	11,378,834
ELECTRICITY-to-CHW CONVERSION														
Emainutility	kWh	8,613,305	7,111,634	6,149,118	3,913,112	3,049,144	3,032,596	2,319,548	2,453,808	3,249,596	3,926,608	4,698,484	7,254,464	55,771,417
CAPACITY TEST ADJUSTMENT	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Echw,metered	kWh	8,320,452	7,027,987	5,985,870	3,828,283	2,846,836	2,800,088	2,029,509	2,205,602	3,028,104	3,621,705	4,514,594	7,074,274	53,283,303
Esteam,total	kWh	53,275	52,849	55,516	62,854	78,719	99,871	151,817	126,542	93,520	74,693	58,148	52,922	960,726
Echw,unmetered	kWh	239,578	30,798	107,732	21,975	123,589	138,222	138,222	127,972	126,644	127,972	230,210	127,268	1,627,388
Echw,total	kWh	8,560,030	7,058,785	6,093,602	3,850,258	2,970,425	2,932,725	2,167,731	2,327,266	3,156,076	3,851,915	4,640,336	7,201,542	54,810,691
Customer CHW, CHW+e	Ton-hrs	9,285,943	7,676,086	6,735,482	4,425,137	3,304,214	3,313,493	2,278,241	2,691,450	3,779,666	4,584,173	5,311,980	7,951,131	61,336,996
nelec, actual	kWh/ton-hr	0.922	0.920	0.905	0.870	0.899	0.885	0.951	0.863	0.835	0.840	0.874	0.906	0.894
CW-to-CHW CONVERSION														
Condenser Water Makeup, CM	Gallons	17,713,000	14,914,000	12,824,000	7,989,000	5,541,000	5,351,000	3,377,000	3,960,000	6,241,000	8,305,000	10,053,000	15,777,000	112,045,000
Customer CHW, CHW+e	Ton-hrs	9,285,943	7,676,086	6,735,482	4,425,137	3,304,214	3,313,493	2,278,241	2,691,450	3,779,666	4,584,173	5,311,980	7,951,131	61,336,996
nwater,actual														

CNE INVOICE RECONCILIATION - FY 2015 - 2016

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METER CHECKS AND ESTIMATES														
WATER METER CHECKS														
	7	8	9	10	11	12	1	2	3	4	5	6	TOTAL	
Utility Meters - Utility Dates	gallons	19,611,812	21,241,704	16,933,224	12,629,232	10,709,864	6,487,404	8,536,176	6,856,168	7,141,156	10,240,120	11,918,632	13,535,060	145,840,552
Utility Meters - Customer Dates	gallons	20,203,480	17,414,936	15,325,772	10,469,756	8,064,936	8,237,724	7,047,656	7,101,512	9,272,208	11,172,876	12,828,948	18,772,556	145,912,360
variance (line 184-line 183)	gallons	591,668	-3,826,768	-1,607,452	-2,159,476	-2,644,520	1,750,320	-1,488,520	245,344	2,131,052	932,756	910,316	5,237,496	71,808
% of TOTAL (line 183)		3%	-18%	-9%	-17%	-25%	27%	-17%	4%	30%	9%	8%	39%	0.05%
Plant Meters														
CHW	gallons	1,718,000	1,775,400	1,696,200	1,639,400	1,595,900	1,603,700	1,801,200	1,516,100	1,661,500	1,663,700	1,809,500	1,673,600	20,154,200
CW	gallons	17,713,000	14,914,000	12,824,000	7,989,000	5,541,000	5,351,000	3,377,000	3,960,000	6,241,000	8,305,000	10,053,000	15,777,000	112,045,000
STEAM	gallons	491,460	551,830	472,680	565,640	727,440	1,100,940	1,808,130	1,430,400	1,141,160	984,220	738,470	572,970	10,585,340
TOTAL	gallons	19,922,460	17,241,230	14,992,880	10,194,040	7,864,340	8,055,640	6,986,330	6,906,500	9,043,660	10,952,920	12,600,970	18,023,570	142,784,540
variance (line 191-line 184)	gallons	-281,020	-173,706	-332,892	-275,716	-200,596	-182,084	-61,326	-195,012	-228,548	-219,956	-227,978	-748,986	-3,127,820
% of TOTAL (line 184)		-1%	-1%	-2%	-3%	-2%	-2%	-1%	-3%	-2%	-2%	-2%	-4%	-2.14%
CW MUW CHECK														
CHW Send-out	ton-hrs	9,627,400	8,041,100	7,051,000	4,643,500	3,435,700	3,449,500	2,414,300	2,774,600	3,811,500	4,661,400	5,517,600	8,432,800	63,860,400
CW MUW Rate	gall/ton-hr	1.840	1.855	1.819	1.720	1.613	1.551	1.399	1.427	1.637	1.782	1.822	1.871	1.755
FINAL MAKEUP WATER RESULTS														
CHW	gallons	1,718,000	1,775,400	1,696,200	1,639,400	1,595,900	1,603,700	1,801,200	1,516,100	1,661,500	1,663,700	1,809,500	1,673,600	20,154,200
CW	gallons	17,713,000	14,914,000	12,824,000	7,989,000	5,541,000	5,351,000	3,377,000	3,960,000	6,241,000	8,305,000	10,053,000	15,777,000	112,045,000
STEAM	gallons	491,460	551,830	472,680	565,640	727,440	1,100,940	1,808,130	1,430,400	1,141,160	984,220	738,470	572,970	10,585,340
TOTAL	gallons	19,922,460	17,241,230	14,992,880	10,194,040	7,864,340	8,055,640	6,986,330	6,906,500	9,043,660	10,952,920	12,600,970	18,023,570	142,784,540
variance	gallons	-281,020	-173,706	-332,892	-275,716	-200,596	-182,084	-61,326	-195,012	-228,548	-219,956	-227,978	-748,986	-3,127,820
% of TOTAL (line 184)		-1%	-1%	-2%	-2%	-2%	-2%	-1%	0%	0%	-2%	-2%	-6%	-2%
STEAM PLANT MASS BALANCE CK														
STEAM SENDOUT	klbs	19,262	19,673	20,291	25,333	31,836	39,704	63,436	52,952	37,664	30,745	26,469	20,353	387,718
STEAM PRODUCTION	klbs	22,495	23,399	24,282	29,844	36,502	45,135	72,177	62,694	43,456	35,028	30,035	23,750	448,797
CALC'D LOSSES		-3,233	-3,726	-3,991	-4,511	-4,666	-5,431	-8,741	-9,742	-5,792	-4,283	-3,566	-3,397	
BLOWDO 4%	klbs	900	936	971	1,194	1,460	1,805	2,887	2,508	1,738	1,401	1,201	950	17,952
DEA VENT 0.50%	klbs	112	117	121	149	183	226	361	313	217	175	150	119	2,244
TOTAL CALC'D LOSSES	klbs	1,012	1,053	1,093	1,343	1,643	2,031	3,248	2,821	1,956	1,576	1,352	1,069	20,196
CONDENSATE RETURN	gallons	1,841,900	1,825,400	1,926,200	2,478,300	3,183,200	3,845,100	6,203,900	5,245,500	3,624,000	2,927,200	2,590,400	1,952,900	37,644,000
8.15585	klbs	15,022	14,888	15,710	20,213	25,962	31,360	50,598	42,782	29,557	23,874	21,127	15,928	307,019
STEAM MUW	klbs	4,101	4,605	3,945	4,720	6,071	9,188	15,089	11,937	9,523	8,214	6,163	4,782	88,338
TOTAL LEAVING PLANT	klbs	20,274	20,726	21,384	26,676	33,479	41,735	66,684	55,773	39,620	32,321	27,821	21,422	407,914
TOTAL ENTERING PLANT	klbs	19,124	19,493	19,654	24,933	32,032	40,548	65,687	54,719	39,080	32,087	27,290	20,709	395,357
OVERAGE / SHORTFALL	klbs	-1,151	-1,233	-1,729	-1,743	-1,446	-1,187	-996	-1,055	-539	-234	-531	-713	-12,557
		-5.7%	-5.9%	-8.1%	-6.5%	-4.3%	-2.8%	-1.5%	-1.9%	-1.4%	-0.7%	-1.9%	-3.3%	-3.08%
FINAL CONDENSATE RETURN CALCULATIONS														
RECALC'D TOTAL ENTERING	klbs	20,883	21,348	22,025	27,476	34,483	42,987	68,684	57,446	40,808	33,291	28,655	22,064	
RECALC'D COND. RETURN	klbs	16,781	16,743	18,081	22,756	28,412	33,799	53,595	45,509	31,285	25,077	22,492	17,283	
	gallons	2,057,556	2,052,827	2,216,880	2,790,123	3,483,664	4,144,197	6,571,369	5,579,959	3,835,870	3,074,761	2,757,829	2,119,067	



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		55,771,417 kWh
(2)	E (Steam,metered) = metered electric use for steam plant		924,633 kWh
	MCC-3	367,585	
	MCC-4	557,048	
(3)	E (CHW,metered) = metered electric use for chilled water plant		53,283,303 kWh
	SWGR-2A	5,986,130	
	SWGR-2B	14,213,960	
	SWGR-3A	8,804,290	
	SWGR-3B	11,610,440	
	SWGR-4A	2,209,307	
	SWGR-4B	3,068,984	
	SWGR-5A	2,323,574	
	SWGR-5B	1,638,978	
	MCC-1	1,655,494	
	MCC-2	1,772,146	
(4)	Esteam,unmetered = un-metered electric use for steam plant = [(2) / (1)] x [(1) - (2) - (3)]		25,921 kWh *
(5)	Echw,unmetered = un-metered electric use for chilled water plant = (1) - (2) - (3) - (4)		1,537,560 kWh *
(6)	Esteam,total = total electric use for steam plant = (2) + (4)		950,554 kWh *
(7)	Customer Steam Sales, metered + unmetered		325,247,980 lbs

$$n \text{ (elec): Actual Steam Plant Electric Conversion} = (6) / [(7) \times 0.001] = 2.923 \text{ kWh/klb}$$

NATURAL GAS-TO-STEAM CONVERSION

(8)	NG = Total Natural Gas Use per main utility meters		557,607.7 Dth
(9)	P = Total Propane Gas		243 scft
(10)	HHV = Higher Heating Value of Propane		1.002520 Btu/scft
(11)	SO = Plant Steam Send Out		387,718,000 lbs
	Meter Reading at the beginning, n-1	4,332,650	
	Meter Reading at the end, n	4,720,368	
	Units of Measure	1 x SCFT	

$$n \text{ (HHV): Actual Plant Efficiency} = [(8) + (9) \times (10)] / [(11) \times 0.001] = 1.439 \text{ Dth/klb}$$

(12)	CR = Condensate Return per plant meter		37,644,000 gallons **
	Meter Reading at the beginning, n-1	258,302,400	
	Meter Reading at the end, n	295,946,400	
	Units of Measure	1 x SCFT	
(13)	H = Condensate Return energy		44,750 mmBtu
	Meter Reading at the beginning, n-1	105,987	
	Meter Reading at the end, n	150,737	
	Units of Measure	1 x MMBTU	

$$T \text{ (cr,avg): Average Condensate Return Temperature} = 178 \text{ }^\circ\text{F}$$



NASHVILLE, TENNESSEE

EXHIBIT 1 - CALCULATION DETAIL FOR PLANT PERFORMANCE PER APPENDIX 19

WATER-TO-STEAM CONVERSION

(14)	MW = Steam system makeup water plant meter		10,585,340 gallons
	<i>Meter Reading at the beginning, n-1</i>	121,697,700	
	<i>Meter Reading at the end, n</i>	132,283,040	
	<i>Units of Measure</i>	1 x SCFT	

n (water): Actual steam plant water use = (14) * 1.01 = 10,691,193 gallons

G (water): Guaranteed steam plant water use = [(11) / 8.15585 - (12) = 11,378,834 gallons

ELECTRICITY-TO-CHILLED WATER CONVERSION

(15)	E (chw,total) = Total CHW Electric use = (3) + (5) =	54,820,863 kWh *
(16)	Customer CHW Sales, metered + unmetered	61,336,996 kWh

n (elec): Actual chilled water plant electric conversion = (15) / (16) = 0.894 kw/ton

CONDENSER WATER-TO-CHILLED WATER CONVERSION

(17)	CM = Condenser water makeup plant meter		112,045,000 gallons **
	<i>Meter Reading at the beginning, n-1</i>	1,179,925,000	
	<i>Meter Reading at the end, n</i>	1,291,970,000	
	<i>Units of Measure</i>	1 x GALL	

n (water): Actual chilled water plant conversion = (17) / (16) = 1.827 gal/ton-hr

NOTES: * - There is a 13,053 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



Information Technology Services Program for



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Networks

The Operating System Network for the Metro Nashville District Energy System (DES) Energy Generation Facility (EGF) was provided and installed by Siemens Building Technologies. This System controls all the equipment and machinery in the plant using the Siemens proprietary Apogee and Insite software. This system was approved and accepted by Metro prior to plant start up.

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 NewEnergy, Inc. (CNE) 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 CNE for the Nashville DES:

<u>Equipment</u>
<u>Server</u> Dell PowerEdge T620/dual Xeon e5-2640 2.5GHz Processor/ 4x4 GB RAM/4x1TB SATA HDs/PERC H310/ RAID 5 Configuration/DVD drive
<u>Firewall</u> Sonicwall TZ 150 Sonicwall TZ 215
<u>Desktop Computer</u> Lenovo ThinkCentre M92P Series with Intel i5 Processor, 4 GB Ram, AMD Radon HD 7350 graphics adapter, 500 GB HD & DVDRW
<u>Monitor</u> Dell Professional P2312H 23" Ultra Sharp LCD Flat Panel
<u>Laptop Computer</u> Lenovo ThinkPad L530 notebook, with Intel i7 3520 QM Processor, 15.6 HD Display, 8 GB Ram, 500 GB HD, DVDRW, Centrino N2230 & Bluetooth
<u>Docking Station</u> ThinkPad MiniDock replicator Ultra slim keyboard & mouse

Per industry standards, computer hardware will be replaced every three to five years. This equipment was most recently replaced in 2013. The mother board on both servers was replaced under warranty in 2016. An equipment inventory is located on page 5 of this document.

CNE has a performance contract with Metro to operate and maintain 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:

Operating System	Microsoft 8 R2 Server
Data base	Microsoft SQL 2008
AntiVirus	Symantec Endpoint Protection 12.1 + Malwarebytes

Each computer has the following software installed:

Operating System	Microsoft 7 Professional
Microsoft Office 2010	Word, Excel, Power Point, Outlook, One Note, Office Publisher
AntiVirus	Symantec Endpoint Protection 12.1 + Malwarebytes

Additional software installed on specific machines includes:

- Microsoft Office, Access - Administrative Operations Representative and the Office Coordinator.
- Adobe Acrobat X - General Manager and the Administrative Operations Representative.
- I-Maint - Control Room, Plant Operations Manager, Operations Supervisor, Maintenance Supervisor, Instrumentation & Electrical Supervisor and Metro office.

Connectivity

	Metro	Constellation
Internet Connection	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 server, furnished by CNE, is located in the Metro office at the EGF. The purpose of this server is to give Metro administrative access to plant data. This server acts as a work station and contains a copy of network data for Metro's use. CNE personnel check to insure the required data files are transferred from the CNE Administrative server to the Metro Server two times per week. Information stored on the Metro office server includes a copy of the Siemens SQL data base, the I-Maint/CMMS data base, the EGF control room shift readings, the customer billing system data base (updated twice per month by the Administrative Operations Representative) and customer meter data (updated once per month by the Customer Service Representative).

Data Backup and Storage

CNE's Administrative Server is backed up continuously. The offsite, online repository used by CNE 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, backs up their Server data to Mozy Pro, a global, online data storage vendor. This contract is maintained by Metro's Contract Administrator and is renewed annually each November. Mozy is a subsidiary of EMC Company. The incremental data changes are sent to the data store at 2:50 a.m. daily without affecting the server processing power and capabilities.

If data stops being transferred from the Metro Server to Mozy, a notification is sent to the DES Contract Administrators office and to CNE's Operations Manager. CNE personnel check to see if there have been any software security updates. If so, CNE will correct this issue and reestablish connectivity. If other issues cause the data not to transfer, CNE will assist a Metro Representative with trouble shooting. Metro checks their system at least once per month. From time to time, Metro has to purge old data from Mozy or purchase additional storage space.

Support and Service

Administrative System

A three year extended service plan was purchased from Lenovo for all of the new hardware. CNE has contracted with a third party vendor, FrontGate Technology 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

Constellation Energy purchased a Bronze Level service agreement with Siemens to maintain, repair, replace and install all software upgrades on their proprietary system. These services include: annual software updates, annual network maintenance, annual preventative maintenance to MBC 40 devices, data protection and data recovery, routine backups, online diagnostics and operator coaching.

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 three servers, four laptops and eleven 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).

Office Location	Computer	ID Number	Monitor	Keyboard & Mouse
Data Room	2 Servers	G4SLBY1 (Siemens) GRNBY1 (CNE)	2-23 " Flat Panels	1-each
Metro Office	1 Server	4501BP1	1-17 " Flat Panel	1 - each
General Manager	1 Laptop	R9-W1C7R-12/12	1-23 " Flat Panel	1-each
Operations Manager	1 Laptop	R9-W1C7T-12/12	1-23 " Flat Panel	1-each
Finance & Administration Representative	1 Laptop	R9-W1C7V-12/12	1-23 " Flat Panel	1-each
Customer Service Representative	1 Desktop	1S3212CTOMJXTNXA	1-23 " Flat Panel	1-each
Instrumentation & Electrical Supervisor	1 Desktop	1S3212CTOMJXTNXD	1-23 " Flat Panel	1-each
Instrumentation & Controls Technician	1 Laptop	R9-W1C7W-12/12	N/A	N/A
Maintenance Supervisor	1 Desktop	1S3212CTOMJXTNXB	1-23 " Flat Panel	1-each
Operations Supervisor	2 Desktops	1S3212CTOMJXTNXC 1S3212CTOMJXTNXE	2-23 " Flat Panels	1-each
Office Coordinator	1 Desktop	1S3212CTOMJXTNMV	1-23 " Flat Panel	1-each
Control Room	3 Desktops	1S3212CTOMJXTNMR 1S3212CTOMJXTNMT 1S3212CTOMJXTNMW	14-17 " Flat Panels	1-each
Control Room (SE-2)	1 Desktop	ESO6826516	1-17 " Flat Panel	1-each
Control Room (Key Scan)	1 Desktop	B1Y5W91	1-17 " Flat Panel	1-each