



Fiscal Year 2014-2015

Annual Report

for the



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Executive Summary

Constellation NewEnergy, Inc. (CNE), operator of the Metro Nashville District Energy System (DES), is pleased to present their twelfth “*Annual Report*” to the Metropolitan Government of Nashville and Davidson County, Tennessee (Metro). This report summarizes activities related to the performance of the system during the period July 1, 2014 through June 30, 2015.

The system is made up of two basic parts, the Energy Generation Facility (EGF) and the Energy Distribution System (EDS). CNE has an exceptional, experienced work force that operated and maintained the system in a manner that produced outstanding results. The availability and reliability of both steam and chilled water continue to be above 99% and all contractual guarantees were met again this year.

CNE’s environmental record at this facility continues to be 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.

Unfortunately, one of our records did not remain intact this year. A mechanic cut his wrist while preparing some scrap metal to be hauled to the recycling company. Even though this was a reportable injury, it was not serious and did not result in lost time accident.

This is an exciting time in Nashville. Growth is taking place all around us. An amphitheater is schedule to open in July on the old Thermal site across the street from the EGF. Bridgestone is in the process of building their new corporate headquarters between the Schermerhorn Symphony and the Country Music Hall of Fame. LifeWay Christian Resources plans to break ground on their new headquarters in the fall of 2015 that will be located on the lot in front of the EGF.

This growth is not taking place without its challenges however. The contractor building the new Bridgestone building bored a hole in the chilled water service line going to the Symphony and another in the chilled water service line going to the Music City Center while installing foundation anchors. Thankfully, service interruptions to the DES customers as a result of these incidents were minimal.

The demand for natural gas continues to increase as a result of power generation going away from coal and the addition of more and more of residential customers. Infrastructure is not keeping up with the increased demand. As a result, when temperatures dropped during the months of January and February, the EGF experienced two more natural gas curtailments. Discussions are currently taking place on adding additional back up fuel storage.

CNE’s focus is primarily on the existing customers. The DES sales capacity is nearing its limit so Metro issued the temporary moratorium on the pursuit of new customers. CNE and the DES team continue to meet with potential new customers and discussions are taking place on the costs effectiveness of adding additional capacity. Combined heat and power (CHP) consisting of a gas fired turbine, generator, heat recovery boiler and absorption chiller is being contemplated.



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

Sincerely,

A handwritten signature in blue ink that reads "Tim Hestle". The signature is written in a cursive, flowing style.

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 chilled water outage and no steam 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 twelfth 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 on July 19, 2014 at Indian Hills Golf Course in Murfreesboro, Tennessee. This year marked the 22nd



Anniversary of this event and was the 11th consecutive year it has been put on by Constellation Energy. This event was attended by customers, employees, contractors, vendors and friends and was a tremendous success.

- The MNDES Advisory Board met at the EGF on August 24, 2014
- CNE Managers attended the Downtown Partnership Awards Luncheon September 23, 2014
- Miller-Motte College students toured the EGF September 24, 2014
- Marriott/Gaylord representatives toured the EGF September 25, 2014
- TEG furnished a new EDS Map for the Conference Room September 25, 2014
- The MNDES Advisory Board met at the EGF on October 15, 2014
- The final version of the Annual True-up & Annual Report was issued September 26, 2014
- On December 3, 2014, a meeting was held with Piedmont Natural Gas in the EGF conference room to discuss possible curtailments this heating season and potential consequences
- A meeting was held with a representative from the State of Tennessee to discuss metering, their demand and loss allocations
- CNE purchased a new service truck for the EDS
- CNE furnished Metro a Propane Acquisition Plan on December 31, 2014
- As last year, low temperatures created the need for a natural gas curtailment. On January 6, 2015 Piedmont Natural Gas contacted NDE's General Manager regarding an upcoming gas curtailment that was to take place the following morning. A delivery schedule was immediately developed, propane vendors were contacted and purchases were made. A plan was in place and implemented within 5 hours. The gas curtailment began at 9:00 a.m. on Jan. 7, 2015 and ended at 9:00 a.m. Jan. 9, 2015. There were no issues associated with propane acquisition or deliveries. The transition between fuels was seamless. With the exception of the increased cost of propane, the curtailment had no effect on the DES customers. Communications with Metro were provided daily during the curtailment period.
- Representatives from CNE and Metro's Contract Administrator's office had a meeting with the EGF's water treatment vendor to discuss chilled water chemistry in DES customer buildings on January 8, 2015.



- Representatives from CNE and Metro's Contract Administrator's office attended a meeting January 29, 2015 at Tennessee Tower to discuss State building low delta T's and TIFS charges
- CNE and TEG met with 401 Union Hotel representatives February 25, 2015.
- On February 16, 2015, Nashville experienced a major ice storm. CNE's Plant General Manager was contacted the same day by Piedmont Natural Gas regarding a second natural gas curtailment. As was done in January, a delivery schedule was immediately developed, propane vendors were contacted and the necessary propane was secured. Unlike January, several inches of snow fell on top of the ice the night of February 17, 2015 making deliveries questionable. The gas curtailment began at 9:00 a.m. on February 18, 2015 and ended at 9:00 a.m. February 20, 2015. There were no issues associated with propane deliveries; however, we did experience a few issues with the propane equipment. On the morning of February 18th, the plant experienced an electrical problem with the propane pump skid that caused the boilers to trip off line. Due to the frigid temperatures, loads were very high which caused system pressure to diminish rapidly. The pump motor that caused the issue was isolated, the boilers were put back on line and system pressure was restored within two hours. On the morning of the 19th, an unrelated issue with a control circuit breaker caused the boilers to trip again. The boilers were immediately re-lit. System pressure dropped for a short period of time, but pressure and flows were restored to a level that satisfied building needs within minutes. I am pleased to report that no emergency natural gas was burned during these two minor upsets.
- CNE, TEG and other Metro representatives toured the new Combined Heat and Power (CHP) Plant at Vanderbilt University on March 11, 2015.
- On March 18, 2015, a meeting was held between CNE & TEG to discuss a Back-up Fuel Plan
- On March 19, 2015, The MNDES Advisory Board Meeting was held in the EGF Conference Room. This was rescheduled from the normal February date due to inclement weather.
- Representatives from CNE and Metro's Contract Administrator's office attended a Hydro Flow Technology presentation on non-chemical water treatment
- A Plant tour was conducted for prospective CHP project bidders on May 12, 2015.
- The NDES Spring Newsletter issued by MP&F in May
- Annual MNDES Customer meeting was held at Downtown Partnership May 14, 2015
- The MNDES Advisory Board met at the EGF on May 21, 2015
- CNE Managers attended corporate training related to contract and accounting software on May 19, 2015



Plant Performance

Facility Operations

Plant Reliability

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

On July 10, 2014, while combustion analysis was being performed on #3 Boiler, there were two instances when the steam pressure dropped below 150 psi. The pressure was below the reportable threshold for approximately 60 minutes. The lowest pressure recorded during this period was 137 psi.

There was one instance on July 12, 2014 when the MCC created a steam system load increase from 25,000 pph to 47,000 pph in a very short period of time. This caused the pressure to drop to a low of 122 psi for approximately 60 minutes.

On July 25, 2014, the feed water regulating valve failed on #1 Boiler. This caused the boiler to trip. Another boiler was started but the pressure dropped below 150 psi for a period of approximately 75 minutes. The pressure dropped to 95 psi before coming back. The regulating valve has been sent out for repairs.

There were two reportable reliability incidents that occurred during the month of November. The first occurred on November 17, 2014. Following a repair, the Music City Convention Center brought their steam system back up to quickly which caused the plant pressure to drop below 150 psi for approximately 45 minutes. The lowest pressure recorded was 140 psi.

On November 13, 2014, the chilled water temperature was above 43.3° F for approximately 36 minutes due to a failed differential pressure switch. This prevented a chiller from starting up as needed. Another chiller was immediately put on line and normal operating conditions were restored. The highest recorded temperature was 44.5° F.

During the Natural Gas Curtailment January 7, 2015 through the January 9, 2015, steam pressure dropped while swapping from Natural Gas to Propane and vice versa. On January 8th, as the load increased, a boiler tripped while bringing it on-line. The lowest pressure recorded was 132 psi and was below the reportable limit for about 60 minutes.

On January 20, 2015, #2 Boiler tripped due to a problem with the natural gas Maxon Valve. This was repaired and the Boiler placed back in service. The pressure dropped to 145 psi for approximately 45 minutes.



On January 28, 2015, #4 Boiler tripped due to low feedwater pressure. An additional pump was placed in service and the Boiler was put back online. The pressure dropped to 117 psi and was below the reportable limit for approximately 60 minutes.

On February 18, 2015, at approximately 9:45 a.m., the boilers tripped offline due to low propane pressure. CNE personnel immediately began troubleshooting and found the main breaker for the propane pumps had tripped. The cause was determined to be a short in the motor wiring on #2 Propane pump. This pump was isolated and the propane system and boilers were restarted. The system pressure dropped to 25 psi due to the extreme load on the steam system. The system was below 150 psi for approximately 2 hours.

On February 19, 2015, at approximately 8:25 a.m., the boilers tripped due to low propane pressure. CNE I & E personnel investigated and found that the control panel breaker had tripped. This was immediately reset and the propane system and boilers were placed back in service. The system pressure dropped to 54 psi and was below 150 psi for approximately 90 minutes.

On March 5, 2015, the boilers tripped offline due to low gas pressure. CNE personnel immediately began troubleshooting and found the safety valve was lifting. Piedmont gas was called and the boiler firing rate was lowered. Piedmont arrived on site and placed the bypass line in service. The boilers were returned to their normal firing rate while Piedmont began to make repairs. At approximately 6:00 a.m. they requested the repair be tested. In doing so, the safety valve lifted again causing the boilers to trip. The boilers were immediately re-started and system pressures returned to normal. Piedmont's repairs were completed at 9:30 a.m. and the plant was placed back on the main gas line. The system pressure was below 150 psi for approximately 2 ½ hours reaching a low of 86 psi.

On March 9, 2015, the chillers tripped due to low system pressure and flow. CNE's Operations Manager received a call from a Public Works official regarding a potential leak on the chilled water line near the intersection of Molloy and Almond Street. CNE Maintenance personnel were immediately called in as well as the Customer Service Representative and the Plant Manager. The leak was caused by a contractor drilling into the chilled water service line to the Symphony. CNE Maintenance personnel isolated the service lines to the Symphony and the chilled water system was re-started at approximately 8:30 p.m. The system was back to normal by 9:30 p.m. The chilled water supply temperature exceeded the reportable threshold for approximately 2 ½ hours reaching a high of 62.9°F.

At 1:00 p.m. on March 17, 2015, due to similar circumstances, the plant experienced low chilled water system pressure and flow. CNE's General Manager dispatched Maintenance personnel to the same construction site and found a leak caused by a contractor drilling horizontally into the chilled water service line on 4th Avenue South going to the Music City Convention Center. CNE personnel isolated the service lines and the chilled water system was re-started at approximately 2:45 p.m. The system was back to normal operating parameters by 4:30 p.m. The chilled water supply temperature was above 43.3 °F for approximately 3 ½ hours reaching a high of 58.9°F.



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 chilled water outage.

	Downtime		Availability	Reliability
	Scheduled	Unscheduled		
Boilers	0 minutes	765 minutes	99.85%	99.85%
Chillers	360 minutes	396 minutes*	99.86%	99.92%

*360 Minutes of the unscheduled downtime was related to the contractor damaging the chilled water lines supplying the MCC and Symphony.

Plant Efficiency

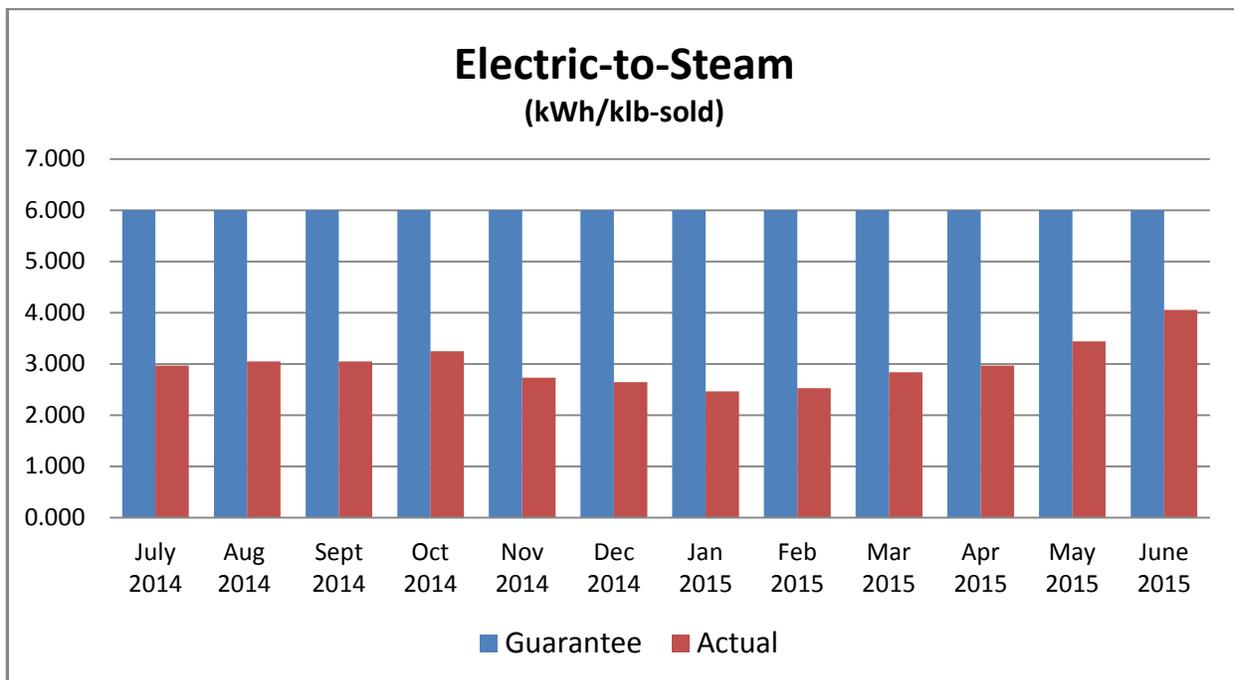
As usual, following the annual boiler inspections at the end of July 2014, two boilers were placed in wet lay-up, one in stand-by, and one de-aerator tank was isolated due to the reduced steam demand during the summer months. One boiler and one de-aerator were left on line. This equipment is rotated 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.

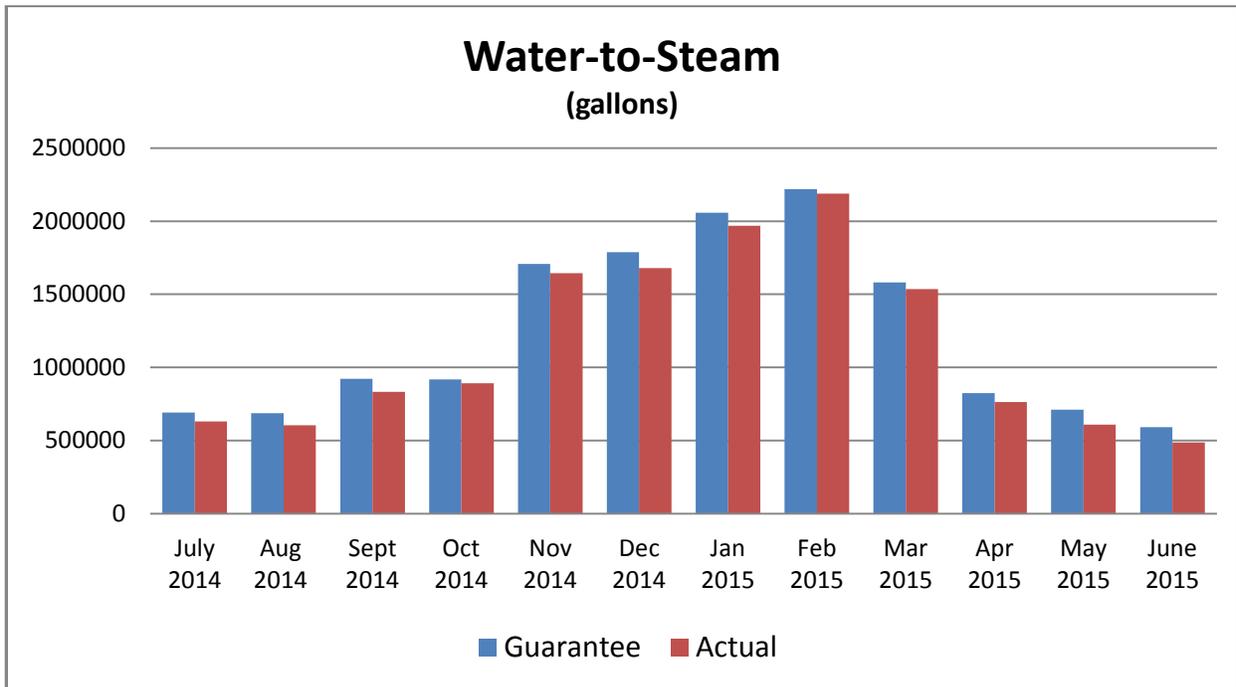
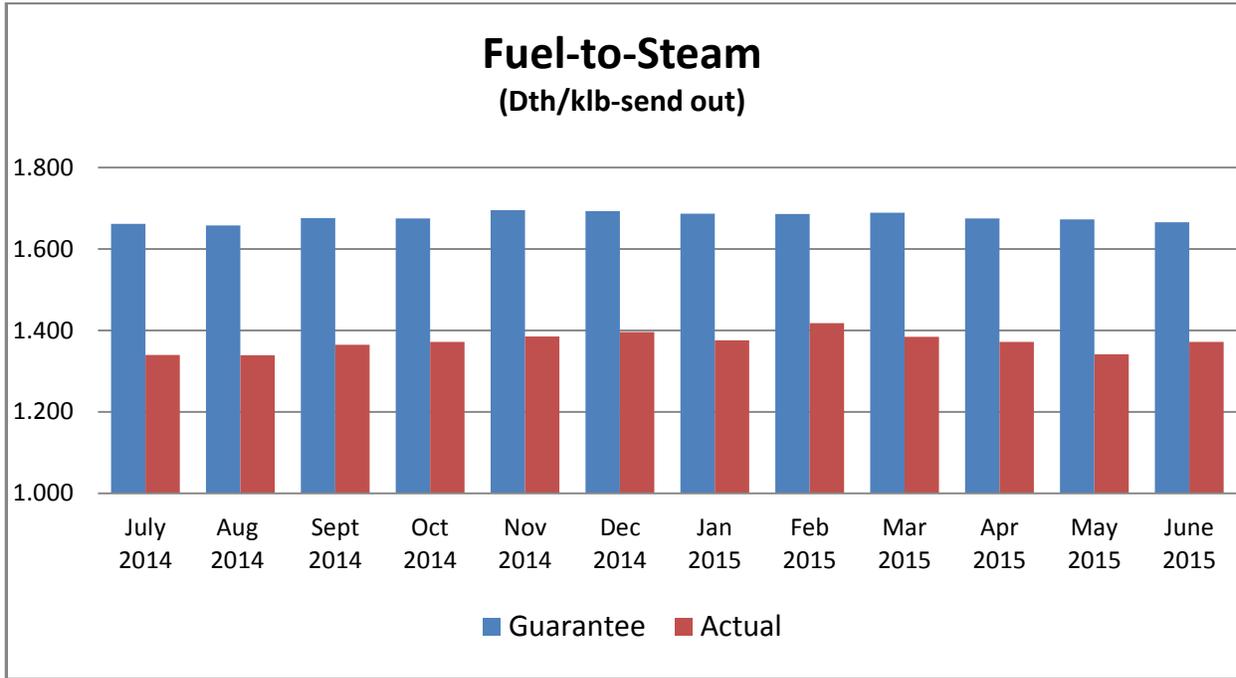
Constellation submitted the final version of the Metro DES annual reconciliation for FY14-15 on September 28, 2015. The annual reconciliation for this time period consisted primarily of a true-up for chemicals. For reference, the annual reconciliation is included in Appendix 4 of this report.

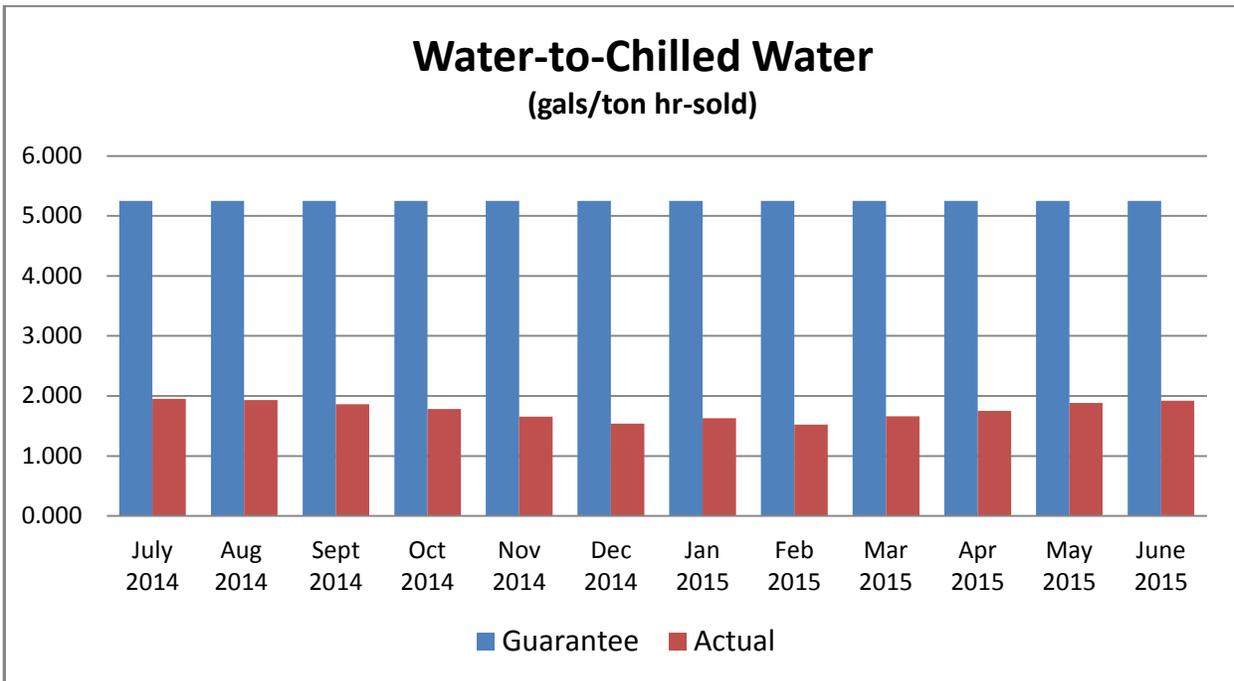
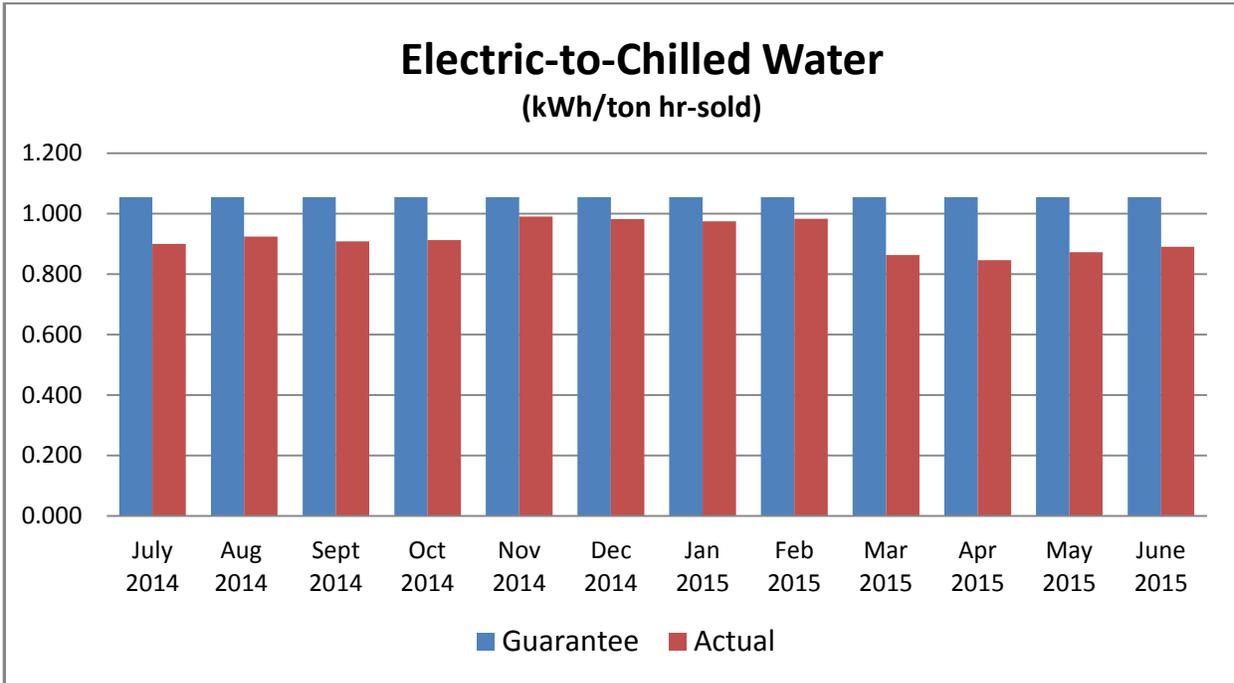
Constellation Energy’s efficiency guarantees consist of five key conversion rates:

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 guarantees from July 1, 2014 through June 30, 2015:









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 2014 was sent to the Metro Nashville Health Department on July 15, 2014.
- The Semi Annual Monitoring Report for July-December 2014 was sent to the Metro Health Department on January 9, 2015.
- The Annual Emission Inventory Report for 2014 was sent to the Metro Health Department on January 9, 2015. The Annual Emission Fees were also sent in on that date.
- The Title V Certificate of Compliance for 2014 was sent to the EPA on January 9, 2015. A copy was also sent to the Metro Health Department the same day.
- The Annual Tier II Report for 2014 was sent to the State Emergency Planning Commission, Nashville Fire Department and Davidson County LEPC on February 4, 2015.
- The Annual Greenhouse Gas Report was sent to the U.S. EPA on February 19, 2015.
- The application for renewal of the Storm Water Discharge permit was sent to TDEC on April 20, 2015.

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 was one reportable accident on October 29, 2014. A maintenance employee cut his left wrist area while removing fabric from a chair being placed in a scrap metal bin.

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	OSHA	Lost Time	Total
	Accidents	Reportable	Accidents	Lost Days
July 2014	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	1	1	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	1	1	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 FY14-15.

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 2014.
- CNE employees completed corporate Retail Power Compliance Training.
- CNE employees completed corporate Environmental Management Training.
- CNE employees completed required, on-line, corporate safety training classes during December 2014.
- CNE Managers attended corporate training related to contract and accounting software in May 2015.
- Several employees completed corporate on-line Health and Wellness classes in June 2015.

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

- Annual Fire Extinguisher Training (conducted by the Metro Fire Department)
- Hazardous Communications & Blood borne Pathogens
- AED, Adult First Aid and Adult CPR Training and Annual Certification (conducted by the American Red Cross)
- Confined Space Entry
- Storm Water Pollution Prevention Plan Annual Certification (SWPPP) & Spill Prevention Controls and Countermeasures (SPCC) (conducted by Greg Morris, CNE EHS Manager)
- Slips, Trips, & Falls



- Lock Out/Tag Out
- Emergency Preparedness, Recovery and Contingency
- Workplace Violence, Harassment and Safety
- Heat & Cold Stress
- MSDS & Chemical Safety
- Personal Protective Equipment – Eye Safety, Hearing Protection, etc.

All classes, unless otherwise specified, were conducted by Hazmat Training, our safety consultant.



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.

As a result of the February ice storm, DES customers experienced their own problems related to the cold weather. Chilled water coils froze and burst at two separate buildings on two separate occasions causing system make-up to increase and system pressure to drop. In both instances, CNE personnel responded in a timely, professional manner. The leaks were located, isolated and the system was restored to normal in a short period of time.

The annual DES customer meeting took place May 14, 2015 in the Downtown Partnership conference room. The state of the EDS, upcoming projects, fuel costs and many other issues were discussed.

DES customers are routinely invited to participate in the CNE/Nashville District Energy System Annual Golf Tournament, attend 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.



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 pine straw 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.

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 2014. #1 and #3 boilers and #2 de-aerator tank were recently inspected in June 2015. 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 2015.

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 #3, #4 and #6 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.

The Information Technology System Program is reviewed with Metro annually. The last review was conducted on February 27, 2014. No changes or revisions were made. 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 2014

- Repaired blowdown line in # 2 Boiler
- Replaced spray nozzles in # 2 Deaerator
- Replaced motor on # 10 Cooling Tower
- Repaired leak on # 2 Boiler feed water valve
- Replaced the solenoid on # 4 Chiller Evaporator actuator

August 2014

- Replaced steam trap on # 1 Boiler
- Replaced belt on # 18 Cooling Tower
- Added 100 pounds of refrigerant to # 4B Chiller
- Replaced mulch and landscaped plant site
- Replaced the breaker on # 3 Condensate Pump

September 2014

- Replaced union on #3 Boiler water column
- Replaced Cooling Tower Makeup Control Valve and actuator
- Rebuild #2 Softener Controller
- Repaired #3 Softener Controller
- Replaced Cooling Fan Motor on #5 CHWP VFD

October 2014

- Repaired leaks on Air Curtain # 4
- Replaced packing on # 2 and # 5 Boiler Feed Water Pumps (BFWP)
- Installed new feedwater control regulating valve on # 1 Boiler
- Placed new Storage Container in Expansion Yard and installed shelving, lighting and power to same
- Repaired roof leaks above MCC
- Performed combustion analysis on # 1 Boiler
- Repaired leak on Chemical Pump 4377
- PGTI replaced the meter on Switchgear 5A

November 2014

- Cleaned #4 Boiler Burner Ignitor
- Replaced foot valve on RLT 4377 Chemical Pump suction line
- Isolated and drained plant irrigation system for winter
- Replaced the inlet valve solenoid on #2 Chiller
- Cleaned drip leg and strainer on #2 AHU
- Performed combustion analysis on #4 Boiler

December 2014

- Replaced capacitor and relay on #4 Chiller Oil Pump
- Replaced display module on #1 Chiller
- Repaired sight glass on Flash Tank
- Replaced bypass piping on #1 Softener
- Replaced gasket/o-ring on #1 Chiller condenser head
- Repaired 6233 Chemical Pump
- Replaced battery in man lift

January 2015

- Replaced Natural Gas Maxon Valves on #3 and #4 Boilers
- Colt Atlantic performed an on-line leak repair on #1 DA Valve
- Repaired leak on #4 Boiler continuous blowdown valve

The following items were completed during the Chilled Water Outage:

- Replaced # 5 CWP Inlet Valve
- Replaced # 3 Chiller Condenser Outlet Valve
- Replaced # 9 Chiller Condenser Outlet Valve

February 2015

- Replaced Water Heater on Mezzanine level
- Replaced coupling insert on #3 BFWP
- Replaced Natural Gas Maxon Valve on #2 Boiler
- Trane replaced filters on #1 Chiller purge units
- Repaired leak on #1 Sulfite pump

March 2015

- Replaced coupling insert on # 4 Propane Pump
- Replaced coupling insert on #1 BFWP
- Repaired sight glass on #2 Boiler
- Adjusted belt tension on Cooling Towers 8, 10 and 13.
- Repaired condenser water inlet valve actuator on #4 Chiller
- Replaced two computer monitors in Control Room
- Installed new condenser water flow switch on #6 Chiller
- Installed Adobe XI on Metro Server

April 2015

- Replaced ductwork and cleaned coils on Control Room HVAC Unit
- Replaced valve on #2 Boiler sample line
- Added 100 pounds of R-123 to Chiller 7B
- Repaired #1 DA PRV Pressure Transmitter
- Cleaned Cooling Tower Blowdown Meter
- Removed virus from plant server and restored files
- Activated Irrigation System

May 2015

- Replaced one control room monitor
- CNE purchased a new projector for the EGF conference room
- Rebuilt check and relief valves on 8 inch backflow preventer
- KMH replaced lift chains on fork truck
- Replaced belt on #17 Cooling Tower
- Placed additional dye in chilled water system
- Replaced vacuum breaker on #1 DA
- MRG replaced the fill in Cooling Towers 4, 12, 13 and 16

June 2015

- Replaced valves and sight glass on #1 Deaerator
- Replaced purge unit on #1 B Chiller
- Replaced packing on #3 CHWP
- Trane replaced motor on #4 B Chiller purge unit
- Adjusted belt on #12 Cooling Tower
- Replaced belt on #4 AHU
- Installed “No Trespassing” signs to the front of EGF building
- Replaced the ΔP switch on #1 CHWP

Modifications and Improvements

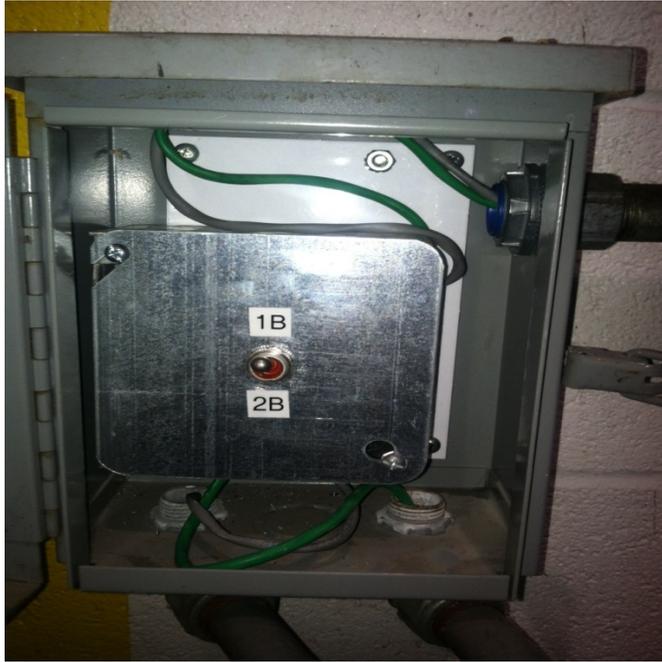
The following improvements were performed in and around the generation facility:



Installed new fill in Cooling Towers 4, 12, 13 and 16



Re-coated the basins and riser pipes in Cooling Towers 4, 12, 13 and 16



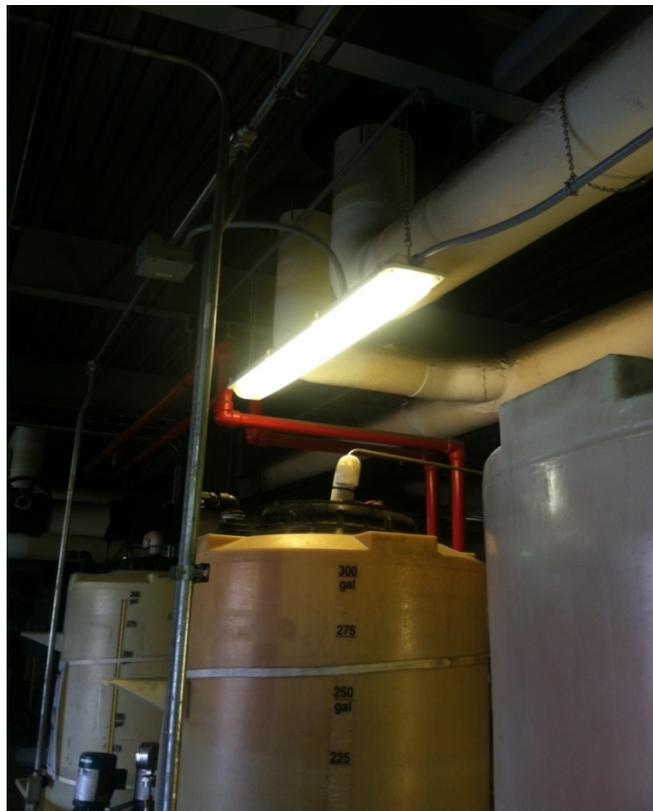
Added a power supply and changeover switch for the Boiler Master Pressure Transmitters



Added displays on both DA PRV transmitters and both Boiler Master transmitters



Changed the Condensing Water Makeup valve operator from pneumatic to electric



Installed new lights above the Chemical Tanks



Other modifications and Improvements include:

- Added bypass switches in the Plant for the manhole sump pumps
- Changed the AHU-2 MEC panel from “stand alone” to integrated with the Building Automation
- Added Graphics for the AHU-2 controls
- Added a new external Hard Drive Backup for the Constellation Server
- Purchased a new service truck and generator for the EDS



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 the 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.

Recently, a biofilm was discovered at several customer interfaces. After taking samples and having them evaluated, our chemical vendor is now treating the chilled water loop with a biocide to kill the localized bacteria and clean up the heat exchange surfaces.



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 traffic control. The following are examples of the routine maintenance and emergency repairs that have been performed on the EDS in FY14-15.

July 2014

- CNE's Maintenance and I&E personnel replaced the sump pump in Manhole 9 on July 1, 2014.
- CNE's Maintenance personnel monitored contractors excavating near the DES lines at the West Riverfront Park construction site on July 8-9, 2014.
- CNE's Maintenance personnel isolated the steam to the Sheraton Hotel on July 23, 2014 to allow contractors to make repairs inside the mechanical room. Once repairs were complete, Maintenance personnel restored steam service after normal working hours.

August 2014

- CNE's Maintenance personnel replaced approximately 20 feet of 4 inch condensate pipe in the EDS Tunnel returning from the Nashville Public Library on August 2-3, 2014.
- CNE's Maintenance personnel monitored contractors excavating near the DES lines at the West Riverfront Park construction site on August 4, 2014.
- CNE's Maintenance personnel replaced a condensate pump and motor on the condensate receiver tank in the State Tunnel on August 12, 2014.
- CNE's Maintenance personnel assisted a representative from TEG and a Structural Engineer with a review of potential repairs to the access shaft of the 4th and Church Building on August 14, 2014.

September 2014

- CNE's Maintenance personnel replaced steam traps at the following locations
 - Station 4-46, 4-62 and 4-79 in the 4th Avenue Tunnel
 - Station B-19 and B-50 in the 7th Avenue Tunnel
- CNE's Maintenance personnel replaced approximately 10 feet of 3 inch steam line pipe in the basement of the Indigo Hotel on September 20, 2014.
- CNE's Maintenance personnel isolated the steam to the Citizen's Plaza Building on September 23, 2014 so that their contractor could make repairs.
- On September 23, 2014, CNE's Maintenance personnel assisted a representative from TEG and two bidders with a site visit to review two new DES projects:
 - **DES-089** A.A. Birch Tunnel Water Infiltration Remediation
 - **DES-105** 4th & Church Building Vertical Pipe Chase Structural Repairs



October 2014

- CNE's Maintenance personnel restored steam service to the Wells Fargo Building on October 7, 2014.
- CNE's Maintenance personnel restored the steam to the Citizen's Plaza Building on October 3, 2014 following repairs by their contractor.
- Steam service was restored to the 4th and Church Building on October 31, 2014.

November 2014

- On November 11, 2014, CNE's Maintenance personnel assisted TEG with a review of the A.A. Birch tunnel structural repairs, the 4th & Church Building pipe chase structural repairs as well as the 7th Avenue pipe insulation repairs.
- CNE's Maintenance personnel restored steam and condensate service to the Nashville Public Library on November 18, 2014 following the replacement of a heat exchanger bundle.
- CNE's Maintenance personnel restored condensate service to the Hermitage Hotel on November 21, 2014 following the replacement of a heat exchanger bundle.
- CNE's Maintenance and I&E personnel replaced one sump pump and associated piping in the A.A. Birch Tunnel on November 26, 2014.

December 2014

- CNE's Maintenance personnel isolated the chilled water valves in Hume-Fogg High School on December 15, 2014 for a contractor to make HVAC modifications. The building is installing a chilled water heat exchanger to become a decoupled customer.

January 2015

- CNE's Maintenance and I&E personnel were called in on January 3, 2015 due to the Andrew Jackson PRV alarm. Andrew Jackson Building personnel mistakenly closed the main valve to the State Steam Loop while performing maintenance in their building. CNE personnel reset the alarm and restored steam to the State Loop.
- CNE Maintenance and I&E personnel relocated the Chilled Water Supply and Return RTD's at the Hyatt Place Hotel and relocated the chilled water return RTD at the 5/3 Financial Center during the Chilled Water Outage on January 4, 2015.
- CNE's personnel were called in due to low chilled water system pressure on January 8, 2015. The EDS was inspected for possible leaks but none were found. Wells Fargo Building personnel contacted CNE's CSR and reported a burst coil in their facility. CNE Maintenance personnel assisted with isolating the customer's building and system pressure returned to normal.
- CNE's personnel were called in due to low chilled water system pressure on January 10, 2015. The system was inspected for possible leaks and none found. The Hermitage Hotel contacted CNE's CSR and reported a leak on a roof top unit at their facility. The building was isolated and system pressure returned to normal.

February 2015

- At approximately 11:00 p.m. on February 27, 2015, CNE Maintenance personnel were called in to investigate a large steam plume near Manhole B6 reported by Metro Public Works (MPW). An unusual amount of water was discovered in the Manhole. Maintenance personnel pumped it out. Seven hours later, the Manhole was full of water again. Metro Water Services (MWS) was called and it was determined the water in the manhole was city water. CNE Maintenance personnel kept the manhole pumped out while MWS “sounded” their lines, located and isolated the leak and made their repairs. Due to the location of the manhole at the intersection of 4th Avenue and Molloy Street, MPW asked CNE and MWS personnel to leave the site to accommodate traffic after the Predators hockey game. Approximately one hour later, a MPW official called to report excessive steaming coming from Manhole B6 again. CNE Maintenance personnel responded and began pumping out the manhole again. Water was found to be entering the manhole at a greater rate than before. MWS returned and isolated valves in the area which did not slow the water infiltration into manhole. After opening some nearby manhole lids, they discovered a backed up sewer line in the area and concluded the water entering the manhole was now sewer water and not city water. Another MWS crew arrived on site at approximately 9:00 a.m. Sunday March 1st. They immediately began work to unplug the sewer and the water infiltration slowed down substantially. CNE personnel remained on site until 4:00 p.m. when the water infiltration stopped.

March 2015

- Isolated chilled water leaks on Almond Street and on 4th Avenue. Maintenance personnel assisted with the emergency repairs of these two leaks.
- Installed coupon stations at the Viridian Tower and Metro Courthouse
- Assisted with the Pre-bid walkthrough for **DES-107** Manhole A, B and M Modifications
- Assisted with the cleaning and disinfecting of Manhole B6 following the City Water and Sewer Water Infiltration (DES-115)
- Isolated the chilled water service to the War Memorial Building and restored service following repairs inside their building
- Isolated Steam and Condensate to the Nashville Public Library at the customer’s request
- Installed a new sump pump and floats in Manhole 18
- I&E personnel checked out the TCV at the 501 Building and the Criminal Justice Center. Both were found to be set up correctly to maintain a 12° ΔT. The bypass valve at the 501 Building was opened up and the TCV shutoff was reset from 30% to 25%.

April 2015

- Installed coupon station at the Renaissance Hotel
- Assisted with the **DES-107** Manholes A, B and M Modifications
- Restored chilled water service to Hume-Fogg High School
- Restored steam and condensate to the Nashville Public Library
- Removed winterization items from EDS Tunnel



- Shut down steam to the State Library and Archives, TSU and the State Supreme Court Buildings to allow 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 2015

- CNE Maintenance personnel isolated the chilled water at the Metro Courthouse on May 2nd to allow a contractor to perform work associated with DES-106. Service was restored the following day.
- CNE Maintenance personnel isolated the chilled water at the 501 Building on May 15, 2015 to allow the contractor to replace a broken nipple on supply pipe. Repairs were made and service was restored the same day.
- Metro Water Services excavated and repaired a broken sewer line near 4th Ave. South and Molloy on May 16, 2015. Due to the proximity of this excavation to the DES chilled water lines, CNE Maintenance personnel monitored this excavation.
- CNE Maintenance personnel isolated the chilled water to the A.A. Birch Building on May 30, 2015 to enable a contractor to install a Temperature Control Valve (TCV). The contractor completed the work and CNE Maintenance restored service the same day.

June 2015

- CNE Maintenance personnel insulated the coupon station piping at the Viridian, Renaissance Hotel and the Metro Courthouse on June 4th, 5th and 9th respectively.
- CNE Maintenance and I & E personnel pulled wire, installed conduit and the controls for the Manhole M sump pump several days throughout the month. They also pulled the wire from the plant to Manhole B and installed the controls for the future sump pump to be located in Manhole B2.
- CNE I & E personnel replaced an emergency light in the A.A. Birch Tunnel on June 10th
- CNE Maintenance personnel assisted with the walkthrough following the Pre-bid Meeting on the Steam Outage on June 24, 2015.
- CNE Maintenance personnel assisted with the pre-bid walk through of the Cordell Hull Condensate Replacement on June 29th.

DES Projects

Below is a brief description of the DES projects in various stages of completion performed during FY14-15.

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-089 A. A. Birch Tunnel – Water Infiltration Remediation

A Pre-bid meeting and walkthrough of project was held on September 23, 2014. Two bidders were present; Proshot Concrete and Coastal Gunite. C.K Masonry was invited but declined to bid. Bids were received October 3rd and the project was awarded to Proshot Concrete. Submittals were approved and the project began on November 3, 2014. The Structural Engineer and a representative from TEG reviewed the preliminary work prior to the shotcrete application project on November 11th. A walkthrough was conducted on December 2, 2014 with TEG, their Structural Engineer, CNE’s Operations Manager and a Proshot Representative. There was a request for a Change Order to level the floor area near the east end of the tunnel. This was approved and the work was completed on December 5, 2014.



A. A. Birch Tunnel Roof Repair



A. A. Birch Tunnel Floor Repair

DES-104

DES Customer Billing System Modifications - Time of Day Electric Use

CNE sent a proposal to the Contract Administrator on August 26, 2014. Metro issued comments in December which included changes the project objectives. CNE developed a revised scope and issued it to TEG in February. TEG reviewed and issued comments. CNE is to issue a revised proposal.

DES-105

4th & Church Building Pipe Chase Structural Repairs

A Pre-bid meeting and walkthrough of project was held on September 23, 2014. Two bidders were present; Proshot Concrete and Coastal Gunite. C.K Masonry was invited but declined to bid. Bids were received October 3rd and the project was awarded to Proshot Concrete. Submittals were approved and the project began on November 17, 2014. A walkthrough was conducted on December 2, 2014 with a representative from TEG, the Structural Engineer, CNE's Operations Manager and the Contractor's Representative prior to the application of shotcrete. The following week, on December 9, 2014, the same parties reviewed the final application and a punch list was made. There was a request made to modify one ladder and add an extension to another ladder near the street access. A Change Order was issued and approved. The Change Order and punch list items were completed on December 16th.



4th & Church Pipe Chase Structural Repairs



4th & Church Ladder Extension

DES- 106 Metro Courthouse Chilled Water Service Modifications

Phase 2

DES-106.2 Install Bypass around Heat Exchanger

A pre-bid meeting and walkthrough was held on March 26, 2015 with three bidders present. The bids are due on April 6, 2015. The bids were received on April 6, 2015 and Dillingham & Smith was verbally awarded the contract on April 8, 2015. The project scope was expanded to include a Temperature Control Valve (TCV) at the Courthouse as well as at the A.A. Birch Building. The Mechanical Contractor installed the bypass piping and Temperature Control Valve (TCV) at the Metro Courthouse on May 2-3, 2015. A representative from TEG and CNE's Operations Manager reviewed the work on May 4, 2015 prior to the insulation of the pipes and again on May 7, 2015 following the installation of the insulation. A punch list was developed and relayed to the Mechanical Contractor. The A.A. Birch TCV Installation was reviewed by the Engineer on June 1, 2015. The date of substantial completion was set as June 2, 2015. There were several punch list items outstanding and the last of these were completed on June 24, 2015.



Metro Courthouse Bypass Piping



Metro Courthouse Bypass Piping

DES-107 Manholes A, B and M Modifications at the New West Riverfront Park

A pre-bid meeting and walkthrough was held on March 12, 2015 with four bidders present. The bids were due on March 23, 2015 and the project was verbally awarded to F. M. Sylvan on March 26, 2015. Work began on March 30th. Cleaning, sand blasting and painting of support structures began the week of April 6th.

The majority of the project work was completed by May 22, 2015. A walkthrough was held that day and punch list items were generated and forwarded to the Contractor for completion. TEG has approved the backup documentation for the first 5 change directives and all of the work on these has been completed. There was walkthrough with the Painting Inspector, Paint Representative, TEG Representative and the CNE Operations Manager on July 1, 2015 to review the painting as well as the punch list items. An additional Change directive was issued for painting in Manhole M. This work will be completed in July 2015.



Manhole B Vent Piping



Manhole M Sump Pump

DES-108 7th Avenue Tunnel Insulation Repairs

The project was awarded to Warren Insulation. Work began on October 20, 2014 this project was substantially completed and was reviewed by a representative from TEG on November 3, 2014. A punch list was developed and a request was made to perform additional insulation in the 7th Avenue Tunnel near the Hume Fogg connection. These items were completed on December 2, 2014.

DES-109 Indigo Hotel Sparge Tube Installation

MNDES has a service line easement that runs through the basement of the Indigo Hotel. A trap failed on the steam line located in this area. A pre-bid meeting was held on October 30, 2014 for the installation of a Sparge Tube, associated piping and insulation. Bids were received on November 6th and the project was awarded to Dillingham and Smith. Submittals were approved and the project began on January 8th. Substantial completion was accomplished on January 12, 2015 and the insulation was completed on January 15th.



Indigo Hotel Sparge Tube Piping



Indigo Hotel Sparge Tube Piping insulated

DES-110 Back up Fuel for EGF

CNE is working on a Propane Acquisition Plan and investigating the installation of a second propane storage tank.

DES-112 Cordell Hull Condensate Line Replacement

Representatives from TEG, CNE and PPMI met with the Cordell Hull Building Manager on June 29, 2015 to review the project and answer questions regarding access to the facility, parking, etc. TEG has requested an exploratory dig be made to see if the line can be repaired. PPMI is to furnish anticipated replacement costs by July 8, 2015. The project is anticipated to begin by early August 2015.

DES-113 Almond Street Chilled Water Leak

On March 9, 2015, a contractor working on a downtown building project, drilled a hole in the Symphony chilled water supply line on Almond Street. CNE personnel isolated the leak and restored service to the rest of the system. A mechanical contractor and his excavator were called in to make an emergency repair. Service was restored to the Symphony March 11, 2015.



Almond Street Chilled Water leak



Almond Street Chilled Water leak Repair

DES-114 4th Avenue South Chilled Water Leak

On March 17, 2015, the same contractor, working on the same downtown building project, drilled a hole in the Music City Center chilled water service line on 4th Avenue. CNE personnel isolated the leak and restored service to the rest of the system. A mechanical contractor and support staff was called in to make repairs immediately. Several repair options were discussed prior to Metro's engineer deciding on a solution. Parts were located in Birmingham, Alabama and the contractor sent personnel to pick them up to expedite the repairs. The contractor and CNE personnel worked round the clock until service was restored to the MCC at approximately 7:00 a.m. March 19, 2015.



4th Avenue Chilled Water Leak Repair



4th Avenue Chilled Water Leak Repair



DES-115 Manhole B6 City Water/Sewer Water Infiltration

At approximately 11:00 p.m. on February 27, 2015, CNE Maintenance personnel were called in to investigate a large steam plume near Manhole B6 reported by Metro Public Works (MPW). An unusual amount of water was discovered in the Manhole. Maintenance personnel pumped it out. Seven hours later, the Manhole was full of water again. Metro Water Services (MWS) was called and it was determined the water entering the manhole was city water. CNE Maintenance personnel kept the manhole pumped out while MWS “sounded” their lines, located and isolated the leak and made their repairs. Due to the location of the manhole at the intersection of 4th Avenue and Molloy Street, MPW asked CNE and MWS personnel to leave the site to accommodate traffic after the Predators hockey game. Approximately one hour later, a MPW official called to report excessive steam coming from Manhole B6 again. CNE Maintenance personnel responded and began pumping out the manhole. Water was found to be entering the manhole at a greater rate than before. MWS returned and isolated valves in the area which did not slow the water infiltration into manhole. After opening some nearby manhole lids, they discovered a backed up sewer line in the area and concluded the water entering the manhole was now sewer water and not city water. Another MWS crew arrived on site at approximately 9:00 a.m. Sunday March 1, 2015. They immediately began work to unplug the sewer and the water infiltration slowed down substantially. CNE personnel remained on site until 4:00 p.m. when the water stopped entering the manhole vault.

DES-116 Manhole S5 Emergency Steam Leak Repairs

On April 9, 2015, it was discovered that a pinhole leak on the trap line inside Manhole S5 had become substantially worse. The decision was made to isolate and cool the steam system in this area so that a proper repair evaluation could be made. The affected customers included the State Library and Archives building, TSU and the State Supreme Court. The following day, a representative from TEG surveyed the leak and determined a new weld-o-let, pipe nipple and valve would need to be installed. CNE’s Operations Manager contacted our emergency repair contractor and after analyzing the existing pipe, it was determined that a new drip leg would also need to be installed. The contractor replaced the lower section of the dripleg and installed a weld-o-let, pipe nipple and valve. Steam service was restored by 10:00 pm April 10, 2015. This was considered a temporary repair.

DES-117 Manhole S5 Piping Modifications

TEG is working on a re-design of the steam and condensate configuration in this manhole.

DES-118 2015 Steam Outage

A pre-bid meeting and walkthrough was held on June 24, 2015 to review the items scheduled to be repaired during the July 19-20, 2015 Steam Outage. Three bidders were invited; however, only two attended. The bids are due July 1, 2015 with the anticipated award date of July 6, 2015.



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
- Chilled Water or Ice storage

Recommendations for FY 2015-2016

- 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
- Replace condensate line from Manhole 6 to Manhole 23
- Replace service lines to the Hermitage Hotel
- Investigate the installation of additional Division Valves
- Investigate decoupling the Polk Building to improve chilled water system hydraulics
- 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. Metro has temporarily suspended the pursuit of new customers until experience with the load requirements at the Music City Center have been determined. Potential customers continue to inquire about system capacity. LifeWay Christian Resources, formerly known as the Baptist Sunday School Board, is planning to relocate their corporate headquarters to the lot adjacent to the EGF and have expressed an interest in using MNDES services.

The following table, furnished by Thermal Engineering Group, Inc. on May 21, 2015, indicates the remaining system capacity.

System Capacity		
Diversity Factor	63.87%	74.60%
	Chilled Water (tons)	Steam (pph)
Installed Capacity	20,800	195,000
Capacity including redundant equipment	23,400	260,000
Max Allowable Customer Load	20,400	166,433
Maximum System Peaks	18,946	157,996
Net Undiversified Capacity Available for Sale	1,454	8,43
Net Diversified Capacity Available for Sale	2,276	11,309
Contract Capacity for Existing Customers	30,533	297,389
Diversified Potential for Contract Capacities	34,417	319,129

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

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 2014-2015, 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. 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. The costs 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 FY14-15:

Natural Gas

Month	Quantity (DT)	Unit Cost	Amount
July, 2014	31,630.1	\$ 5.3363	\$ 168,791.20
August	30,860.5	\$ 4.3357	\$ 133,801.52
September	31,953.4	\$ 5.0763	\$ 162,204.05
October	41,861.7	\$ 5.0693	\$ 212,210.65
November	65,611.4	\$ 4.8499	\$ 318,206.21
December	71,730.4	\$ 5.1800	\$ 371,566.21
January, 2015	77,552.1	\$ 4.7252	\$ 366,448.51
February	82,873.4	\$ 4.3771	\$ 362,741.52
March	60,270.1	\$ 4.4658	\$ 269,156.42
April	37,676.3	\$ 4.3820	\$ 165,097.51
May	29,715.8	\$ 4.4338	\$ 131,752.66
June	27,035.7	\$ 4.5291	\$ 122,447.69
Total	588,771.3	\$ 4.7292	\$ 2,784,424.15



The following is a report of propane used in FY14-15:

Propane

Month	Quantity (DT)	Unit Cost	Amount
July, 2014	0	N/A	\$ 0.00
August	0	N/A	\$ 0.00
September	25	\$ 32.2743	\$ 792.98
October	8	\$ 30.9829	\$ 253.75
November	90	\$ 31.7511	\$ 2,857.60
December	0	N/A	\$ 0.00
January, 2015	8,512	\$ 12.2075	\$ 103,910.24
February	9,191	\$ 11.1973	\$ 102,914.38
March	508	\$ 14.6929	\$ 7,463.99
April	254	\$ 14.6852	\$ 3,730.04
May	106	\$ 14.7567	\$ 1,564.21
June	0	N/A	\$ 0.00
Total	18,694	\$ 11.9552	\$ 223,487.19

A Propane Acquisition Plan is being developed by CNE. Additional on-site storage is also being considered.



During FY14-15, electricity was purchased each month based on the Nashville Electric Service rate schedule.

Electricity

Month	Quantity (Kwh)	Unit Cost	Amount
July, 2014	7,533,502	\$ 0.11301	\$ 851,329.09
August	8,585,041	\$ 0.10629	\$ 912,521.77
September	6,592,906	\$ 0.10972	\$ 723,367.16
October	4,630,695	\$ 0.07431	\$ 344,117.94
November	2,627,583	\$ 0.07265	\$ 190,902.27
December	2,474,904	\$ 0.08954	\$ 221,614.50
January, 2015	2,375,831	\$ 0.09144	\$ 217,256.95
February	2,081,355	\$ 0.09482	\$ 197,347.29
March	2,945,060	\$ 0.09194	\$ 270,780.15
April	3,883,720	\$ 0.07798	\$ 302,845.49
May	5,119,737	\$ 0.07359	\$ 376,741.68
June	7,426,528	\$ 0.10635	\$ 789,785.97
Total	56,276,862	\$ 0.09593	\$ 5,398,610.26

The following table indicates the water purchased during FY14-15 based on the Metro Water Services rate schedule.

Water & Sewer

Month	Quantity (Kgal)	Unit Cost	Amount
July, 2014	17,434,384	\$ 0.00364	\$ 63,484.32
August	19,146,556	\$ 0.00365	\$ 69,797.06
September	18,729,920	\$ 0.00364	\$ 68,144.41
October	13,347,312	\$ 0.00365	\$ 48,654.65
November	10,266,300	\$ 0.00366	\$ 37,571.29
December	6,483,664	\$ 0.00367	\$ 23,819.81
January, 2015	7,417,916	\$ 0.00378	\$ 28,035.37
February	6,603,344	\$ 0.00367	\$ 24,232.17
March	6,876,364	\$ 0.00367	\$ 25,232.93
April	8,836,872	\$ 0.00366	\$ 32,311.99
May	11,492,272	\$ 0.00366	\$ 42,025.23
June	12,529,748	\$ 0.00365	\$ 45,676.67
Total	139,164,652	\$ 0.00366	\$ 508,985.90



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 FY14-15.

Appendix 3 – Customer Rate Reconciliation

Monthly Reconciliation charts from July 2014 to June 2015 are found in this appendix. The final chart is a Summary Reconciliation table for FY14-15. 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 1.0136%, the annual replacement and repair allowance was \$189,812 for FY14-15.
- **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
Chilled Water and Steam Revenues
Fiscal Year Ending June 30, 2015

Customer No.	Customer Name	July	August	September	October	November	December	January	February	March	April	May	June (including True Up)	Total
2	A. A. Birch	\$ 74,355.63	\$ 77,831.62	\$ 73,543.65	\$ 59,348.16	\$ 55,840.54	\$ 58,984.25	\$ 57,081.85	\$ 53,696.44	\$ 51,051.16	\$ 55,646.85	\$ 55,412.38	\$ 62,434.39	\$ 735,226.92
4	Historic Metro Courthouse	\$ 30,570.42	\$ 31,755.66	\$ 28,862.88	\$ 24,610.62	\$ 25,290.85	\$ 28,172.36	\$ 29,494.76	\$ 28,549.93	\$ 25,371.59	\$ 23,731.52	\$ 22,254.20	\$ 28,932.91	\$ 327,597.70
7	Parkway Towers	\$ 27,114.16	\$ 27,046.26	\$ 25,144.85	\$ 19,535.75	\$ 29,456.49	\$ 34,481.00	\$ 36,435.20	\$ 36,491.08	\$ 30,390.71	\$ 26,260.74	\$ 21,561.61	\$ 25,669.82	\$ 339,587.67
9	Wells Fargo Plaza	\$ 10,200.02	\$ 10,629.07	\$ 10,906.60	\$ 10,353.47	\$ 10,762.98	\$ 8,735.80	\$ 9,681.58	\$ 9,937.46	\$ 8,721.36	\$ 8,649.85	\$ 8,331.47	\$ 11,449.94	\$ 118,359.60
10	401 Union Building	\$ 7,038.45	\$ 7,045.59	\$ 7,040.23	\$ 7,011.91	\$ 7,017.27	\$ 7,021.27	\$ 7,021.38	\$ 7,024.08	\$ 6,970.41	\$ 5,396.02	\$ 5,207.26	\$ 4,601.77	\$ 78,395.64
11	Sheraton Hotel	\$ 78,131.72	\$ 80,780.91	\$ 74,526.23	\$ 76,376.77	\$ 68,523.56	\$ 69,620.63	\$ 73,058.02	\$ 65,783.01	\$ 58,120.87	\$ 52,934.78	\$ 56,230.87	\$ 66,162.23	\$ 820,249.60
12	Municipal Auditorium	\$ 23,968.54	\$ 24,652.64	\$ 22,237.29	\$ 19,495.46	\$ 32,287.35	\$ 34,188.26	\$ 36,232.84	\$ 35,399.37	\$ 25,406.49	\$ 16,382.58	\$ 17,778.93	\$ 21,469.95	\$ 309,499.70
21	Hermitage Hotel	\$ 27,688.26	\$ 26,829.57	\$ 24,978.70	\$ 22,380.54	\$ 21,803.69	\$ 22,139.46	\$ 20,466.01	\$ 21,076.72	\$ 20,831.01	\$ 20,132.76	\$ 21,338.59	\$ 24,434.59	\$ 274,099.90
24	Criminal Justice Center	\$ 45,051.55	\$ 44,920.20	\$ 42,964.54	\$ 36,986.32	\$ 38,144.01	\$ 42,752.10	\$ 42,242.30	\$ 39,872.30	\$ 39,641.09	\$ 34,983.08	\$ 34,504.22	\$ 39,651.95	\$ 481,713.66
25	501 Union Building	\$ 19,011.67	\$ 17,657.73	\$ 17,141.67	\$ 15,100.87	\$ 16,867.95	\$ 18,420.04	\$ 18,733.36	\$ 18,017.38	\$ 13,096.45	\$ 10,994.11	\$ 10,796.93	\$ 13,275.63	\$ 189,113.79
28	4th & Church Building	\$ 43,301.37	\$ 45,139.13	\$ 38,950.47	\$ 27,626.82	\$ 35,084.10	\$ 37,595.92	\$ 41,719.12	\$ 40,353.69	\$ 34,624.19	\$ 30,265.34	\$ 28,994.75	\$ 40,643.94	\$ 444,298.84
29	Fifth-Third Financial Center	\$ 41,309.78	\$ 41,978.86	\$ 37,110.89	\$ 27,209.77	\$ 23,850.39	\$ 23,727.11	\$ 23,167.26	\$ 22,096.85	\$ 25,134.29	\$ 27,280.62	\$ 28,908.54	\$ 38,176.26	\$ 359,950.62
32	Renaissance Hotel	\$ 83,051.72	\$ 86,833.73	\$ 81,596.86	\$ 69,133.54	\$ 70,532.10	\$ 74,290.87	\$ 79,702.63	\$ 78,765.86	\$ 72,199.73	\$ 68,900.77	\$ 69,639.69	\$ 79,967.33	\$ 914,614.83
33	Convention Center	\$ 78,877.87	\$ 79,178.93	\$ 75,873.66	\$ 63,392.60	\$ 66,167.48	\$ 65,995.69	\$ 82,986.69	\$ 82,790.10	\$ 69,707.48	\$ 58,225.13	\$ 64,648.24	\$ 70,756.04	\$ 858,599.91
34	Renaissance Office Tower	\$ 14,016.66	\$ 16,523.17	\$ 13,724.22	\$ 8,079.64	\$ 8,208.95	\$ 8,438.44	\$ 9,182.92	\$ 8,932.88	\$ 10,123.20	\$ 8,377.73	\$ 8,469.61	\$ 13,884.52	\$ 127,961.94
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	\$ 41,624.99	\$ 42,119.46	\$ 37,227.59	\$ 25,766.56	\$ 21,855.69	\$ 22,419.36	\$ 21,905.01	\$ 20,785.43	\$ 23,600.45	\$ 25,014.64	\$ 27,192.74	\$ 38,326.90	\$ 347,838.82
38	Wildhorse Saloon	\$ 14,982.22	\$ 15,479.45	\$ 13,126.26	\$ 9,825.18	\$ 10,002.78	\$ 10,246.71	\$ 10,845.86	\$ 9,966.57	\$ 9,970.67	\$ 10,208.15	\$ 10,327.23	\$ 13,550.25	\$ 138,531.33
39	Ryman Auditorium	\$ 23,918.14	\$ 23,478.84	\$ 21,625.20	\$ 16,413.61	\$ 14,605.40	\$ 15,569.75	\$ 15,467.20	\$ 13,253.37	\$ 14,621.62	\$ 16,490.62	\$ 17,365.38	\$ 22,278.11	\$ 215,087.24
40	Bridgestone Arena	\$ 139,562.69	\$ 144,638.96	\$ 149,707.79	\$ 120,254.78	\$ 97,930.99	\$ 96,468.45	\$ 88,774.79	\$ 88,862.53	\$ 100,409.87	\$ 109,708.48	\$ 83,978.11	\$ 105,937.48	\$ 1,326,234.92
41	L.P. Field	\$ 76,333.15	\$ 88,051.69	\$ 66,555.47	\$ 41,321.13	\$ 28,991.12	\$ 28,958.01	\$ 26,896.17	\$ 26,838.55	\$ 30,283.36	\$ 33,395.66	\$ 45,513.34	\$ 79,311.10	\$ 572,448.75
43	Hume-Fogg High School	\$ 17,821.32	\$ 18,132.91	\$ 15,223.21	\$ 10,789.27	\$ 12,492.55	\$ 11,827.11	\$ 11,131.36	\$ 11,258.26	\$ 9,176.38	\$ 9,028.84	\$ 9,514.17	\$ 10,909.08	\$ 147,304.46
44	Schermerhorn Symphony Center	\$ 31,657.76	\$ 33,820.73	\$ 35,346.57	\$ 28,868.72	\$ 26,613.14	\$ 29,076.84	\$ 29,689.41	\$ 29,989.26	\$ 26,250.32	\$ 25,870.37	\$ 26,689.32	\$ 33,439.30	\$ 357,311.74
45	Nashville Public Library	\$ 41,592.19	\$ 30,062.70	\$ 26,029.65	\$ 16,662.83	\$ 15,813.23	\$ 27,342.70	\$ 25,674.97	\$ 22,491.51	\$ 22,657.48	\$ 18,804.13	\$ 17,607.49	\$ 29,563.30	\$ 294,302.18
49	Viridian Residential Tower	\$ 23,578.96	\$ 23,662.00	\$ 21,230.34	\$ 15,674.32	\$ 13,270.00	\$ 14,702.24	\$ 14,504.78	\$ 14,254.83	\$ 15,060.31	\$ 16,555.39	\$ 18,167.65	\$ 23,989.87	\$ 214,650.69
50	Music City Center	\$ 367,042.86	\$ 393,819.64	\$ 319,300.10	\$ 217,815.53	\$ 175,694.71	\$ 180,752.00	\$ 197,618.23	\$ 201,867.52	\$ 179,160.63	\$ 190,899.92	\$ 201,530.33	\$ 252,313.65	\$ 2,877,815.12
51	Hyatt Place Hotel	\$ 23,106.56	\$ 22,543.64	\$ 20,931.00	\$ 19,043.05	\$ 18,290.39	\$ 19,376.81	\$ 19,306.23	\$ 18,379.89	\$ 17,151.03	\$ 18,030.31	\$ 18,759.76	\$ 20,896.50	\$ 235,815.17
51	State Government of TN	\$ 516,939.69	\$ 517,358.43	\$ 486,062.74	\$ 407,314.31	\$ 410,747.43	\$ 436,503.59	\$ 467,475.64	\$ 461,192.14	\$ 411,316.45	\$ 387,596.18	\$ 397,794.64	\$ 493,535.70	\$ 5,393,836.94
	Grand Totals:	\$ 1,922,830.28	\$ 1,972,953.45	\$ 1,787,950.59	\$ 1,417,373.46	\$ 1,357,127.07	\$ 1,428,788.70	\$ 1,497,477.50	\$ 1,468,908.94	\$ 1,352,030.53	\$ 1,310,746.50	\$ 1,329,499.38	\$ 1,666,544.44	\$ 18,512,230.84



Appendix 3

Metro Nashville District Energy System
Chilled Water and Steam Revenues
Fiscal Year Ending June 30, 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	\$ 127,206.48	\$ 189,889.68	\$ 8,318.04	\$ 19,130.37	\$ 23,546.47	\$ 8,807.41	\$ 182.21	\$ 1,335.94	\$ 3,147.82	\$ -	\$ 13,382.68	\$ 204,417.30	\$ 127,890.27	\$ 7,972.25	\$ 735,226.92
4	Historic Metro Courthouse	\$ 60,219.36	\$ 88,605.96	\$ 3,881.40	\$ 8,926.37	\$ 9,162.87	\$ 3,613.88	\$ 84.99	\$ 623.57	\$ 1,468.86	\$ -	\$ 7,544.21	\$ 87,854.84	\$ 51,148.77	\$ 4,462.62	\$ 327,597.70
7	Parkway Towers	\$ 54,900.48	\$ 85,966.68	\$ 3,765.36	\$ 8,661.40	\$ 9,820.95	\$ 4,273.08	\$ 82.31	\$ 604.19	\$ 1,424.92	\$ 8,097.96	\$ 492.14	\$ 103,589.14	\$ 51,780.27	\$ 6,128.79	\$ 339,587.67
9	Wells Fargo Plaza	\$ 20,235.96	\$ 31,159.20	\$ 1,364.76	\$ 3,139.30	\$ 3,389.44	\$ 1,274.15	\$ 29.89	\$ 219.07	\$ 516.52	\$ 2,909.04	\$ -	\$ 34,718.19	\$ 17,772.72	\$ 1,631.36	\$ 118,359.60
10	401 Union Building	\$ 26,224.62	\$ 41,490.09	\$ 1,817.16	\$ 4,370.06	\$ -	\$ -	\$ 44.60	\$ 225.78	\$ 680.21	\$ 3,543.12	\$ -	\$ -	\$ -	\$ -	\$ 78,395.64
11	Sheraton Hotel	\$ 115,840.92	\$ 172,667.04	\$ 7,563.60	\$ 17,395.33	\$ 29,466.59	\$ 11,356.12	\$ 165.71	\$ 1,214.81	\$ 2,862.32	\$ 14,046.00	\$ 6,829.10	\$ 237,265.69	\$ 190,059.19	\$ 13,517.18	\$ 820,249.60
12	Municipal Auditorium	\$ 60,738.78	\$ 94,756.75	\$ 4,150.36	\$ 9,532.23	\$ 5,183.07	\$ 2,429.19	\$ 90.34	\$ 671.13	\$ 1,569.89	\$ -	\$ 2,661.87	\$ 45,165.64	\$ 73,514.89	\$ 9,035.56	\$ 309,499.70
21	Hermitage Hotel	\$ 55,953.00	\$ 80,961.60	\$ 3,546.72	\$ 8,156.01	\$ 7,344.63	\$ 2,725.70	\$ 77.68	\$ 569.98	\$ 1,342.19	\$ 3,162.00	\$ 4,669.25	\$ 78,715.34	\$ 24,997.91	\$ 1,877.89	\$ 274,099.90
24	Criminal Justice Center	\$ 94,611.36	\$ 133,112.40	\$ 5,831.76	\$ 13,408.91	\$ 14,860.17	\$ 5,829.80	\$ 127.95	\$ 937.75	\$ 2,206.88	\$ -	\$ 3,783.02	\$ 152,939.70	\$ 49,916.09	\$ 4,147.87	\$ 481,713.66
25	501 Union Building	\$ 22,060.92	\$ 32,637.72	\$ 1,429.68	\$ 3,288.02	\$ 8,021.86	\$ 3,184.46	\$ 31.36	\$ 229.66	\$ 541.05	\$ 2,658.00	\$ 385.56	\$ 66,879.43	\$ 44,400.85	\$ 3,365.22	\$ 189,113.79
28	4th & Church Building	\$ 237,990.24	\$ -	\$ -	\$ -	\$ 11,353.30	\$ 4,462.15	\$ 104.62	\$ 767.27	\$ -	\$ -	\$ 1,175.87	\$ 131,566.91	\$ 50,307.54	\$ 6,570.94	\$ 444,298.84
29	Fifth-Third Financial Center	\$ 67,421.16	\$ 120,804.60	\$ 5,289.84	\$ 12,173.97	\$ 9,946.68	\$ 3,355.04	\$ 115.28	\$ 846.82	\$ 2,001.87	\$ 8,984.04	\$ 564.67	\$ 128,446.65	\$ -	\$ -	\$ 359,950.62
32	Renaissance Hotel	\$ 138,966.60	\$ 201,350.04	\$ 8,820.60	\$ 20,283.81	\$ 30,775.48	\$ 12,113.37	\$ 193.40	\$ 1,417.51	\$ 3,338.02	\$ 16,703.04	\$ -	\$ 282,062.62	\$ 183,437.75	\$ 15,152.59	\$ 914,614.83
33	Convention Center	\$ 171,113.40	\$ 254,917.68	\$ 11,166.60	\$ 25,681.58	\$ 23,848.81	\$ 9,351.55	\$ 244.57	\$ 1,793.51	\$ 4,225.83	\$ -	\$ 126.32	\$ 250,592.09	\$ 93,829.37	\$ 11,708.60	\$ 858,599.91
34	Renaissance Office Tower	\$ 16,483.56	\$ 29,535.12	\$ 1,293.36	\$ 2,976.38	\$ 5,328.61	\$ 1,967.39	\$ 28.17	\$ 207.04	\$ 489.45	\$ 2,595.00	\$ 396.14	\$ 66,661.72	\$ -	\$ -	\$ 127,961.94
35	St. Mary's Catholic Church	\$ 11,403.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 380.04	\$ -	\$ -	\$ -	\$ -	\$ 11,783.16
36	Nashville City Center	\$ 54,945.36	\$ 98,450.52	\$ 4,311.00	\$ 9,921.28	\$ 12,001.31	\$ 4,109.19	\$ 93.97	\$ 690.12	\$ 1,631.42	\$ 8,604.00	\$ 57.51	\$ 153,023.14	\$ -	\$ -	\$ 347,838.82
38	Wildhorse Saloon	\$ 20,453.88	\$ 32,238.84	\$ 1,412.04	\$ 3,248.28	\$ 4,811.53	\$ 1,789.35	\$ 30.84	\$ 226.55	\$ 534.38	\$ 2,088.00	\$ 3.16	\$ 53,219.78	\$ 17,019.00	\$ 1,455.70	\$ 138,531.33
39	Ryman Auditorium	\$ 21,735.61	\$ 34,542.62	\$ 1,512.92	\$ 3,469.62	\$ 9,666.92	\$ 3,590.34	\$ 32.85	\$ 246.40	\$ 572.00	\$ 2,024.04	\$ -	\$ 83,298.39	\$ 51,355.40	\$ 3,040.13	\$ 215,087.24
40	Bridgestone Arena	\$ 227,252.52	\$ 365,102.40	\$ 15,990.72	\$ 36,786.76	\$ 46,981.26	\$ 16,717.95	\$ 349.49	\$ 2,564.67	\$ 6,051.42	\$ -	\$ 2,143.03	\$ 496,609.46	\$ 103,530.91	\$ 6,154.33	\$ 1,326,234.92
41	L.P. Field	\$ 96,962.40	\$ 173,736.24	\$ 7,607.64	\$ 17,508.21	\$ 17,743.44	\$ 5,371.07	\$ 165.74	\$ 1,217.85	\$ 2,879.00	\$ -	\$ 1,714.43	\$ 247,542.73	\$ -	\$ -	\$ 572,448.75
43	Hume-Fogg High School	\$ 32,290.92	\$ 49,589.40	\$ 2,172.00	\$ 4,996.19	\$ 3,386.14	\$ 1,173.29	\$ 47.51	\$ 348.67	\$ 822.00	\$ -	\$ 1,922.87	\$ 29,492.99	\$ 19,474.40	\$ 1,588.08	\$ 147,304.46
44	Schermerhorn Symphony Center	\$ 173,376.00	\$ -	\$ -	\$ -	\$ 11,804.40	\$ 4,546.54	\$ 75.37	\$ 553.08	\$ -	\$ -	\$ -	\$ 102,843.77	\$ 59,893.26	\$ 4,219.32	\$ 357,311.74
45	Nashville Public Library	\$ 78,708.60	\$ -	\$ -	\$ -	\$ 13,587.57	\$ 5,118.55	\$ 117.46	\$ 861.70	\$ -	\$ -	\$ 2,273.05	\$ 156,770.77	\$ 33,261.63	\$ 3,602.85	\$ 294,302.18
49	Viridian Residential Tower	\$ 141,312.00	\$ -	\$ -	\$ -	\$ 4,400.39	\$ 1,428.89	\$ 56.54	\$ 415.70	\$ -	\$ -	\$ 8,005.31	\$ 59,031.86	\$ -	\$ -	\$ 214,650.69
50	Music City Center	\$ 938,654.40	\$ 105,538.56	\$ -	\$ 62,585.77	\$ 110,380.76	\$ 39,712.32	\$ 870.74	\$ 6,389.30	\$ -	\$ -	\$ 343.07	\$ 920,943.99	\$ 650,472.67	\$ 41,923.54	\$ 2,877,815.12
51	Hyatt Place Hotel	\$ 125,574.00	\$ -	\$ -	\$ -	\$ 6,861.37	\$ 2,624.54	\$ 57.77	\$ 423.67	\$ -	\$ -	\$ 1,612.78	\$ 52,413.87	\$ 43,494.28	\$ 2,752.89	\$ 235,815.17
51	State Government of TN	\$ 1,639,133.88	\$ 1,219,261.08	\$ -	\$ -	\$ 143,828.25	\$ 55,803.68	\$ -	\$ 9,461.71	\$ 22,292.66	\$ -	\$ 68,198.62	\$ 1,290,230.22	\$ 872,812.10	\$ 72,814.74	\$ 5,393,836.94
	Grand Totals:	\$ 4,831,769.53	\$ 3,636,314.22	\$ 101,245.56	\$ 295,639.85	\$ 577,502.27	\$ 216,729.00	\$ 3,501.36	\$ 35,063.45	\$ 60,598.71	\$ 75,794.28	\$ 128,284.66	\$ 5,516,296.23	\$ 2,810,369.27	\$ 223,122.45	\$ 18,512,230.84
	Rate Calculation Totals:	\$ -	\$ 5,008,213.44	\$ 161,340.24	\$ 344,565.45	\$ 577,696.42	\$ 216,809.10	\$ 4,795.85	\$ 35,096.27	\$ 61,056.78	\$ 75,794.28	\$ 128,284.66	\$ 5,517,651.30	\$ 2,813,652.80	\$ 223,487.19	\$ 20,913,659.90
	Deviation:	\$ (913,446.59)	\$ (1,371,899.22)	\$ (60,094.68)	\$ (48,925.60)	\$ (194.15)	\$ (80.10)	\$ (1,294.49)	\$ (32.82)	\$ (458.07)	\$ -	\$ -	\$ (1,355.07)	\$ (3,283.53)	\$ (364.74)	\$ (2,401,429.06)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
July, 2014

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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 3,129.77	\$ 495.47	\$ 23.42	\$ -	\$ 323.23	\$ -	\$ 860.60	\$ 31,897.69	\$ 8,592.20	\$ -	\$ 74,355.63
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 1,108.74	\$ 169.01	\$ 10.93	\$ -	\$ 150.83	\$ -	\$ 627.22	\$ 12,949.99	\$ 1,934.35	\$ -	\$ 30,570.42
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 866.76	\$ 123.24	\$ 10.58	\$ -	\$ 146.32	\$ 674.83	\$ -	\$ 12,372.67	\$ -	\$ -	\$ 27,114.16
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 336.63	\$ 47.86	\$ 3.84	\$ -	\$ 53.04	\$ 242.42	\$ -	\$ 4,805.29	\$ -	\$ -	\$ 10,200.02
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 75.93	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 7,038.45
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 3,552.05	\$ 569.57	\$ 21.30	\$ -	\$ 293.92	\$ 1,170.50	\$ 757.20	\$ 34,369.51	\$ 10,983.35	\$ -	\$ 78,131.72
12	Municipal Auditorium	\$ 5,024.24	\$ 7,853.45	\$ 343.98	\$ 950.51	\$ 610.38	\$ 87.47	\$ 11.60	\$ -	\$ 160.40	\$ -	\$ 270.70	\$ 8,538.71	\$ 117.10	\$ -	\$ 23,968.54
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 968.00	\$ 144.32	\$ 9.99	\$ -	\$ 137.82	\$ 263.50	\$ 378.98	\$ 12,126.51	\$ 1,137.32	\$ -	\$ 27,688.26
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 1,574.80	\$ 233.83	\$ 16.45	\$ -	\$ 226.61	\$ -	\$ 536.66	\$ 19,969.52	\$ 1,687.85	\$ -	\$ 45,051.55
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 986.90	\$ 158.55	\$ 4.03	\$ -	\$ 55.56	\$ 221.50	\$ 2.63	\$ 9,473.42	\$ 3,102.50	\$ -	\$ 19,011.67
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 1,517.17	\$ 215.71	\$ 13.45	\$ -	\$ -	\$ -	\$ 65.47	\$ 21,657.05	\$ -	\$ -	\$ 43,301.37
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 1,491.64	\$ 212.08	\$ 14.82	\$ -	\$ 205.56	\$ 748.67	\$ -	\$ 21,292.61	\$ -	\$ -	\$ 41,309.78
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 3,421.75	\$ 518.07	\$ 24.86	\$ -	\$ 342.76	\$ 1,391.92	\$ -	\$ 40,853.94	\$ 5,372.52	\$ -	\$ 83,051.72
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 2,593.33	\$ 375.72	\$ 31.44	\$ -	\$ 433.93	\$ -	\$ -	\$ 35,248.93	\$ 1,190.03	\$ -	\$ 78,877.87
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 616.60	\$ 87.67	\$ 3.62	\$ -	\$ 50.26	\$ 216.25	\$ -	\$ 8,801.78	\$ -	\$ -	\$ 14,016.66
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 1,724.97	\$ 245.26	\$ 12.08	\$ -	\$ 167.52	\$ 717.00	\$ -	\$ 24,623.22	\$ -	\$ -	\$ 41,624.99
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 653.10	\$ 94.73	\$ 3.97	\$ -	\$ 54.87	\$ 174.00	\$ -	\$ 8,849.28	\$ 318.38	\$ -	\$ 14,982.22
39	Ryman Auditorium	\$ 1,784.28	\$ 2,847.46	\$ 124.71	\$ 344.61	\$ 1,337.04	\$ 214.85	\$ 4.21	\$ -	\$ 58.16	\$ 168.67	\$ -	\$ 12,823.39	\$ 4,210.76	\$ -	\$ 23,918.14
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 5,777.66	\$ 877.07	\$ 44.93	\$ -	\$ 621.38	\$ -	\$ -	\$ 68,402.17	\$ 9,461.82	\$ -	\$ 139,562.69
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 3,312.76	\$ 471.01	\$ 21.31	\$ -	\$ 295.62	\$ -	\$ -	\$ 47,288.43	\$ -	\$ -	\$ 76,333.15
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 748.94	\$ 123.48	\$ 6.11	\$ -	\$ 84.40	\$ -	\$ 72.19	\$ 6,389.43	\$ 2,892.23	\$ -	\$ 17,821.32
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 1,218.82	\$ 192.70	\$ 9.69	\$ -	\$ -	\$ -	\$ -	\$ 12,484.91	\$ 3,303.64	\$ -	\$ 31,657.76
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 2,419.21	\$ 375.00	\$ 15.10	\$ -	\$ -	\$ -	\$ 264.04	\$ 26,677.70	\$ 5,282.09	\$ -	\$ 41,592.19
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 736.86	\$ 104.77	\$ 7.27	\$ -	\$ -	\$ -	\$ 435.71	\$ 10,518.35	\$ -	\$ -	\$ 23,578.96
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,748.28	\$ 19,778.46	\$ 3,199.73	\$ 111.94	\$ -	\$ -	\$ -	\$ -	\$ 184,219.19	\$ 65,969.18	\$ -	\$ 367,042.86
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 922.78	\$ 151.15	\$ 7.43	\$ -	\$ -	\$ -	\$ 42.28	\$ 8,123.80	\$ 3,394.62	\$ -	\$ 23,106.56
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 19,221.51	\$ 3,011.83	\$ -	\$ -	\$ 2,289.08	\$ -	\$ 2,963.71	\$ 203,789.69	\$ 47,464.29	\$ -	\$ 516,939.69
	Grand Totals:	\$ 402,728.56	\$ 303,212.75	\$ 8,445.29	\$ 30,084.85	\$ 80,626.63	\$ 12,500.15	\$ 449.86	\$ -	\$ 6,227.20	\$ 6,316.19	\$ 7,277.39	\$ 888,547.18	\$ 176,414.23	\$ -	\$ 1,922,830.28
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 80,643.57	\$ 12,500.00	\$ 616.25	\$ -	\$ 6,269.49	\$ 6,316.19	\$ 7,277.39	\$ 888,789.41	\$ 176,414.25	\$ -	\$ 2,125,542.78
	Deviation:	\$ (76,039.45)	\$ (114,138.37)	\$ (4,999.73)	\$ (7,067.23)	\$ (16.94)	\$ 0.15	\$ (166.39)	\$ -	\$ (42.29)	\$ -	\$ -	\$ (242.23)	\$ (0.02)	\$ -	\$ (202,712.50)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
August, 2014

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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 3,646.45	\$ 1,420.43	\$ 23.42	\$ -	\$ 353.60	\$ -	\$ 623.74	\$ 35,241.69	\$ 7,489.04	\$ -	\$ 77,831.62
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 1,255.59	\$ 469.91	\$ 10.93	\$ -	\$ 165.00	\$ -	\$ 585.18	\$ 14,016.61	\$ 1,633.09	\$ -	\$ 31,755.66
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 879.56	\$ 305.96	\$ 10.58	\$ -	\$ 160.07	\$ 674.83	\$ -	\$ 12,095.50	\$ -	\$ -	\$ 27,046.26
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 371.79	\$ 129.33	\$ 3.84	\$ -	\$ 58.02	\$ 242.42	\$ -	\$ 5,112.73	\$ -	\$ -	\$ 10,629.07
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 83.07	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 7,045.59
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 4,019.76	\$ 1,577.69	\$ 21.30	\$ -	\$ 321.53	\$ 1,170.50	\$ 728.63	\$ 37,687.52	\$ 8,839.66	\$ -	\$ 80,780.91
12	Municipal Auditorium	\$ 5,024.24	\$ 7,853.45	\$ 343.98	\$ 950.51	\$ 673.37	\$ 237.09	\$ 11.60	\$ -	\$ 175.47	\$ -	\$ 261.68	\$ 8,981.03	\$ 140.22	\$ -	\$ 24,652.64
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 931.01	\$ 333.86	\$ 9.99	\$ -	\$ 150.77	\$ 263.50	\$ 303.78	\$ 11,821.90	\$ 492.94	\$ -	\$ 26,829.57
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 1,628.22	\$ 593.56	\$ 16.45	\$ -	\$ 247.91	\$ -	\$ 563.05	\$ 19,726.15	\$ 1,339.03	\$ -	\$ 44,920.20
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 961.97	\$ 380.18	\$ 4.03	\$ -	\$ 60.78	\$ 221.50	\$ 15.79	\$ 8,762.61	\$ 2,244.29	\$ -	\$ 17,657.73
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 1,675.09	\$ 582.70	\$ 13.45	\$ -	\$ -	\$ -	\$ -	\$ 23,035.37	\$ -	\$ -	\$ 45,139.13
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 1,566.01	\$ 544.75	\$ 14.82	\$ -	\$ 224.87	\$ 748.67	\$ -	\$ 21,535.34	\$ -	\$ -	\$ 41,978.86
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 3,861.04	\$ 1,434.84	\$ 24.86	\$ -	\$ 374.97	\$ 1,391.92	\$ -	\$ 44,099.37	\$ 4,520.83	\$ -	\$ 86,833.73
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 2,653.73	\$ 931.53	\$ 31.44	\$ -	\$ 474.70	\$ -	\$ -	\$ 35,668.67	\$ 414.37	\$ -	\$ 79,178.93
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 795.24	\$ 276.63	\$ 3.62	\$ -	\$ 54.98	\$ 216.25	\$ -	\$ 10,935.97	\$ -	\$ -	\$ 16,523.17
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 1,792.91	\$ 623.68	\$ 12.08	\$ -	\$ 183.26	\$ 717.00	\$ -	\$ 24,655.59	\$ -	\$ -	\$ 42,119.46
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 704.66	\$ 249.99	\$ 3.97	\$ -	\$ 325.16	\$ 174.00	\$ -	\$ 9,213.09	\$ 239.82	\$ -	\$ 15,479.45
39	Ryman Auditorium	\$ 1,784.28	\$ 2,847.46	\$ 124.71	\$ 344.61	\$ 1,402.53	\$ 551.42	\$ 4.21	\$ -	\$ 63.62	\$ 168.67	\$ -	\$ 13,056.17	\$ 3,131.16	\$ -	\$ 23,478.84
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 6,330.91	\$ 2,329.02	\$ 44.93	\$ -	\$ 679.76	\$ -	\$ -	\$ 74,630.16	\$ 6,246.52	\$ -	\$ 144,638.96
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 4,155.86	\$ 1,445.66	\$ 21.31	\$ -	\$ 323.40	\$ -	\$ 11.28	\$ 57,150.16	\$ -	\$ -	\$ 88,051.69
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 815.87	\$ 322.38	\$ 6.11	\$ -	\$ 92.34	\$ -	\$ 54.14	\$ 7,436.51	\$ 1,901.02	\$ -	\$ 18,132.91
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 1,483.66	\$ 579.71	\$ 9.69	\$ -	\$ -	\$ -	\$ -	\$ 14,165.23	\$ 3,134.44	\$ -	\$ 33,820.73
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,540.37	\$ 535.83	\$ 15.10	\$ -	\$ -	\$ -	\$ 229.60	\$ 21,182.75	\$ -	\$ -	\$ 30,062.70
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 761.74	\$ 264.98	\$ 7.27	\$ -	\$ -	\$ -	\$ 376.83	\$ 10,475.18	\$ -	\$ -	\$ 23,662.00
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,748.28	\$ 23,641.64	\$ 9,417.49	\$ 111.94	\$ -	\$ -	\$ -	\$ -	\$ 208,068.64	\$ 58,815.57	\$ -	\$ 393,819.64
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 968.14	\$ 390.64	\$ 7.43	\$ -	\$ -	\$ -	\$ 27.48	\$ 8,030.85	\$ 2,654.60	\$ -	\$ 22,543.64
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 20,461.28	\$ 7,859.59	\$ -	\$ -	\$ 2,504.17	\$ -	\$ 3,152.75	\$ 208,619.70	\$ 36,561.36	\$ -	\$ 517,358.43
	Grand Totals:	\$ 402,728.56	\$ 303,212.75	\$ 8,445.29	\$ 30,084.85	\$ 88,978.40	\$ 33,788.85	\$ 449.86	\$ -	\$ 6,812.32	\$ 6,316.19	\$ 6,933.93	\$ 945,404.49	\$ 139,797.96	\$ -	\$ 1,972,953.45
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 88,994.74	\$ 33,795.80	\$ 616.25	\$ -	\$ 6,858.50	\$ 6,316.19	\$ 6,933.93	\$ 945,628.82	\$ 139,797.93	\$ -	\$ 2,175,658.39
	Deviation:	\$ (76,039.45)	\$ (114,138.37)	\$ (4,999.73)	\$ (7,067.23)	\$ (16.34)	\$ (6.95)	\$ (166.39)	\$ -	\$ (46.18)	\$ -	\$ -	\$ (224.33)	\$ 0.03	\$ -	\$ (202,704.94)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
September, 2014

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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 3,620.59	\$ 637.74	\$ 23.42	\$ -	\$ 330.79	\$ -	\$ 994.82	\$ 28,372.22	\$ 10,481.62	\$ 49.20	\$ 73,543.65
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 1,166.91	\$ 197.92	\$ 10.93	\$ -	\$ 154.36	\$ -	\$ 693.80	\$ 10,892.60	\$ 2,117.07	\$ 9.94	\$ 28,862.88
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 875.59	\$ 138.90	\$ 10.58	\$ -	\$ 149.74	\$ 674.83	\$ -	\$ 10,375.45	\$ -	\$ -	\$ 25,144.85
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 453.18	\$ 71.89	\$ 3.84	\$ -	\$ 54.27	\$ 242.42	\$ -	\$ 5,370.06	\$ -	\$ -	\$ 10,906.60
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 77.71	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 7,040.23
11	Sherraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 3,842.56	\$ 676.64	\$ 21.30	\$ -	\$ 300.79	\$ 1,170.50	\$ 800.06	\$ 30,154.88	\$ 11,093.11	\$ 52.07	\$ 74,526.23
12	Municipal Auditorium	\$ 5,024.24	\$ 7,853.45	\$ 343.98	\$ 950.51	\$ 582.07	\$ 93.40	\$ 11.60	\$ -	\$ 164.16	\$ -	\$ 383.49	\$ 6,654.18	\$ 175.39	\$ 0.82	\$ 22,237.29
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 935.79	\$ 155.51	\$ 9.99	\$ -	\$ 141.05	\$ 263.50	\$ 308.00	\$ 9,469.65	\$ 1,167.91	\$ 5.48	\$ 24,978.70
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 1,688.94	\$ 278.38	\$ 16.45	\$ -	\$ 231.91	\$ -	\$ 589.45	\$ 17,616.52	\$ 1,728.95	\$ 8.11	\$ 42,964.54
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 992.45	\$ 174.47	\$ 4.03	\$ -	\$ 56.86	\$ 221.50	\$ -	\$ 7,856.71	\$ 2,815.85	\$ 13.22	\$ 17,141.67
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 1,468.64	\$ 232.98	\$ 13.45	\$ -	\$ -	\$ -	\$ -	\$ 17,402.88	\$ -	\$ -	\$ 38,950.47
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 1,440.45	\$ 228.51	\$ 14.82	\$ -	\$ 210.37	\$ 748.67	\$ 54.90	\$ 17,068.77	\$ -	\$ -	\$ 37,110.89
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 3,953.59	\$ 671.08	\$ 24.86	\$ -	\$ 350.78	\$ 1,391.92	\$ -	\$ 36,785.81	\$ 7,258.85	\$ 34.07	\$ 81,596.86
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 2,837.00	\$ 458.27	\$ 31.44	\$ -	\$ 444.07	\$ -	\$ -	\$ 31,731.84	\$ 1,360.17	\$ 6.38	\$ 75,873.66
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 708.20	\$ 112.35	\$ 3.62	\$ -	\$ 51.43	\$ 216.25	\$ -	\$ 8,391.89	\$ -	\$ -	\$ 13,724.22
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 1,706.00	\$ 270.64	\$ 12.08	\$ -	\$ 171.44	\$ 717.00	\$ -	\$ 20,215.49	\$ -	\$ -	\$ 37,227.59
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 636.63	\$ 104.58	\$ 3.97	\$ -	\$ 56.16	\$ 174.00	\$ -	\$ 6,719.92	\$ 594.32	\$ 2.79	\$ 13,126.26
39	Ryman Auditorium	\$ 1,784.28	\$ 2,847.46	\$ 124.71	\$ 344.61	\$ 1,364.92	\$ 240.08	\$ 4.21	\$ -	\$ 59.52	\$ 168.67	\$ -	\$ 10,771.39	\$ 3,897.06	\$ 18.29	\$ 21,625.20
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 7,581.44	\$ 1,266.65	\$ 44.93	\$ -	\$ 635.92	\$ -	\$ -	\$ 75,174.30	\$ 10,577.25	\$ 49.64	\$ 149,707.79
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 3,163.55	\$ 501.86	\$ 21.31	\$ -	\$ 302.54	\$ -	\$ 135.35	\$ 37,486.84	\$ -	\$ -	\$ 66,555.47
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 616.73	\$ 105.31	\$ 6.11	\$ -	\$ 86.38	\$ -	\$ 67.67	\$ 5,594.77	\$ 1,235.90	\$ 5.80	\$ 15,223.21
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 1,748.46	\$ 307.25	\$ 9.69	\$ -	\$ -	\$ -	\$ -	\$ 13,868.72	\$ 4,941.26	\$ 23.19	\$ 35,346.57
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,477.09	\$ 234.32	\$ 15.10	\$ -	\$ -	\$ -	\$ 241.08	\$ 17,503.01	\$ -	\$ -	\$ 26,029.65
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 680.97	\$ 108.03	\$ 7.27	\$ -	\$ -	\$ -	\$ 588.80	\$ 8,069.27	\$ -	\$ -	\$ 21,230.34
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,748.28	\$ 19,049.16	\$ 3,382.11	\$ 111.94	\$ -	\$ -	\$ -	\$ -	\$ 143,137.34	\$ 59,575.57	\$ 279.62	\$ 319,300.10
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 881.85	\$ 157.69	\$ 7.43	\$ -	\$ -	\$ -	\$ 93.00	\$ 6,369.28	\$ 2,943.43	\$ 13.82	\$ 20,931.00
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 19,846.60	\$ 3,432.35	\$ -	\$ -	\$ 2,342.67	\$ -	\$ 4,986.52	\$ 170,073.24	\$ 46,961.37	\$ 220.41	\$ 486,062.74
	Grand Totals:	\$ 402,728.56	\$ 303,212.75	\$ 8,445.29	\$ 30,084.85	\$ 83,319.36	\$ 14,238.91	\$ 449.86	\$ -	\$ 6,372.92	\$ 6,316.19	\$ 9,936.94	\$ 753,127.03	\$ 168,925.08	\$ 792.85	\$ 1,787,950.59
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 83,338.60	\$ 14,245.16	\$ 616.25	\$ -	\$ 6,416.24	\$ 6,316.19	\$ 9,936.94	\$ 753,318.33	\$ 168,951.47	\$ 792.98	\$ 1,990,648.39
	Deviation:	\$ (76,039.45)	\$ (114,138.37)	\$ (4,999.73)	\$ (7,067.23)	\$ (19.24)	\$ (6.25)	\$ (166.39)	\$ -	\$ (43.32)	\$ -	\$ -	\$ (191.30)	\$ (26.39)	\$ (0.13)	\$ (202,697.80)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
October, 2014

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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 2,478.14	\$ 534.79	\$ 23.42	\$ -	\$ 210.24	\$ -	\$ 1,200.10	\$ 13,383.09	\$ 12,470.79	\$ 14.34	\$ 59,348.16
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 912.76	\$ 193.18	\$ 10.93	\$ -	\$ 98.11	\$ -	\$ 735.85	\$ 5,379.83	\$ 3,656.41	\$ 4.20	\$ 24,610.62
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 637.70	\$ 125.28	\$ 10.58	\$ -	\$ 95.16	\$ 674.83	\$ -	\$ 4,908.15	\$ 164.10	\$ 0.19	\$ 19,535.75
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 482.44	\$ 102.10	\$ 3.84	\$ -	\$ 34.50	\$ 242.42	\$ -	\$ 2,844.59	\$ 1,930.42	\$ 2.22	\$ 10,353.47
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 49.39	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 7,011.91
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 4,039.46	\$ 876.00	\$ 21.30	\$ -	\$ 191.17	\$ 1,170.50	\$ 950.08	\$ 21,308.74	\$ 21,380.61	\$ 24.59	\$ 76,376.77
12	Municipal Auditorium	\$ 5,024.24	\$ 7,853.45	\$ 343.98	\$ 950.51	\$ 424.66	\$ 92.53	\$ 11.60	\$ -	\$ 104.33	\$ -	\$ 144.37	\$ 2,189.06	\$ 2,354.02	\$ 2.71	\$ 19,495.46
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 849.78	\$ 178.09	\$ 9.99	\$ -	\$ 89.65	\$ 263.50	\$ 276.71	\$ 5,217.37	\$ 2,970.21	\$ 3.42	\$ 22,380.54
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 1,519.66	\$ 310.06	\$ 16.45	\$ -	\$ 147.39	\$ -	\$ 620.24	\$ 10,329.27	\$ 3,233.70	\$ 3.72	\$ 36,986.32
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 847.99	\$ 182.61	\$ 4.03	\$ -	\$ 36.13	\$ 221.50	\$ -	\$ 4,625.52	\$ 4,171.71	\$ 4.80	\$ 15,100.87
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 821.98	\$ 161.46	\$ 13.45	\$ -	\$ -	\$ -	\$ 261.89	\$ 6,328.94	\$ 206.34	\$ 0.24	\$ 27,626.82
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 980.80	\$ 191.65	\$ 14.82	\$ -	\$ 133.70	\$ 748.67	\$ 125.48	\$ 7,670.25	\$ -	\$ -	\$ 27,209.77
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 3,193.18	\$ 682.56	\$ 24.86	\$ -	\$ 222.94	\$ 1,391.92	\$ -	\$ 18,021.06	\$ 14,454.50	\$ 16.62	\$ 69,133.54
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 2,439.75	\$ 492.80	\$ 31.44	\$ -	\$ 282.24	\$ -	\$ -	\$ 17,173.88	\$ 3,963.44	\$ 4.56	\$ 63,392.60
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 389.52	\$ 76.11	\$ 3.62	\$ -	\$ 32.69	\$ 216.25	\$ 74.78	\$ 3,046.19	\$ -	\$ -	\$ 8,079.64
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 1,197.18	\$ 233.93	\$ 12.08	\$ -	\$ 108.96	\$ 717.00	\$ -	\$ 9,362.47	\$ -	\$ -	\$ 25,766.56
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 451.80	\$ 93.73	\$ 3.97	\$ -	\$ 35.69	\$ 174.00	\$ -	\$ 2,887.23	\$ 1,343.33	\$ 1.54	\$ 9,825.18
39	Ryman Auditorium	\$ 1,784.28	\$ 2,847.46	\$ 124.71	\$ 344.61	\$ 974.11	\$ 208.27	\$ 4.21	\$ -	\$ 37.82	\$ 168.67	\$ -	\$ 5,490.57	\$ 4,423.81	\$ 5.09	\$ 16,413.61
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 6,469.95	\$ 1,318.54	\$ 44.93	\$ -	\$ 404.17	\$ -	\$ 75.19	\$ 44,158.37	\$ 13,390.57	\$ 15.40	\$ 120,254.78
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 1,785.29	\$ 348.85	\$ 21.31	\$ -	\$ 192.29	\$ -	\$ 67.67	\$ 13,961.70	\$ -	\$ -	\$ 41,321.13
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 293.51	\$ 60.44	\$ 6.11	\$ -	\$ 54.90	\$ -	\$ 178.21	\$ 1,929.18	\$ 761.50	\$ 0.88	\$ 10,789.27
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 1,278.74	\$ 272.15	\$ 9.69	\$ -	\$ -	\$ -	\$ -	\$ 7,356.94	\$ 5,496.88	\$ 6.32	\$ 28,868.72
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,090.73	\$ 213.13	\$ 15.10	\$ -	\$ -	\$ -	\$ 254.86	\$ 8,529.96	\$ -	\$ -	\$ 16,662.83
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 431.58	\$ 84.33	\$ 7.27	\$ -	\$ -	\$ -	\$ -	\$ 3,375.14	\$ -	\$ -	\$ 15,674.32
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,748.28	\$ 10,485.55	\$ 2,276.25	\$ 111.94	\$ -	\$ -	\$ -	\$ -	\$ 55,033.94	\$ 56,079.00	\$ 64.49	\$ 217,815.53
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 730.09	\$ 157.11	\$ 7.43	\$ -	\$ -	\$ -	\$ 120.48	\$ 3,996.22	\$ 3,563.12	\$ 4.10	\$ 19,043.05
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 14,167.38	\$ 3,029.51	\$ -	\$ -	\$ 1,488.89	\$ -	\$ 6,117.62	\$ 79,815.31	\$ 64,421.93	\$ 74.09	\$ 407,314.31
	Grand Totals:	\$ 402,728.56	\$ 303,212.75	\$ 8,445.29	\$ 30,084.85	\$ 59,373.73	\$ 12,495.46	\$ 449.86	\$ -	\$ 4,050.36	\$ 6,316.19	\$ 11,203.53	\$ 358,322.97	\$ 220,436.39	\$ 253.52	\$ 1,417,373.46
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 59,398.35	\$ 12,500.00	\$ 616.25	\$ -	\$ 4,077.92	\$ 6,316.19	\$ 11,203.53	\$ 358,413.00	\$ 220,650.65	\$ 253.75	\$ 1,620,145.87
	Deviation:	\$ (76,039.45)	\$ (114,138.37)	\$ (4,999.73)	\$ (7,067.23)	\$ (24.62)	\$ (4.54)	\$ (166.39)	\$ -	\$ (27.56)	\$ -	\$ -	\$ (90.03)	\$ (214.26)	\$ (0.23)	\$ (202,772.41)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
November, 2014

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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 1,780.55	\$ 588.78	\$ 23.42	\$ -	\$ 233.06	\$ -	\$ 1,752.77	\$ 7,987.40	\$ 14,317.62	\$ 123.69	\$ 55,840.54	
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 736.03	\$ 244.56	\$ 10.93	\$ -	\$ 108.75	\$ -	\$ 851.48	\$ 3,216.64	\$ 6,447.41	\$ 55.70	\$ 25,290.85	
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 1,212.95	\$ 398.09	\$ 10.58	\$ -	\$ 105.50	\$ 674.83	\$ -	\$ 5,658.48	\$ 8,403.70	\$ 72.60	\$ 29,456.49	
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 432.02	\$ 142.21	\$ 3.84	\$ -	\$ 38.24	\$ 242.42	\$ -	\$ 1,985.27	\$ 3,180.56	\$ 27.48	\$ 10,762.98	
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 54.75	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 7,017.27	
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 2,702.51	\$ 899.10	\$ 21.30	\$ -	\$ 211.92	\$ 1,170.50	\$ 985.79	\$ 11,729.06	\$ 24,180.17	\$ 208.89	\$ 68,523.56	
12	Municipal Auditorium	\$ 5,024.24	\$ 7,853.45	\$ 343.98	\$ 950.51	\$ 712.82	\$ 254.57	\$ 11.60	\$ -	\$ 115.65	\$ -	\$ 852.70	\$ 1,832.75	\$ 14,212.30	\$ 122.78	\$ 32,287.35	
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 695.93	\$ 227.04	\$ 9.99	\$ -	\$ 99.37	\$ 263.50	\$ 397.02	\$ 3,345.44	\$ 4,207.23	\$ 36.35	\$ 21,803.69	
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 1,569.43	\$ 506.68	\$ 16.45	\$ -	\$ 163.39	\$ -	\$ -	\$ 7,930.29	\$ 7,090.68	\$ 61.26	\$ 38,144.01	
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 931.34	\$ 304.37	\$ 4.03	\$ -	\$ 40.06	\$ 221.50	\$ -	\$ 4,438.36	\$ 5,870.99	\$ 50.72	\$ 16,867.95	
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 1,019.53	\$ 339.10	\$ 13.45	\$ -	\$ -	\$ -	\$ 288.08	\$ 4,431.39	\$ 9,081.58	\$ 78.45	\$ 35,084.10	
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 764.38	\$ 239.10	\$ 14.82	\$ -	\$ 148.22	\$ 748.67	\$ 172.54	\$ 4,418.26	\$ -	\$ -	\$ 23,850.39	
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 2,642.16	\$ 876.16	\$ 24.86	\$ -	\$ 247.15	\$ 1,391.92	\$ -	\$ 11,673.64	\$ 22,357.17	\$ 193.14	\$ 70,532.10	
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 2,324.67	\$ 754.11	\$ 31.44	\$ -	\$ 312.87	\$ -	\$ 21.05	\$ 11,484.76	\$ 12,129.31	\$ 104.78	\$ 66,167.48	
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 519.06	\$ 162.36	\$ 3.62	\$ -	\$ 36.24	\$ 216.25	\$ 30.68	\$ 3,000.26	\$ -	\$ -	\$ 8,208.95	
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93	
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 968.69	\$ 303.00	\$ 12.08	\$ -	\$ 120.79	\$ 717.00	\$ -	\$ 5,599.19	\$ -	\$ -	\$ 21,855.69	
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 382.58	\$ 125.53	\$ 3.97	\$ -	\$ 39.56	\$ 174.00	\$ -	\$ 1,787.63	\$ 2,632.87	\$ 22.75	\$ 10,002.78	
39	Ryman Auditorium	\$ 1,784.28	\$ 2,847.46	\$ 124.71	\$ 344.61	\$ 699.55	\$ 230.13	\$ 4.21	\$ -	\$ 41.93	\$ 168.67	\$ -	\$ 3,223.95	\$ 5,091.91	\$ 43.99	\$ 14,605.40	
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 4,334.76	\$ 1,387.47	\$ 44.93	\$ -	\$ 448.04	\$ -	\$ 244.38	\$ 22,769.84	\$ 14,201.23	\$ 122.68	\$ 97,930.99	
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 529.57	\$ 165.65	\$ 21.31	\$ -	\$ 213.16	\$ -	\$ 56.40	\$ 3,061.01	\$ -	\$ -	\$ 28,991.12	
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 333.44	\$ 110.67	\$ 6.11	\$ -	\$ 60.86	\$ -	\$ 122.72	\$ 1,466.55	\$ 2,862.93	\$ 24.73	\$ 12,492.55	
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 991.90	\$ 323.66	\$ 9.69	\$ -	\$ -	\$ -	\$ -	\$ 4,763.75	\$ 6,024.10	\$ 52.04	\$ 26,613.14	
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 946.69	\$ 301.85	\$ 15.10	\$ -	\$ -	\$ -	\$ 335.22	\$ 5,057.49	\$ 2,575.58	\$ 22.25	\$ 15,813.23	
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 209.61	\$ 65.56	\$ 7.27	\$ -	\$ -	\$ -	\$ -	\$ 1,211.56	\$ -	\$ -	\$ 13,270.00	
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,748.28	\$ 4,369.71	\$ 1,499.77	\$ 111.94	\$ -	\$ -	\$ -	\$ -	\$ 15,632.74	\$ 59,799.59	\$ 516.60	\$ 175,694.71	
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 563.83	\$ 186.08	\$ 7.43	\$ -	\$ -	\$ -	\$ 103.57	\$ 2,555.36	\$ 4,371.85	\$ 37.77	\$ 18,290.39	
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 10,795.71	\$ 3,602.09	\$ -	\$ -	\$ 1,650.51	\$ -	\$ -	\$ 8,214.46	\$ 46,094.02	\$ 101,315.78	\$ 875.28	\$ 410,747.43
	Grand Totals:	\$ 402,728.56	\$ 303,212.75	\$ 8,445.29	\$ 30,084.85	\$ 43,169.42	\$ 14,237.69	\$ 449.86	\$ -	\$ 4,490.02	\$ 6,316.19	\$ 14,428.86	\$ 196,355.09	\$ 330,354.56	\$ 2,853.93	\$ 1,357,127.07	
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 43,188.74	\$ 14,245.16	\$ 616.25	\$ -	\$ 4,520.61	\$ 6,316.19	\$ 14,428.86	\$ 196,397.48	\$ 330,783.35	\$ 2,857.60	\$ 1,560,070.47	
	Deviation:	\$ (76,039.45)	\$ (114,138.37)	\$ (4,999.73)	\$ (7,067.23)	\$ (19.32)	\$ (7.47)	\$ (166.39)	\$ -	\$ (30.59)	\$ -	\$ -	\$ (42.39)	\$ (428.79)	\$ (3.67)	\$ (202,943.40)	

Metro Nashville District Energy System
Chilled Water and Steam Revenues
December, 2014

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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 1,249.85	\$ 606.92	\$ 23.42	\$ -	\$ 250.04	\$ -	\$ 1,752.77	\$ 9,778.90	\$ 16,289.10	\$ -	\$ 58,984.25	
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 564.43	\$ 277.08	\$ 10.93	\$ -	\$ 116.67	\$ -	\$ 840.97	\$ 4,253.41	\$ 8,489.52	\$ -	\$ 28,172.36	
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 978.04	\$ 471.58	\$ 10.58	\$ -	\$ 113.19	\$ 674.83	\$ -	\$ 7,834.22	\$ 11,478.80	\$ -	\$ 34,481.00	
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 116.20	\$ 59.94	\$ 3.84	\$ -	\$ 41.03	\$ 242.42	\$ -	\$ 718.39	\$ 2,843.04	\$ -	\$ 8,735.80	
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 58.75	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 7,021.27	
11	Sherraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 1,691.03	\$ 829.56	\$ 21.30	\$ -	\$ 227.36	\$ 1,170.50	\$ 1,278.67	\$ 12,775.06	\$ 25,212.83	\$ -	\$ 69,620.63	
12	Municipal Auditorium	\$ 5,024.24	\$ 7,853.45	\$ 343.98	\$ 950.51	\$ 424.84	\$ 238.29	\$ 11.60	\$ -	\$ 124.08	\$ -	\$ -	\$ 1,588.34	\$ 17,628.93	\$ -	\$ 34,188.26	
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 475.73	\$ 225.44	\$ 9.99	\$ -	\$ 106.61	\$ 263.50	\$ 418.08	\$ 4,024.43	\$ 4,093.86	\$ -	\$ 22,139.46	
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 1,262.85	\$ 592.38	\$ 16.45	\$ -	\$ 175.31	\$ -	\$ 312.32	\$ 11,012.16	\$ 8,574.80	\$ -	\$ 42,752.10	
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 667.42	\$ 318.66	\$ 4.03	\$ -	\$ 42.98	\$ 221.50	\$ -	\$ 5,517.11	\$ 6,641.76	\$ -	\$ 18,420.04	
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 746.09	\$ 364.90	\$ 13.45	\$ -	\$ -	\$ -	\$ 235.70	\$ 5,696.29	\$ 10,706.97	\$ -	\$ 37,595.92	
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 480.74	\$ 216.87	\$ 14.82	\$ -	\$ 159.01	\$ 748.67	\$ 101.96	\$ 4,660.64	\$ -	\$ -	\$ 23,727.11	
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 1,740.85	\$ 853.32	\$ 24.86	\$ -	\$ 265.15	\$ 1,391.92	\$ -	\$ 13,188.01	\$ 25,700.86	\$ -	\$ 74,290.87	
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 1,440.17	\$ 681.93	\$ 31.44	\$ -	\$ 335.67	\$ -	\$ 105.27	\$ 12,213.25	\$ 12,183.47	\$ -	\$ 65,995.69	
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 350.16	\$ 157.96	\$ 3.62	\$ -	\$ 38.88	\$ 216.25	\$ 36.43	\$ 3,394.66	\$ -	\$ -	\$ 8,438.44	
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93	
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 664.52	\$ 299.78	\$ 12.08	\$ -	\$ 129.59	\$ 717.00	\$ 19.17	\$ 6,442.28	\$ -	\$ -	\$ 22,419.36	
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 255.04	\$ 122.28	\$ 3.97	\$ -	\$ 42.45	\$ 174.00	\$ 3.16	\$ 2,080.45	\$ 2,731.47	\$ -	\$ 10,246.71	
39	Ryman Auditorium	\$ 1,784.28	\$ 2,847.46	\$ 124.71	\$ 344.61	\$ 479.00	\$ 231.21	\$ 4.21	\$ -	\$ 44.98	\$ 168.67	\$ -	\$ 3,823.08	\$ 5,717.54	\$ -	\$ 15,569.75	
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 2,824.55	\$ 1,304.28	\$ 44.93	\$ -	\$ 480.68	\$ -	\$ 319.57	\$ 25,751.78	\$ 11,365.00	\$ -	\$ 96,468.45	
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 308.36	\$ 139.11	\$ 21.31	\$ -	\$ 228.68	\$ -	\$ 327.09	\$ 2,989.44	\$ -	\$ -	\$ 28,958.01	
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 140.42	\$ 71.26	\$ 6.11	\$ -	\$ 65.30	\$ -	\$ 115.05	\$ 931.78	\$ 2,992.65	\$ -	\$ 11,827.11	
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 756.83	\$ 360.46	\$ 9.69	\$ -	\$ -	\$ -	\$ -	\$ 6,304.15	\$ 7,197.71	\$ -	\$ 29,076.84	
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,213.71	\$ 569.02	\$ 15.10	\$ -	\$ -	\$ -	\$ 259.45	\$ 10,600.16	\$ 8,126.21	\$ -	\$ 27,342.70	
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 148.31	\$ 66.91	\$ 7.27	\$ -	\$ -	\$ -	\$ 1,265.92	\$ 1,437.83	\$ -	\$ -	\$ 14,702.24	
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,748.28	\$ 2,538.51	\$ 1,325.56	\$ 111.94	\$ -	\$ -	\$ -	\$ -	\$ 14,822.67	\$ 68,188.96	\$ -	\$ 180,752.00	
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 391.16	\$ 189.90	\$ 7.43	\$ -	\$ -	\$ -	\$ 179.67	\$ 3,062.92	\$ 5,081.23	\$ -	\$ 19,376.81	
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 7,394.97	\$ 3,661.89	\$ -	\$ -	\$ 1,770.78	\$ -	\$ -	\$ 8,285.00	\$ 54,011.52	\$ 123,179.85	\$ -	\$ 436,503.59
	Grand Totals:	\$ 402,728.56	\$ 303,212.75	\$ 8,445.29	\$ 30,084.85	\$ 29,303.78	\$ 14,236.49	\$ 449.86	\$ -	\$ 4,817.19	\$ 6,316.19	\$ 15,856.25	\$ 228,912.93	\$ 384,424.56	\$ -	\$ 1,428,788.70	
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 29,320.57	\$ 14,245.16	\$ 616.25	\$ -	\$ 4,849.86	\$ 6,316.19	\$ 15,856.25	\$ 228,963.56	\$ 385,205.41	\$ -	\$ 1,632,089.48	
	Deviation:	\$ (76,039.45)	\$ (114,138.37)	\$ (4,999.73)	\$ (7,067.23)	\$ (16.79)	\$ (8.67)	\$ (166.39)	\$ -	\$ (32.67)	\$ -	\$ -	\$ (50.63)	\$ (780.85)	\$ -	\$ (203,300.78)	

Metro Nashville District Energy System
Chilled Water and Steam Revenues
January, 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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 1,020.45	\$ 455.00	\$ 23.42	\$ -	\$ 250.55	\$ -	\$ 1,555.39	\$ 7,961.41	\$ 13,074.87	\$ 3,707.51	\$ 57,081.85
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 569.87	\$ 254.09	\$ 10.93	\$ -	\$ 116.91	\$ -	\$ 840.97	\$ 4,396.18	\$ 7,546.56	\$ 2,139.90	\$ 29,494.76
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 978.69	\$ 436.37	\$ 10.58	\$ -	\$ 113.41	\$ 674.83	\$ 169.56	\$ 8,124.62	\$ 10,133.83	\$ 2,873.55	\$ 36,435.20
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 156.34	\$ 69.71	\$ 3.84	\$ -	\$ 41.11	\$ 242.42	\$ -	\$ 1,094.40	\$ 2,619.92	\$ 742.90	\$ 9,681.58
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 58.86	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 7,021.38
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 1,599.57	\$ 713.21	\$ 21.30	\$ -	\$ 227.83	\$ 1,170.50	\$ 1,278.67	\$ 11,944.04	\$ 23,129.87	\$ 6,558.71	\$ 73,058.02
12	Municipal Auditorium	\$ 5,024.24	\$ 7,853.45	\$ 343.98	\$ 950.51	\$ 416.14	\$ 185.55	\$ 11.60	\$ -	\$ 124.33	\$ -	\$ -	\$ 1,133.11	\$ 15,729.63	\$ 4,460.30	\$ 36,232.84
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 354.44	\$ 158.04	\$ 9.99	\$ -	\$ 106.83	\$ 263.50	\$ 499.29	\$ 3,149.57	\$ 2,650.85	\$ 751.68	\$ 20,466.01
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 1,140.21	\$ 508.39	\$ 16.45	\$ -	\$ 175.66	\$ -	\$ 61.58	\$ 10,422.40	\$ 7,098.83	\$ 2,012.95	\$ 42,242.30
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 623.37	\$ 277.95	\$ 4.03	\$ -	\$ 43.06	\$ 221.50	\$ -	\$ 5,344.88	\$ 5,618.74	\$ 1,593.25	\$ 18,733.36
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 824.13	\$ 367.46	\$ 13.45	\$ -	\$ -	\$ -	\$ 65.47	\$ 6,310.70	\$ 11,145.09	\$ 3,160.30	\$ 41,719.12
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 410.12	\$ 182.86	\$ 14.82	\$ -	\$ 159.34	\$ 748.67	\$ 39.21	\$ 4,267.84	\$ -	\$ -	\$ 23,167.26
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 1,745.96	\$ 778.48	\$ 24.86	\$ -	\$ 265.69	\$ 1,391.92	\$ -	\$ 13,239.00	\$ 24,253.49	\$ 6,877.33	\$ 79,702.63
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 1,959.52	\$ 873.71	\$ 31.44	\$ -	\$ 336.36	\$ -	\$ -	\$ 16,554.78	\$ 18,874.37	\$ 5,352.02	\$ 82,986.69
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 394.75	\$ 176.01	\$ 3.62	\$ -	\$ 38.96	\$ 216.25	\$ 4.99	\$ 4,107.86	\$ -	\$ -	\$ 9,182.92
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 581.49	\$ 259.28	\$ 12.08	\$ -	\$ 129.85	\$ 717.00	\$ 19.17	\$ 6,051.20	\$ -	\$ -	\$ 21,905.01
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 249.71	\$ 111.34	\$ 3.97	\$ -	\$ 42.53	\$ 174.00	\$ -	\$ 2,065.80	\$ 2,621.32	\$ 743.30	\$ 10,845.86
39	Ryman Auditorium	\$ 1,784.28	\$ 2,847.46	\$ 124.71	\$ 344.61	\$ 391.37	\$ 174.50	\$ 4.21	\$ -	\$ 45.08	\$ 168.67	\$ -	\$ 3,035.95	\$ 5,100.16	\$ 1,446.20	\$ 15,467.20
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 2,023.85	\$ 902.40	\$ 44.93	\$ -	\$ 481.67	\$ -	\$ 526.36	\$ 19,300.17	\$ 8,661.65	\$ 2,456.10	\$ 88,774.79
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 143.57	\$ 64.02	\$ 21.31	\$ -	\$ 229.16	\$ -	\$ -	\$ 1,494.09	\$ -	\$ -	\$ 26,896.17
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 60.34	\$ 26.90	\$ 6.11	\$ -	\$ 65.43	\$ -	\$ -	\$ 93.52	\$ 2,629.03	\$ 745.49	\$ 11,131.36
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 678.13	\$ 302.36	\$ 9.69	\$ -	\$ -	\$ -	\$ -	\$ 5,703.17	\$ 6,659.65	\$ 1,888.41	\$ 29,689.41
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 1,009.86	\$ 450.28	\$ 15.10	\$ -	\$ -	\$ -	\$ 153.83	\$ 9,195.95	\$ 6,459.30	\$ 1,831.60	\$ 25,674.97
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 123.81	\$ 55.20	\$ 7.27	\$ -	\$ -	\$ -	\$ 1,254.14	\$ 1,288.36	\$ -	\$ -	\$ 14,504.78
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,748.28	\$ 2,744.59	\$ 1,223.74	\$ 111.94	\$ -	\$ -	\$ -	\$ -	\$ 15,161.56	\$ 65,919.80	\$ 18,692.24	\$ 197,618.23
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 312.62	\$ 139.39	\$ 7.43	\$ -	\$ -	\$ -	\$ 219.83	\$ 2,329.49	\$ 4,544.37	\$ 1,288.60	\$ 19,306.23
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 7,504.35	\$ 3,345.97	\$ -	\$ -	\$ 1,774.41	\$ -	\$ 7,546.67	\$ 53,441.01	\$ 121,274.91	\$ 34,388.74	\$ 467,475.64
	Grand Totals:	\$ 402,728.56	\$ 303,212.75	\$ 8,445.29	\$ 30,084.85	\$ 28,017.25	\$ 12,492.21	\$ 449.86	\$ -	\$ 4,827.03	\$ 6,316.19	\$ 14,235.13	\$ 217,211.06	\$ 365,746.24	\$ 103,711.08	\$ 1,497,477.50
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 28,035.37	\$ 12,500.00	\$ 616.25	\$ -	\$ 4,859.84	\$ 6,316.19	\$ 14,235.13	\$ 217,256.95	\$ 366,448.51	\$ 103,910.24	\$ 1,700,894.71
	Deviation:	\$ (76,039.45)	\$ (114,138.37)	\$ (4,999.73)	\$ (7,067.23)	\$ (18.12)	\$ (7.79)	\$ (166.39)	\$ -	\$ (32.81)	\$ -	\$ -	\$ (45.89)	\$ (702.27)	\$ (199.16)	\$ (203,417.21)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
February, 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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 788.65	\$ 463.63	\$ 23.41	\$ -	\$ 262.03	\$ -	\$ 1,097.46	\$ 6,353.62	\$ 12,210.20	\$ 3,464.19	\$ 53,696.44
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 518.98	\$ 305.10	\$ 10.92	\$ -	\$ 122.27	\$ -	\$ 553.64	\$ 4,346.40	\$ 7,067.99	\$ 2,005.28	\$ 28,549.93
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 907.44	\$ 533.47	\$ 10.58	\$ -	\$ 118.61	\$ 674.83	\$ 322.58	\$ 7,977.84	\$ 10,147.11	\$ 2,878.86	\$ 36,491.08
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 158.88	\$ 93.41	\$ 3.84	\$ -	\$ 43.00	\$ 242.42	\$ -	\$ 1,242.01	\$ 2,682.03	\$ 760.93	\$ 9,937.46
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 61.56	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 7,024.08
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 1,216.52	\$ 715.16	\$ 21.29	\$ -	\$ 238.26	\$ 1,170.50	\$ 50.00	\$ 9,496.70	\$ 20,612.29	\$ 5,847.97	\$ 65,783.01
12	Municipal Auditorium	\$ 5,113.82	\$ 7,956.52	\$ 348.50	\$ 963.00	\$ 350.78	\$ 206.21	\$ 11.75	\$ -	\$ 131.74	\$ -	\$ -	\$ 1,209.60	\$ 14,884.52	\$ 4,222.93	\$ 35,399.37
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 314.78	\$ 185.06	\$ 9.98	\$ -	\$ 111.73	\$ 263.50	\$ 481.24	\$ 2,782.39	\$ 3,432.40	\$ 973.82	\$ 21,076.72
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 959.97	\$ 564.35	\$ 16.43	\$ -	\$ 183.71	\$ -	\$ -	\$ 9,189.23	\$ 6,350.94	\$ 1,801.84	\$ 39,872.30
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 545.15	\$ 320.49	\$ 4.03	\$ -	\$ 45.04	\$ 221.50	\$ -	\$ 4,906.96	\$ 5,427.72	\$ 1,539.91	\$ 18,017.38
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 666.37	\$ 391.75	\$ 13.44	\$ -	\$ -	\$ -	\$ 157.13	\$ 5,263.99	\$ 10,928.06	\$ 3,100.43	\$ 40,353.69
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 305.23	\$ 179.44	\$ 14.82	\$ -	\$ 166.64	\$ 748.67	\$ 70.58	\$ 3,267.07	\$ -	\$ -	\$ 22,096.85
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 1,522.75	\$ 895.20	\$ 24.84	\$ -	\$ 277.86	\$ 1,391.92	\$ -	\$ 12,114.90	\$ 24,470.03	\$ 6,942.46	\$ 78,765.86
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 1,681.63	\$ 988.59	\$ 31.42	\$ -	\$ 351.76	\$ -	\$ -	\$ 14,506.22	\$ 20,429.80	\$ 5,796.19	\$ 82,790.10
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 360.56	\$ 211.97	\$ 3.62	\$ -	\$ 40.74	\$ 216.25	\$ -	\$ 3,859.26	\$ -	\$ -	\$ 8,932.88
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 469.14	\$ 275.80	\$ 12.08	\$ -	\$ 135.80	\$ 717.00	\$ 19.17	\$ 5,021.50	\$ -	\$ -	\$ 20,785.43
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 210.97	\$ 124.02	\$ 3.96	\$ -	\$ 44.48	\$ 174.00	\$ -	\$ 1,902.05	\$ 2,082.40	\$ 590.80	\$ 9,966.57
39	Ryman Auditorium	\$ 1,849.13	\$ 2,922.08	\$ 127.99	\$ 353.65	\$ 228.07	\$ 134.07	\$ 4.32	\$ -	\$ 48.38	\$ 168.67	\$ -	\$ 1,676.55	\$ 4,471.76	\$ 1,268.70	\$ 13,253.37
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 1,717.84	\$ 1,009.89	\$ 44.91	\$ -	\$ 503.73	\$ -	\$ 789.54	\$ 16,538.15	\$ 10,813.02	\$ 3,067.79	\$ 88,862.53
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 132.90	\$ 78.13	\$ 21.31	\$ -	\$ 239.66	\$ -	\$ -	\$ 1,422.53	\$ -	\$ -	\$ 26,838.55
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 54.25	\$ 31.89	\$ 6.10	\$ -	\$ 68.42	\$ -	\$ -	\$ 117.83	\$ 2,707.17	\$ 768.06	\$ 11,258.26
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 634.25	\$ 372.85	\$ 9.68	\$ -	\$ -	\$ -	\$ -	\$ 5,599.96	\$ 6,952.12	\$ 1,972.40	\$ 29,989.26
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 769.91	\$ 452.61	\$ 15.09	\$ -	\$ -	\$ -	\$ 144.65	\$ 7,271.27	\$ 5,670.22	\$ 1,608.71	\$ 22,491.51
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 96.65	\$ 56.82	\$ 7.27	\$ -	\$ -	\$ -	\$ 1,283.58	\$ 1,034.51	\$ -	\$ -	\$ 14,254.83
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,745.75	\$ 2,464.28	\$ 1,448.68	\$ 111.89	\$ -	\$ -	\$ -	\$ -	\$ 14,436.33	\$ 69,832.22	\$ 19,812.29	\$ 201,867.52
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 240.37	\$ 141.30	\$ 7.42	\$ -	\$ -	\$ -	\$ 259.99	\$ 1,851.57	\$ 4,218.03	\$ 1,196.71	\$ 18,379.89
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 6,903.54	\$ 4,058.42	\$ -	\$ -	\$ 1,855.66	\$ -	\$ 6,272.37	\$ 53,914.77	\$ 116,839.06	\$ 33,148.74	\$ 461,192.14
Grand Totals:		\$ 402,882.99	\$ 303,390.44	\$ 8,453.09	\$ 30,103.85	\$ 24,219.86	\$ 14,238.31	\$ 449.89	\$ -	\$ 5,051.08	\$ 6,316.19	\$ 11,501.93	\$ 197,303.21	\$ 362,229.09	\$ 102,769.01	\$ 1,468,908.94
Rate Calculation Totals:		\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 24,232.17	\$ 14,245.16	\$ 616.25	\$ -	\$ 5,082.53	\$ 6,316.19	\$ 11,501.93	\$ 197,347.29	\$ 362,741.52	\$ 102,914.38	\$ 1,671,713.65
Deviation:		\$ (75,885.02)	\$ (113,960.68)	\$ (4,991.93)	\$ (7,048.23)	\$ (12.31)	\$ (6.85)	\$ (166.36)	\$ -	\$ (31.45)	\$ -	\$ -	\$ (44.08)	\$ (512.43)	\$ (145.37)	\$ (202,804.71)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
March, 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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 859.56	\$ 544.72	\$ 23.41	\$ -	\$ 33.57	\$ -	\$ 829.01	\$ 8,606.98	\$ 10,820.59	\$ 300.07	\$ 51,051.16
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 467.23	\$ 296.09	\$ 10.92	\$ -	\$ 15.66	\$ -	\$ 483.56	\$ 4,818.03	\$ 5,508.01	\$ 152.74	\$ 25,371.59
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 728.16	\$ 461.45	\$ 10.58	\$ -	\$ 15.20	\$ 674.83	\$ -	\$ 7,937.39	\$ 7,437.10	\$ 206.24	\$ 30,390.71
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 147.18	\$ 93.27	\$ 3.84	\$ -	\$ 5.51	\$ 242.42	\$ -	\$ 1,393.62	\$ 2,067.25	\$ 57.33	\$ 8,721.36
10	401 Union Building	\$ 2,330.83	\$ 3,718.11	\$ 162.84	\$ 449.99	\$ -	\$ -	\$ 5.49	\$ -	\$ 7.89	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 6,970.41
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 1,190.48	\$ 754.43	\$ 21.29	\$ -	\$ 30.52	\$ 1,170.50	\$ -	\$ 11,225.31	\$ 16,846.84	\$ 467.18	\$ 58,120.87
12	Municipal Auditorium	\$ 5,113.82	\$ 7,956.52	\$ 348.50	\$ 963.00	\$ 320.26	\$ 202.95	\$ 11.75	\$ -	\$ 16.88	\$ -	\$ 748.93	\$ 1,850.59	\$ 7,660.85	\$ 212.44	\$ 25,406.49
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 361.77	\$ 229.26	\$ 9.98	\$ -	\$ 14.31	\$ 263.50	\$ 445.15	\$ 4,375.29	\$ 2,539.51	\$ 70.42	\$ 20,831.01
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 890.42	\$ 564.28	\$ 16.43	\$ -	\$ 23.53	\$ -	\$ 131.97	\$ 10,759.70	\$ 6,274.92	\$ 174.01	\$ 39,641.09
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 335.22	\$ 212.44	\$ 4.03	\$ -	\$ 5.77	\$ 221.50	\$ 77.64	\$ 3,619.63	\$ 3,516.13	\$ 97.51	\$ 13,096.45
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 635.57	\$ 402.77	\$ 13.44	\$ -	\$ -	\$ -	\$ 58.92	\$ 6,881.75	\$ 6,615.76	\$ 183.46	\$ 34,624.19
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 428.42	\$ 271.50	\$ 14.82	\$ -	\$ 21.34	\$ 748.67	\$ -	\$ 6,305.14	\$ -	\$ -	\$ 25,134.29
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 1,578.15	\$ 1,000.10	\$ 24.84	\$ -	\$ 35.59	\$ 1,391.92	\$ -	\$ 15,331.96	\$ 21,125.44	\$ 585.83	\$ 72,199.73
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 1,418.39	\$ 898.85	\$ 31.42	\$ -	\$ 45.06	\$ -	\$ -	\$ 16,627.03	\$ 11,367.02	\$ 315.22	\$ 69,707.48
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 345.78	\$ 219.13	\$ 3.62	\$ -	\$ 5.22	\$ 216.25	\$ 3.83	\$ 5,088.89	\$ -	\$ -	\$ 10,123.20
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 533.25	\$ 337.93	\$ 12.08	\$ -	\$ 17.39	\$ 717.00	\$ -	\$ 7,847.86	\$ -	\$ -	\$ 23,600.45
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 225.74	\$ 143.04	\$ 3.96	\$ -	\$ 5.70	\$ 174.00	\$ -	\$ 2,600.99	\$ 1,929.83	\$ 53.52	\$ 9,970.67
39	Ryman Auditorium	\$ 1,849.13	\$ 2,922.08	\$ 127.99	\$ 353.65	\$ 385.05	\$ 244.01	\$ 4.32	\$ -	\$ 6.20	\$ 168.67	\$ -	\$ 4,013.67	\$ 4,424.16	\$ 122.69	\$ 14,621.62
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 2,422.93	\$ 1,535.45	\$ 44.91	\$ -	\$ 64.52	\$ -	\$ 187.99	\$ 32,163.33	\$ 9,353.69	\$ 259.39	\$ 100,409.87
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 289.57	\$ 183.50	\$ 21.31	\$ -	\$ 30.70	\$ -	\$ 552.68	\$ 4,261.58	\$ -	\$ -	\$ 30,283.36
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 41.84	\$ 26.51	\$ 6.10	\$ -	\$ 8.76	\$ -	\$ -	\$ 59.86	\$ 1,487.52	\$ 41.25	\$ 9,176.38
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 514.93	\$ 326.31	\$ 9.68	\$ -	\$ -	\$ -	\$ -	\$ 5,651.23	\$ 5,157.16	\$ 143.01	\$ 26,250.32
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 801.18	\$ 507.72	\$ 15.09	\$ -	\$ -	\$ -	\$ 110.21	\$ 10,149.71	\$ 4,392.71	\$ 121.81	\$ 22,657.48
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 137.76	\$ 87.30	\$ 7.27	\$ -	\$ -	\$ -	\$ 1,024.51	\$ 2,027.47	\$ -	\$ -	\$ 15,060.31
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,745.75	\$ 3,231.22	\$ 2,047.66	\$ 111.89	\$ -	\$ -	\$ -	\$ -	\$ 29,012.99	\$ 49,619.05	\$ 1,375.99	\$ 179,160.63
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 249.89	\$ 158.36	\$ 7.42	\$ -	\$ -	\$ -	\$ 219.83	\$ 2,321.82	\$ 3,628.59	\$ 100.62	\$ 17,151.03
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 6,679.27	\$ 4,232.73	\$ -	\$ -	\$ 237.70	\$ -	\$ 6,779.23	\$ 65,798.72	\$ 86,977.27	\$ 2,411.95	\$ 411,316.45
	Grand Totals:	\$ 402,882.99	\$ 303,390.44	\$ 8,453.09	\$ 30,103.85	\$ 25,219.22	\$ 15,981.76	\$ 449.89	\$ -	\$ 647.02	\$ 6,316.19	\$ 11,653.46	\$ 270,730.54	\$ 268,749.40	\$ 7,452.68	\$ 1,352,030.53
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 25,232.93	\$ 15,990.32	\$ 616.25	\$ -	\$ 651.00	\$ 6,316.19	\$ 11,653.46	\$ 270,780.15	\$ 269,156.42	\$ 7,463.99	\$ 1,554,576.94
	Deviation:	\$ (75,885.02)	\$ (113,960.68)	\$ (4,991.93)	\$ (7,048.23)	\$ (13.71)	\$ (8.56)	\$ (166.36)	\$ -	\$ (3.98)	\$ -	\$ -	\$ (49.61)	\$ (407.02)	\$ (11.31)	\$ (202,546.41)

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

Customer Number	Customer Name	Capacity	Operating	EDS Improvement	Metro Incremental	Water And Sewer	Chemical Treatment	Engineering	Insurance	EDS Electricity	EDS Maint Costs Alloc	TTFs	Electricity	Natural Gas	Propane	Total
2	A. A. Birch	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 1,473.19	\$ 569.99	\$ 23.46	\$ 1,134.64	\$ 231.99	\$ -	\$ 1,010.61	\$ 12,118.61	\$ 9,829.04	\$ 222.07	\$ 55,646.85
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 554.21	\$ 214.42	\$ 10.94	\$ 529.61	\$ 108.26	\$ -	\$ 448.52	\$ 4,797.44	\$ 3,372.57	\$ 76.20	\$ 23,731.52
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 748.46	\$ 289.59	\$ 10.61	\$ 513.15	\$ 105.02	\$ 674.83	\$ -	\$ 6,827.91	\$ 4,079.25	\$ 92.16	\$ 26,260.74
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 210.32	\$ 81.37	\$ 3.85	\$ 186.06	\$ 38.07	\$ 242.42	\$ -	\$ 1,700.45	\$ 1,443.75	\$ 32.62	\$ 8,649.85
10	401 Union Building	\$ 1,749.05	\$ 2,675.70	\$ 117.20	\$ 323.85	\$ -	\$ -	\$ 3.97	\$ 191.76	\$ 39.23	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,396.02
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 1,446.97	\$ 559.84	\$ 21.33	\$ 1,031.76	\$ 210.96	\$ 1,170.50	\$ -	\$ 11,131.12	\$ 10,706.10	\$ 241.88	\$ 52,934.78
12	Municipal Auditorium	\$ 5,113.82	\$ 7,956.52	\$ 348.50	\$ 963.00	\$ 82.46	\$ 31.91	\$ 11.78	\$ 570.00	\$ 116.64	\$ -	\$ -	\$ 812.69	\$ 366.97	\$ 8.29	\$ 16,382.58
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 413.29	\$ 159.91	\$ 10.00	\$ 484.10	\$ 98.92	\$ 263.50	\$ 436.13	\$ 4,605.13	\$ 1,114.77	\$ 25.19	\$ 20,132.76
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 835.61	\$ 323.32	\$ 16.46	\$ 796.44	\$ 162.64	\$ -	\$ 307.92	\$ 9,007.94	\$ 2,666.67	\$ 60.25	\$ 34,983.08
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 332.53	\$ 128.66	\$ 4.03	\$ 195.05	\$ 39.88	\$ 221.50	\$ 102.64	\$ 2,839.30	\$ 2,077.01	\$ 46.93	\$ 10,994.11
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 628.82	\$ 243.30	\$ 13.47	\$ 651.66	\$ -	\$ -	\$ 30.12	\$ 6,690.20	\$ 2,127.19	\$ 48.06	\$ 30,265.34
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 572.49	\$ 221.51	\$ 14.87	\$ 719.22	\$ 147.54	\$ 748.67	\$ -	\$ 7,511.92	\$ -	\$ -	\$ 27,280.62
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 2,091.48	\$ 809.20	\$ 24.89	\$ 1,203.91	\$ 246.01	\$ 1,391.92	\$ -	\$ 15,850.56	\$ 15,799.93	\$ 356.97	\$ 68,900.77
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 1,137.76	\$ 440.22	\$ 31.49	\$ 1,523.26	\$ 311.44	\$ -	\$ -	\$ 12,776.56	\$ 2,933.63	\$ 66.28	\$ 58,225.13
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 247.87	\$ 95.91	\$ 3.64	\$ 175.84	\$ 36.07	\$ 216.25	\$ 109.29	\$ 3,252.38	\$ -	\$ -	\$ 8,377.73
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 650.94	\$ 251.87	\$ 12.12	\$ 586.13	\$ 120.24	\$ 717.00	\$ -	\$ 8,541.40	\$ -	\$ -	\$ 25,014.64
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 314.50	\$ 121.68	\$ 3.97	\$ 192.41	\$ 39.39	\$ 174.00	\$ -	\$ 3,106.89	\$ 1,390.02	\$ 31.40	\$ 10,208.15
39	Ryman Auditorium	\$ 1,849.13	\$ 2,922.08	\$ 127.99	\$ 353.65	\$ 663.95	\$ 256.89	\$ 4.33	\$ 209.27	\$ 42.84	\$ 168.67	\$ -	\$ 5,715.24	\$ 4,084.30	\$ 92.28	\$ 16,490.62
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 3,478.73	\$ 1,346.01	\$ 45.03	\$ 2,178.22	\$ 446.00	\$ -	\$ -	\$ 40,082.17	\$ 7,583.33	\$ 171.33	\$ 109,708.48
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 475.70	\$ 184.07	\$ 21.38	\$ 1,034.35	\$ 212.19	\$ -	\$ 281.98	\$ 6,241.97	\$ -	\$ -	\$ 33,395.66
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 39.51	\$ 15.29	\$ 6.12	\$ 296.13	\$ 60.58	\$ -	\$ 572.98	\$ 479.66	\$ 52.84	\$ 1.19	\$ 9,028.84
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 673.72	\$ 260.67	\$ 9.71	\$ 469.74	\$ -	\$ -	\$ -	\$ 5,872.94	\$ 4,044.22	\$ 91.37	\$ 25,870.37
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 769.64	\$ 297.79	\$ 15.13	\$ 731.85	\$ -	\$ -	\$ 96.43	\$ 9,500.78	\$ 815.05	\$ 18.41	\$ 18,804.13
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 249.55	\$ 96.56	\$ 7.30	\$ 353.06	\$ -	\$ -	\$ 798.41	\$ 3,274.51	\$ -	\$ -	\$ 16,555.39
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,763.54	\$ 5,617.51	\$ 2,173.44	\$ 112.18	\$ 5,426.55	\$ -	\$ -	\$ -	\$ 48,105.44	\$ 34,896.76	\$ 788.42	\$ 190,899.92
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 420.54	\$ 162.71	\$ 7.43	\$ 359.83	\$ -	\$ -	\$ 164.87	\$ 3,149.96	\$ 3,227.55	\$ 72.92	\$ 18,030.31
51	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 8,166.19	\$ 3,159.55	\$ -	\$ 8,036.01	\$ 1,642.98	\$ -	\$ 6,130.30	\$ 68,775.97	\$ 52,303.91	\$ 1,181.69	\$ 387,596.18
	Grand Totals:	\$ 402,301.21	\$ 302,348.03	\$ 8,407.45	\$ 29,995.50	\$ 32,295.94	\$ 12,495.68	\$ 449.49	\$ 29,780.01	\$ 4,456.89	\$ 6,316.19	\$ 10,490.20	\$ 302,769.14	\$ 164,914.86	\$ 3,725.91	\$ 1,310,746.50
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 32,311.99	\$ 12,500.00	\$ 616.25	\$ 29,808.02	\$ 4,500.00	\$ 6,316.19	\$ 10,490.20	\$ 302,845.49	\$ 165,097.51	\$ 3,730.04	\$ 1,514,931.92
	Deviation:	\$ (76,466.80)	\$ (115,003.09)	\$ (5,037.57)	\$ (7,156.58)	\$ (16.05)	\$ (4.32)	\$ (166.76)	\$ (28.01)	\$ (43.11)	\$ -	\$ -	\$ (76.35)	\$ (182.65)	\$ (4.13)	\$ (204,185.42)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
May, 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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 1,889.44	\$ 640.47	\$ 23.46	\$ -	\$ 249.78	\$ -	\$ 947.45	\$ 14,857.05	\$ 7,680.30	\$ 91.18	\$ 55,412.38
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 588.78	\$ 199.58	\$ 10.94	\$ -	\$ 116.55	\$ -	\$ 525.61	\$ 5,603.33	\$ 1,571.40	\$ 18.66	\$ 22,254.20
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 564.93	\$ 191.50	\$ 10.61	\$ -	\$ 113.06	\$ 674.83	\$ -	\$ 6,644.16	\$ 437.57	\$ 5.19	\$ 21,561.61
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 245.97	\$ 83.38	\$ 3.85	\$ -	\$ 40.99	\$ 242.42	\$ -	\$ 2,332.25	\$ 663.79	\$ 7.88	\$ 8,331.47
10	401 Union Building	\$ 1,749.05	\$ 2,675.70	\$ 117.20	\$ 323.85	\$ -	\$ -	\$ 3.97	\$ -	\$ 42.23	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,207.26
11	Sherraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 2,146.17	\$ 727.49	\$ 21.33	\$ -	\$ 227.12	\$ 1,170.50	\$ -	\$ 15,646.30	\$ 9,761.75	\$ 115.89	\$ 56,230.87
12	Municipal Auditorium	\$ 5,113.82	\$ 7,956.52	\$ 348.50	\$ 963.00	\$ 238.04	\$ 80.69	\$ 11.78	\$ -	\$ 125.58	\$ -	\$ -	\$ 2,490.03	\$ 445.68	\$ 5.29	\$ 17,778.93
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 589.16	\$ 199.72	\$ 10.00	\$ -	\$ 106.50	\$ 263.50	\$ 345.89	\$ 6,319.45	\$ 971.02	\$ 11.53	\$ 21,338.59
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 973.96	\$ 330.15	\$ 16.46	\$ -	\$ 175.11	\$ -	\$ 228.74	\$ 9,780.94	\$ 2,167.30	\$ 25.73	\$ 34,504.22
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 407.05	\$ 137.98	\$ 4.03	\$ -	\$ 42.93	\$ 221.50	\$ 90.80	\$ 3,276.92	\$ 1,590.26	\$ 18.88	\$ 10,796.93
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 651.73	\$ 220.92	\$ 13.47	\$ -	\$ -	\$ -	\$ 13.09	\$ 8,263.02	\$ -	\$ -	\$ 28,994.75
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 759.17	\$ 257.34	\$ 14.87	\$ -	\$ 158.85	\$ 748.67	\$ -	\$ 9,625.24	\$ -	\$ -	\$ 28,908.54
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 2,779.31	\$ 942.12	\$ 24.89	\$ -	\$ 264.87	\$ 1,391.92	\$ -	\$ 20,652.42	\$ 12,312.09	\$ 146.17	\$ 69,639.69
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 1,868.81	\$ 633.48	\$ 31.49	\$ -	\$ 335.32	\$ -	\$ -	\$ 17,390.83	\$ 5,320.65	\$ 63.17	\$ 64,648.24
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 274.08	\$ 92.91	\$ 3.64	\$ -	\$ 38.84	\$ 216.25	\$ 128.47	\$ 3,474.94	\$ -	\$ -	\$ 8,469.61
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 870.28	\$ 295.01	\$ 12.12	\$ -	\$ 129.45	\$ 717.00	\$ -	\$ 11,033.94	\$ -	\$ -	\$ 27,192.74
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 386.14	\$ 130.89	\$ 3.97	\$ -	\$ 42.40	\$ 174.00	\$ -	\$ 3,937.40	\$ 808.94	\$ 9.60	\$ 10,327.23
39	Ryman Auditorium	\$ 1,849.13	\$ 2,922.08	\$ 127.99	\$ 353.65	\$ 892.99	\$ 302.70	\$ 4.33	\$ -	\$ 46.12	\$ 168.67	\$ -	\$ 7,042.06	\$ 3,612.77	\$ 42.89	\$ 17,365.38
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 2,086.66	\$ 707.33	\$ 45.03	\$ -	\$ 480.17	\$ -	\$ -	\$ 25,258.58	\$ 1,010.68	\$ 12.00	\$ 83,978.11
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 1,429.46	\$ 484.56	\$ 21.38	\$ -	\$ 228.44	\$ -	\$ 281.98	\$ 18,123.50	\$ -	\$ -	\$ 45,513.34
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 100.52	\$ 34.07	\$ 6.12	\$ -	\$ 65.23	\$ -	\$ 539.14	\$ 1,206.83	\$ 57.04	\$ 0.68	\$ 9,514.17
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 916.80	\$ 310.77	\$ 9.71	\$ -	\$ -	\$ -	\$ -	\$ 7,375.18	\$ 3,586.28	\$ 42.58	\$ 26,689.32
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 780.47	\$ 264.56	\$ 15.13	\$ -	\$ -	\$ -	\$ 94.14	\$ 9,887.76	\$ 6.31	\$ 0.07	\$ 17,607.49
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 423.53	\$ 143.57	\$ 7.30	\$ -	\$ -	\$ -	\$ 447.49	\$ 5,369.76	\$ -	\$ -	\$ 18,167.65
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,763.54	\$ 8,087.74	\$ 2,741.54	\$ 112.18	\$ -	\$ -	\$ -	\$ -	\$ 63,238.23	\$ 33,177.13	\$ 393.89	\$ 201,530.33
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 622.91	\$ 211.15	\$ 7.43	\$ -	\$ -	\$ -	\$ 114.14	\$ 4,071.43	\$ 3,229.85	\$ 38.35	\$ 18,759.76
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 11,437.27	\$ 3,876.96	\$ -	\$ -	\$ 1,768.92	\$ -	\$ 4,980.75	\$ 93,736.29	\$ 43,281.03	\$ 513.84	\$ 397,794.64
	Grand Totals:	\$ 402,301.21	\$ 302,348.03	\$ 8,407.45	\$ 29,995.50	\$ 42,011.37	\$ 14,240.84	\$ 449.49	\$ -	\$ 4,798.46	\$ 6,316.19	\$ 8,737.69	\$ 376,637.84	\$ 131,691.84	\$ 1,563.47	\$ 1,329,499.38
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 42,025.23	\$ 14,245.16	\$ 616.25	\$ -	\$ 4,844.77	\$ 6,316.19	\$ 8,737.69	\$ 376,741.68	\$ 131,752.66	\$ 1,564.21	\$ 1,533,560.07
	Deviation:	\$ (76,466.80)	\$ (115,003.09)	\$ (5,037.57)	\$ (7,156.58)	\$ (13.86)	\$ (4.32)	\$ (166.76)	\$ -	\$ (46.31)	\$ -	\$ -	\$ (103.84)	\$ (60.82)	\$ (0.74)	\$ (204,060.69)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
June, 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	\$ 10,600.54	\$ 15,824.14	\$ 693.17	\$ 1,915.40	\$ 1,783.92	\$ 488.31	\$ 23.46	\$ -	\$ 418.94	\$ -	\$ 757.96	\$ 28,184.64	\$ 5,778.02	\$ -	\$ 66,468.50
4	Historic Metro Courthouse	\$ 5,018.28	\$ 7,383.83	\$ 323.45	\$ 893.79	\$ 794.18	\$ 217.40	\$ 10.94	\$ -	\$ 195.49	\$ -	\$ 357.41	\$ 13,324.00	\$ 2,281.67	\$ -	\$ 30,800.44
7	Parkway Towers	\$ 4,575.04	\$ 7,163.89	\$ 313.78	\$ 867.05	\$ 532.91	\$ 145.90	\$ 10.61	\$ -	\$ 189.64	\$ 674.83	\$ -	\$ 12,998.79	\$ 12.32	\$ -	\$ 27,484.76
9	Wells Fargo Plaza	\$ 1,686.33	\$ 2,596.60	\$ 113.73	\$ 314.28	\$ 308.35	\$ 84.41	\$ 3.85	\$ -	\$ 68.74	\$ 242.42	\$ -	\$ 6,174.05	\$ 511.28	\$ -	\$ 12,104.04
10	401 Union Building	\$ 1,749.05	\$ 2,675.70	\$ 117.20	\$ 323.85	\$ -	\$ -	\$ 3.97	\$ -	\$ 70.84	\$ 295.26	\$ -	\$ -	\$ -	\$ -	\$ 5,235.87
11	Sheraton Hotel	\$ 9,653.41	\$ 14,388.92	\$ 630.30	\$ 1,741.69	\$ 2,221.77	\$ 608.15	\$ 21.33	\$ -	\$ 380.94	\$ 1,170.50	\$ -	\$ 30,190.83	\$ 9,034.21	\$ -	\$ 70,042.05
12	Municipal Auditorium	\$ 5,113.82	\$ 7,956.52	\$ 348.50	\$ 963.00	\$ 383.20	\$ 104.90	\$ 11.78	\$ -	\$ 210.63	\$ -	\$ -	\$ 7,971.02	\$ 523.86	\$ -	\$ 23,587.23
21	Hermitage Hotel	\$ 4,662.75	\$ 6,746.80	\$ 295.56	\$ 816.71	\$ 523.47	\$ 143.30	\$ 10.00	\$ -	\$ 178.63	\$ 263.50	\$ 378.98	\$ 11,598.36	\$ 450.06	\$ -	\$ 26,068.12
24	Criminal Justice Center	\$ 7,884.28	\$ 11,092.70	\$ 485.98	\$ 1,342.87	\$ 949.70	\$ 259.97	\$ 16.46	\$ -	\$ 293.71	\$ -	\$ 431.09	\$ 17,430.47	\$ 2,168.16	\$ -	\$ 42,355.39
25	501 Union Building	\$ 1,838.41	\$ 2,719.81	\$ 119.14	\$ 329.22	\$ 447.45	\$ 122.48	\$ 4.03	\$ -	\$ 72.00	\$ 221.50	\$ 96.06	\$ 6,325.80	\$ 1,727.57	\$ -	\$ 14,023.47
28	4th & Church Building	\$ 19,832.52	\$ -	\$ -	\$ -	\$ 809.97	\$ 221.74	\$ 13.47	\$ -	\$ -	\$ -	\$ -	\$ 19,806.12	\$ 0.37	\$ -	\$ 40,684.19
29	Fifth-Third Financial Center	\$ 5,618.43	\$ 10,067.05	\$ 440.82	\$ 1,218.10	\$ 858.98	\$ 235.16	\$ 14.87	\$ -	\$ 266.43	\$ 748.67	\$ -	\$ 21,005.58	\$ -	\$ -	\$ 40,474.09
32	Renaissance Hotel	\$ 11,580.55	\$ 16,779.17	\$ 735.05	\$ 2,031.13	\$ 2,486.55	\$ 680.65	\$ 24.89	\$ -	\$ 444.25	\$ 1,391.92	\$ -	\$ 40,708.43	\$ 7,521.30	\$ -	\$ 84,383.89
33	Convention Center	\$ 14,259.45	\$ 21,243.14	\$ 930.55	\$ 2,571.35	\$ 1,711.35	\$ 468.46	\$ 31.49	\$ -	\$ 562.41	\$ -	\$ -	\$ 29,603.42	\$ 4,582.93	\$ -	\$ 75,964.55
34	Renaissance Office Tower	\$ 1,373.63	\$ 2,461.26	\$ 107.78	\$ 297.81	\$ 384.46	\$ 105.25	\$ 3.64	\$ -	\$ 65.14	\$ 216.25	\$ 7.67	\$ 9,401.56	\$ -	\$ -	\$ 14,424.45
35	St. Mary's Catholic Church	\$ 950.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.67	\$ -	\$ -	\$ -	\$ -	\$ 981.93
36	Nashville City Center	\$ 4,578.78	\$ 8,204.21	\$ 359.25	\$ 992.70	\$ 975.13	\$ 266.96	\$ 12.12	\$ -	\$ 217.13	\$ 717.00	\$ -	\$ 23,845.92	\$ -	\$ -	\$ 40,169.20
38	Wildhorse Saloon	\$ 1,704.49	\$ 2,686.57	\$ 117.67	\$ 325.16	\$ 386.36	\$ 105.76	\$ 3.97	\$ -	\$ 71.12	\$ 174.00	\$ -	\$ 8,149.41	\$ 486.03	\$ -	\$ 14,210.54
39	Ryman Auditorium	\$ 1,849.13	\$ 2,922.08	\$ 127.99	\$ 353.65	\$ 920.13	\$ 251.86	\$ 4.33	\$ -	\$ 77.35	\$ 168.67	\$ -	\$ 12,760.21	\$ 3,645.29	\$ -	\$ 23,080.69
40	Bridgestone Arena	\$ 18,937.71	\$ 30,425.20	\$ 1,332.56	\$ 3,682.19	\$ 2,367.64	\$ 648.17	\$ 45.03	\$ -	\$ 805.38	\$ -	\$ -	\$ 53,124.18	\$ 1,786.71	\$ -	\$ 113,154.77
41	L.P. Field	\$ 8,080.20	\$ 14,478.02	\$ 633.97	\$ 1,751.83	\$ 2,224.56	\$ 609.02	\$ 21.38	\$ -	\$ 383.16	\$ -	\$ -	\$ 54,399.77	\$ -	\$ -	\$ 82,581.91
43	Hume-Fogg High School	\$ 2,690.91	\$ 4,132.45	\$ 181.00	\$ 500.18	\$ 164.54	\$ 45.04	\$ 6.12	\$ -	\$ 109.40	\$ -	\$ 200.77	\$ 3,832.35	\$ 71.54	\$ -	\$ 11,934.30
44	Schermerhorn Symphony Center	\$ 14,448.00	\$ -	\$ -	\$ -	\$ 996.92	\$ 272.88	\$ 9.71	\$ -	\$ -	\$ -	\$ -	\$ 13,862.20	\$ 3,935.73	\$ -	\$ 33,525.44
45	Nashville Public Library	\$ 6,559.05	\$ -	\$ -	\$ -	\$ 904.30	\$ 247.57	\$ 15.13	\$ -	\$ -	\$ -	\$ 89.54	\$ 21,446.80	\$ 249.63	\$ -	\$ 29,512.02
49	Viridian Residential Tower	\$ 11,776.00	\$ -	\$ -	\$ -	\$ 451.18	\$ 123.52	\$ 7.30	\$ -	\$ -	\$ -	\$ 529.92	\$ 11,033.24	\$ -	\$ -	\$ 23,921.16
50	Music City Center	\$ 78,221.20	\$ 8,794.88	\$ -	\$ 6,763.54	\$ 9,133.94	\$ 2,500.19	\$ 112.18	\$ -	\$ -	\$ -	\$ 343.07	\$ 131,529.47	\$ 34,366.97	\$ -	\$ 271,765.44
51	Hyatt Place Hotel	\$ 10,464.50	\$ -	\$ -	\$ -	\$ 602.02	\$ 164.78	\$ 7.43	\$ -	\$ -	\$ -	\$ 67.64	\$ 6,638.59	\$ 3,025.09	\$ -	\$ 20,970.05
S1	State Government of TN	\$ 136,594.49	\$ 101,605.09	\$ -	\$ -	\$ 12,345.58	\$ 3,379.36	\$ -	\$ -	\$ 2,966.89	\$ -	\$ 2,769.24	\$ 194,243.37	\$ 40,288.97	\$ -	\$ 494,192.99
	Grand Totals:	\$ 402,301.21	\$ 302,348.03	\$ 8,407.45	\$ 29,995.50	\$ 45,668.56	\$ 12,501.19	\$ 449.49	\$ -	\$ 8,048.22	\$ 6,316.19	\$ 6,029.35	\$ 789,588.58	\$ 122,447.71	\$ -	\$ 1,734,101.48
	Rate Calculation Totals:	\$ 478,768.01	\$ 417,351.12	\$ 13,445.02	\$ 37,152.08	\$ 45,676.67	\$ 12,500.00	\$ 616.25	\$ -	\$ 8,126.02	\$ 6,316.19	\$ 6,029.35	\$ 789,785.97	\$ 122,447.69	\$ -	\$ 1,938,214.37
	Deviation:	\$ (76,466.80)	\$ (115,003.09)	\$ (5,037.57)	\$ (7,156.58)	\$ (8.11)	\$ 1.19	\$ (166.76)	\$ -	\$ (77.80)	\$ -	\$ -	\$ (197.39)	\$ 0.02	\$ -	\$ (204,112.89)

Metro Nashville District Energy System
Chilled Water and Steam Revenues
Fiscal Year 14-15 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	\$ -	\$ -	\$ -	\$ (3,854.43)	\$ (174.09)	\$ 1,361.16	\$ (98.93)	\$ 201.30	\$ -	\$ -	\$ -	\$ (326.00)	\$ (1,143.12)	\$ -	\$ (4,034.11)
4	Historic Metro Courthouse	\$ -	\$ -	\$ -	\$ (1,799.11)	\$ (74.84)	\$ 575.54	\$ (46.18)	\$ 93.96	\$ -	\$ -	\$ -	\$ (139.62)	\$ (477.28)	\$ -	\$ (1,867.53)
7	Parkway Towers	\$ -	\$ -	\$ -	\$ (1,743.20)	\$ (90.24)	\$ 651.75	\$ (44.74)	\$ 91.04	\$ -	\$ -	\$ -	\$ (166.04)	\$ (513.51)	\$ -	\$ (1,814.94)
9	Wells Fargo Plaza	\$ -	\$ -	\$ -	\$ (632.06)	\$ (29.86)	\$ 215.27	\$ (16.22)	\$ 33.01	\$ -	\$ -	\$ -	\$ (54.92)	\$ (169.32)	\$ -	\$ (654.10)
10	401 Union Building	\$ -	\$ -	\$ -	\$ (651.40)	\$ -	\$ -	\$ (16.72)	\$ 34.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (634.10)
11	Sheraton Hotel	\$ -	\$ -	\$ -	\$ (3,504.95)	\$ (202.26)	\$ 1,849.28	\$ (89.96)	\$ 183.05	\$ -	\$ -	\$ -	\$ (393.38)	\$ (1,721.60)	\$ -	\$ (3,879.82)
12	Municipal Auditorium	\$ -	\$ -	\$ -	\$ (1,936.34)	\$ (35.95)	\$ 613.63	\$ (49.70)	\$ 101.13	\$ -	\$ -	\$ -	\$ (85.47)	\$ (724.58)	\$ -	\$ (2,117.28)
21	Hermitage Hotel	\$ -	\$ -	\$ -	\$ (1,644.51)	\$ (68.52)	\$ 386.15	\$ (42.21)	\$ 85.88	\$ -	\$ -	\$ -	\$ (120.15)	\$ (230.17)	\$ -	\$ (1,633.53)
24	Criminal Justice Center	\$ -	\$ -	\$ -	\$ (2,705.53)	\$ (133.60)	\$ 764.45	\$ (69.44)	\$ 141.31	\$ -	\$ -	\$ -	\$ (234.89)	\$ (465.74)	\$ -	\$ (2,703.44)
25	501 Union Building	\$ -	\$ -	\$ -	\$ (662.62)	\$ (56.98)	\$ 465.62	\$ (17.00)	\$ 34.61	\$ -	\$ -	\$ -	\$ (107.79)	\$ (403.68)	\$ -	\$ (747.84)
28	4th & Church Building	\$ -	\$ -	\$ -	\$ -	\$ (111.79)	\$ 717.36	\$ (56.82)	\$ 115.61	\$ -	\$ -	\$ -	\$ (200.79)	\$ (503.82)	\$ -	\$ (40.25)
29	Fifth-Third Financial Center	\$ -	\$ -	\$ -	\$ (2,443.23)	\$ (111.75)	\$ 374.27	\$ (62.71)	\$ 127.60	\$ -	\$ -	\$ -	\$ (182.01)	\$ -	\$ -	\$ (2,297.83)
32	Renaissance Hotel	\$ -	\$ -	\$ -	\$ (4,089.75)	\$ (241.29)	\$ 1,971.59	\$ (104.97)	\$ 213.60	\$ -	\$ -	\$ -	\$ (456.48)	\$ (1,709.26)	\$ -	\$ (4,416.56)
33	Convention Center	\$ -	\$ -	\$ -	\$ (5,174.62)	\$ (217.30)	\$ 1,353.88	\$ (132.82)	\$ 270.25	\$ -	\$ -	\$ -	\$ (388.08)	\$ (919.82)	\$ -	\$ (5,208.51)
34	Renaissance Office Tower	\$ -	\$ -	\$ -	\$ (597.34)	\$ (57.67)	\$ 193.13	\$ (15.33)	\$ 31.20	\$ -	\$ -	\$ -	\$ (93.92)	\$ -	\$ -	\$ (539.93)
35	St. Mary's Catholic Church	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36	Nashville City Center	\$ -	\$ -	\$ -	\$ (1,991.12)	\$ (133.19)	\$ 446.05	\$ (51.11)	\$ 103.99	\$ -	\$ -	\$ -	\$ (216.92)	\$ -	\$ -	\$ (1,842.30)
38	Wildhorse Saloon	\$ -	\$ -	\$ -	\$ (653.64)	\$ (45.70)	\$ 261.78	\$ (16.78)	\$ 34.14	\$ -	\$ -	\$ -	\$ (80.36)	\$ (159.73)	\$ -	\$ (660.29)
39	Ryman Auditorium	\$ -	\$ -	\$ -	\$ (710.90)	\$ (71.79)	\$ 550.35	\$ (18.25)	\$ 37.13	\$ -	\$ -	\$ -	\$ (133.84)	\$ (455.28)	\$ -	\$ (802.58)
40	Bridgestone Arena	\$ -	\$ -	\$ -	\$ (7,399.52)	\$ (435.66)	\$ 2,085.67	\$ (189.93)	\$ 386.45	\$ -	\$ -	\$ -	\$ (743.74)	\$ (920.56)	\$ -	\$ (7,217.29)
41	L.P. Field	\$ -	\$ -	\$ -	\$ (3,513.75)	\$ (207.71)	\$ 695.63	\$ (90.19)	\$ 183.50	\$ -	\$ -	\$ -	\$ (338.29)	\$ -	\$ -	\$ (3,270.81)
43	Hume-Fogg High School	\$ -	\$ -	\$ -	\$ (1,005.97)	\$ (23.77)	\$ 200.05	\$ (25.82)	\$ 52.54	\$ -	\$ -	\$ -	\$ (45.28)	\$ (176.97)	\$ -	\$ (1,025.22)
44	Schermerhorn Symphony Center	\$ -	\$ -	\$ -	\$ -	\$ (88.76)	\$ 664.77	\$ (40.95)	\$ 83.34	\$ -	\$ -	\$ -	\$ (164.61)	\$ (539.93)	\$ -	\$ (86.14)
45	Nashville Public Library	\$ -	\$ -	\$ -	\$ -	\$ (135.59)	\$ 668.87	\$ (63.81)	\$ 129.85	\$ -	\$ -	\$ -	\$ (232.57)	\$ (315.47)	\$ -	\$ 51.28
49	Viridian Residential Tower	\$ -	\$ -	\$ -	\$ -	\$ (51.16)	\$ 171.34	\$ (30.79)	\$ 62.64	\$ -	\$ -	\$ -	\$ (83.32)	\$ -	\$ -	\$ 68.71
50	Music City Center	\$ -	\$ -	\$ -	\$ (18,434.31)	\$ (761.55)	\$ 6,476.16	\$ (473.16)	\$ 962.75	\$ -	\$ -	\$ -	\$ (1,454.55)	\$ (5,767.13)	\$ -	\$ (19,451.79)
51	Hyatt Place Hotel	\$ -	\$ -	\$ -	\$ -	\$ (44.83)	\$ 414.28	\$ (31.37)	\$ 63.84	\$ -	\$ -	\$ -	\$ (87.42)	\$ (388.05)	\$ -	\$ (73.55)
51	State Government of TN	\$ -	\$ -	\$ -	\$ -	\$ (1,095.40)	\$ 9,153.43	\$ -	\$ 1,425.70	\$ -	\$ -	\$ -	\$ (2,083.39)	\$ (8,057.63)	\$ -	\$ (657.29)
	Grand Totals:	\$ -	\$ -	\$ -	\$ (65,148.30)	\$ (4,701.25)	\$ 33,281.46	\$ (1,895.91)	\$ 5,283.44	\$ -	\$ -	\$ -	\$ (8,613.83)	\$ (25,762.65)	\$ -	\$ (67,557.04)
	Rate Calculation Totals:	\$ -	\$ -	\$ -	\$ (101,259.51)	\$ (4,702.51)	\$ 33,297.18	\$ (2,599.15)	\$ 5,288.25	\$ -	\$ -	\$ -	\$ (8,616.83)	\$ (25,794.57)	\$ -	\$ (104,387.14)
	Deviation:	\$ -	\$ -	\$ -	\$ 36,111.21	\$ 1.26	\$ (15.72)	\$ 703.24	\$ (4.81)	\$ -	\$ -	\$ -	\$ 3.00	\$ 31.92	\$ -	\$ 36,830.10



Appendix 4

CNE INVOICE RECONCILIATION - FY 2014 - 2015

FINALIZE FUEL EFFICIENCY ADJUSTMENTS

SUMMARY	ELECTRIC FEA	FUEL GAS FEA	WATER FEA	System TOTAL	Include FEA in INVOICE (YES/NO)
STEAM SYSTEM	\$28,458.90	\$111,954.35	\$548.90	\$140,962.15	
CHILLED WATER SYSTEM	\$185,451.60	\$0.00	\$129,223.80	\$314,675.40	
TOTAL	\$213,910.50	\$111,954.35	\$129,772.70	\$455,637.55	

YES

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	3.108
GUARANTEED MAX QUANTITY	6.000	kWh per mlb sold	STEAM SOLD	381,755 mlb		
CEPS FUEL EFFICIENCY ADJUSTM	6.000	kWh per mlb sold	VARIANCE in kWh = RATE VARIANCE x STEAM SOLD		0	1,186,665
CEPS ACTUAL CONVERSION RATE	2.892	kWh per mlb sold	AVERAGE ELECTRIC PRICE	\$0.0959 / kWh		
			CEPS PENALTY / BONUS		\$0.00	\$28,458.90

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)	76%	of Send-out	CNE PENALTY/BONUS CALCULATION		PENALTY	BONUS
Given Condensate Return at	174 °F	avg. Temp.	RATE VARIANCE	Dth. per mlb sold	0.000	0.215
GUARANTEED MAX QUANTITY	1.682	Dth.per mlb sold	STEAM SEND-OUT	440,426 mlb		
CEPS FUEL EFFICIENCY ADJUSTM	1.594	Dth.per mlb sold	VARIANCE in Dth. = RATE VARIANCE x STEAM SOLD		0	94,692
CEPS ACTUAL CONVERSION RATE	1.379	Dth.per mlb sold	AVERAGE FUEL PRICE	\$4.7292 / Dth.		
			CEPS PENALTY / BONUS		\$0.00	\$111,954.35

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

WATER-TO-STEAM CONVERSION

CONTRACTUAL GUARANTEE (varies by Plant Send-out, see below)	15%	gallons per cft	CNE PENALTY/BONUS CALCULATION		PENALTY	BONUS
PLANT LOSSES	7.4805	gallons per cft	VARIANCE in gallons = GMQ - CES ACTUAL USE		0	866,286
VOLUMETRIC CONVERSION	8.15585	gall per lb	AVERAGE WATER PRICE	\$2.5345 / kGall		
CONDENSATE RETURN SPEC. VO	14,700,034	gallons	CEPS PENALTY / BONUS		\$0.00	\$548.90
GUARANTEED MAX QUANTITY	13,833,748	gallons	Average water price excludes sewer.			
CEPS ACTUAL USE			NOTE: Penalty at 100% of variance and Bonus at 25% of variance			

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	0.130
GUARANTEED MAX QUANTITY	1.055	kWh per ton-hr sold	CHILLED WATER SOLD	59,626,410 ton-hrs		
CEPS FUEL EFFICIENCY ADJUSTM	1.055	kWh per ton-hr sold	VARIANCE in kWh = RATE VARIANCE x CHW SOLD		0	7,732,869
CEPS ACTUAL CONVERSION RATE	0.925	kWh per ton-hr sold	AVERAGE ELECTRIC PRICE	\$0.0959 / kWh		
			CEPS PENALTY / BONUS		\$0.00	\$185,451.60

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	3.420
GUARANTEED MAX QUANTITY	5.250	gall per ton-hr sold	CHILLED WATER SOLD	59,626,410 ton-hrs		
CEPS FUEL EFFICIENCY ADJUSTM	5.250	gall per ton-hr sold	VARIANCE in gallons = RATE VARIANCE x CHW SOLD		0	203,943,653
CEPS ACTUAL CONVERSION RATE	1.830	gall per ton-hr sold	AVERAGE WATER PRICE	\$2.5345 / kGall		
			CEPS PENALTY / BONUS		\$0.00	\$129,223.80

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	\$27,290.22	\$28,458.90	\$1,168.68	ELECTRIC	\$210,088.29	\$185,451.60	(\$24,636.69)
FUEL GAS	\$116,928.12	\$111,954.35	(\$4,973.77)	FUEL GAS	\$0.00	\$0.00	\$0.00
WATER	\$547.99	\$548.90	\$0.91	WATER	\$128,998.06	\$129,223.80	\$225.74
TOTAL	\$144,766.33	\$140,962.15	(\$3,804.18)	TOTAL	\$339,086.35	\$314,675.40	(\$24,410.95)

COMPARISON AMOUNT COLLECTED BY METRO VS 97-13 CAP

FEA COLLECTED BY METRO				METRO PAID	METRO OWES
	STEAM	CHILLED WATER	TOTAL	CNE	CUSTOMER
ELECTRIC	\$11,807.64	\$115,850.23	\$127,657.87		
FUEL GAS	\$55,023.22	\$0.00	\$55,023.22		
WATER	\$273.10	\$73,139.93	\$73,413.03		
TOTAL	\$67,103.96	\$188,990.16	\$256,094.12	\$238,530.29	\$17,563.83



NASHVILLE, TENNESSEE

REV: 1
DATE: 12/30/15

CNE INVOICE RECONCILIATION - FY 2014 - 2015

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	18,017,977	17,032,978	18,148,131	25,305,093	43,744,951	47,550,738	58,925,381	61,877,382	39,368,914	22,210,355	16,372,785	13,200,733	381,755,418
	Reconciled, lbs	18,017,977	17,032,978	18,148,131	25,305,093	43,744,951	47,550,738	58,925,381	61,877,382	39,368,914	22,210,355	16,372,785	13,200,733	381,755,418
CHW SALES	Previously invoiced, ton-hrs	8,202,921	9,126,468	7,064,889	4,894,379	2,453,524	2,313,288	2,209,676	1,886,136	3,182,642	4,413,433	5,698,285	8,180,769	59,626,410
	Reconciled, ton-hrs	8,202,921	9,126,468	7,064,889	4,894,379	2,453,524	2,313,288	2,209,676	1,886,136	3,182,642	4,413,433	5,698,285	8,180,769	59,626,410

SUMMARY FROM CUSTOMER METER READS from INVOICES (paste link)

START DATE	07/01/14	08/01/14	09/01/14	10/01/14	11/01/14	11/01/14	01/01/15	02/01/15	03/01/15	04/01/15	05/01/15	06/01/15	07/01/14	
END DATE	07/31/14	08/31/14	09/30/14	10/31/14	11/30/14	11/30/14	01/31/15	02/28/15	03/31/15	04/30/15	05/31/15	06/30/15	06/30/15	
CHW SALES	ton-hrs	8,202,921	9,126,468	7,064,889	4,894,379	2,453,524	2,313,288	2,209,676	1,886,136	3,182,642	4,413,433	5,698,285	8,180,769	59,626,410
CHW SENDOUT	ton-hrs	8,849,000	9,836,700	7,590,800	5,363,800	2,787,500	2,632,400	2,470,500	2,112,200	3,417,800	4,711,700	6,007,100	8,505,500	64,285,000
CHW ELECTRIC	kWh	7,380,272	8,434,472	6,418,423	4,464,683	2,429,105	2,271,681	2,153,971	1,854,568	2,747,763	3,733,127	4,974,719	7,279,790	54,142,574
CHW MUW	galls	15,997,000	17,640,000	13,152,000	8,737,000	4,065,000	3,560,000	3,599,000	2,877,000	5,289,000	7,726,000	10,740,000	15,713,000	109,095,000
STEAM SALES	mlbs	18,018	17,033	18,148	25,305	43,745	47,551	58,925	61,877	39,369	22,210	16,373	13,201	381,755
STEAM SENDOUT	mlbs	23,613	23,050	23,429	30,518	47,444	51,378	62,539	64,931	43,920	27,650	22,245	19,709	440,426
STEAM PRODUCTION	mlbs	25,066	24,229	25,012	33,100	52,756	57,263	69,321	72,105	48,490	30,133	23,990	20,841	482,306
NATURAL GAS	mmBtu	31,630	30,860	31,953	41,862	65,611	71,730	77,552	82,873	60,270	37,676	29,716	27,036	588,769
PROPANE	mmBtu	0	0	25	8	90	0	8,512	9,191	508	254	106	0	18,694
STEAM ELECTRIC	kWh	53,524	51,975	55,325	82,141	119,579	125,706	145,261	156,224	111,641	65,935	56,355	53,554	1,077,218
CONDENSATE RETURN	galls	2,293,100	2,229,200	2,070,800	2,943,500	4,332,700	4,744,700	5,877,900	6,031,700	4,010,600	2,673,400	2,109,600	1,901,400	41,218,600
	mlbs	18,702	18,181	16,889	24,007	35,337	38,697	47,939	49,194	32,710	21,804	17,206	15,508	336,174
	°F	186 °F	189 °F	187 °F	176 °F	167 °F	169 °F	171 °F	172 °F	171 °F	176 °F	181 °F	181 °F	174.3
STEAM MUW	galls	624,430	598,580	824,450	882,220	1,627,500	1,663,300	1,950,150	2,166,810	1,519,600	756,060	602,090	481,590	13,695,780
	mlbs	5,211	4,995	6,880	7,362	13,582	13,881	16,275	18,083	12,682	6,310	5,025	4,019	114,304
Days in Service		31	31	30	31	30	30	31	28	31	30	31	30	364
Efficiency - Cooling	kWh/ton-hr-Sold	0.900	0.924	0.908	0.912	0.990	0.982	0.975	0.963	0.863	0.846	0.873	0.890	0.908
Efficiency - Heating	Dth/klb-Sendout	1.340	1.339	1.365	1.372	1.385	1.396	1.376	1.418	1.384	1.372	1.341	1.372	1.379

CNE INVOICE RECONCILIATION - FY 2014 - 2015

UTILITY INVOICES (Paste Link)

Month of Service	7	8	9	10	11	12	1	2	3	4	5	6	TOTAL	
ELECTRIC SERVICE (NES)														
Service Dates	From 7/1/2014	7/1/2014	9/1/2014	10/1/2014	11/1/2014	12/1/2014	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	7/1/2014	
	To 7/31/2014	7/31/2014	9/30/2014	10/31/2014	11/30/2014	12/31/2014	1/31/2015	2/28/2015	3/31/2015	4/30/2015	5/31/2015	6/30/2015	6/30/2015	
PEAK Demand	kWh	17,002	17,766	16,306	0	0	6,606	6,606	6,606	7,158	0	17	17,766	
Service Period Use	kWh	7,533,502	8,585,041	6,592,906	4,630,695	2,627,583	2,474,904	2,375,831	2,081,355	2,945,060	3,883,720	5,119,737	7,426,528	56,276,862
Service Period Charge	\$	\$ 851,329.09	\$ 912,521.77	\$ 723,367.16	\$ 344,117.94	\$ 190,902.27	\$ 221,614.50	\$ 217,256.95	\$ 197,347.29	\$ 270,780.15	\$ 302,845.49	\$ 376,741.68	\$ 789,785.97	\$ 5,398,610.26
Average Charge	\$/kWh	\$ 0.113000	\$ 0.106300	\$ 0.109700	\$ 0.074300	\$ 0.072700	\$ 0.089500	\$ 0.091400	\$ 0.094800	\$ 0.091900	\$ 0.078000	\$ 0.073600	\$ 0.106300	\$ 0.095929
NATURAL GAS SERVICE														
Service Dates	From 7/1/2014	8/1/2014	9/1/2014	10/1/2014	11/1/2014	12/1/2014	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	7/1/2014	
	To 7/31/2014	8/31/2014	9/30/2014	10/31/2014	11/30/2014	12/31/2014	1/31/2015	2/28/2015	3/31/2015	4/30/2015	5/31/2015	6/30/2015	6/30/2015	
UTILITY METER Readings	Start	333,174	363,327	392,774	423,148	462,865	525,591	593,711	667,081	746,008	803,299	839,045	867,185	6/30/2015
	Ending	363,327	392,774	423,148	462,865	525,591	593,711	667,081	746,008	803,299	839,045	867,185	892,787	
UTILITY METER Multiplier		10	10	10	10	10	10	10	10	10	10	10	10	
HEAT FACTOR		1.049	1.048	1.052	1.054	1.046	1.053	1.057	1.050	1.052	1.054	1.056	1.056	
Service Period Use	CCF	301,530	294,470	303,740	397,170	627,260	681,200	733,700	789,270	572,910	357,460	281,400	256,020	5,596,130
	Dth	31,630.5	30,860.5	31,953.4	41,861.7	65,611.4	71,730.4	77,552.1	82,873.4	60,270.1	37,676.3	29,715.8	27,035.7	588,771.3
Service Period Charges														
CONSULTANTS	\$	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	\$ 8,127.32	97,527.84
NASHVILLE GAS	\$	\$ 17,156.64	\$ (4,331.43)	\$ 17,275.00	\$ 20,906.87	\$ 29,612.27	\$ 31,855.17	\$ 33,989.11	\$ 37,879.52	\$ 29,065.22	\$ 20,254.63	\$ 17,164.90	\$ 16,118.89	266,946.79
ATMOS	\$	\$ 143,507.24	\$ 130,005.63	\$ 136,801.73	\$ 183,176.46	\$ 280,466.62	\$ 331,583.72	\$ 324,332.08	\$ 316,734.68	\$ 231,963.88	\$ 136,715.56	\$ 106,460.44	\$ 98,201.48	2,419,949.52
TOTAL	\$	\$ 168,791.20	\$ 133,801.52	\$ 162,204.05	\$ 212,210.65	\$ 318,206.21	\$ 371,566.21	\$ 366,448.51	\$ 362,741.52	\$ 269,156.42	\$ 165,097.51	\$ 131,752.66	\$ 122,447.69	\$ 2,784,424.15
Average Charge	\$/Dth	\$ 5.3363	\$ 4.3357	\$ 5.0763	\$ 5.0693	\$ 4.8499	\$ 5.1800	\$ 4.7252	\$ 4.3771	\$ 4.4658	\$ 4.3820	\$ 4.4338	\$ 4.5291	\$ 4.7292
WATER SERVICE (DOMESTIC AND PLANT)														
Service Dates	From 7/1/2014	7/1/2014	9/1/2014	10/1/2014	11/1/2014	12/1/2014	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	7/1/2014	
	To 7/31/2014	7/31/2014	9/30/2014	10/31/2014	11/30/2014	12/31/2014	1/31/2015	2/28/2015	3/31/2015	4/30/2015	5/31/2015	6/30/2015	6/30/2015	
UTILITY METER Readings														
DOMESTIC	Start													
	Ending													
PLANT METER #1	Start													
	Ending													
PLANT METER #2	Start													
	Ending													
Service Period Use														
DOMESTIC	CCF	31	36	27	25	34	25	23	22	24	37	22	328	
PLANT METER #1	CCF	23,308	25,597	25,040	17,844	13,725	8,668	9,917	8,828	9,193	11,814	15,364	16,751	186,049
PLANT METER #2	CCF													0
TOTAL	CCF	23,339	25,633	25,067	17,869	13,759	8,693	9,940	8,850	9,217	11,836	15,401	16,773	186,377
PLANT ONLY	CCF	23,308	25,597	25,040	17,844	13,725	8,668	9,917	8,828	9,193	11,814	15,364	16,751	186,049
	GALLONS	17,434,384	19,146,556	18,729,920	13,347,312	10,266,300	6,483,664	7,417,916	6,603,344	6,876,364	8,836,872	11,492,272	12,529,748	139,164,652
Service Period Charges														
DOMESTIC	WATER \$	\$ 94.69	\$ 105.39	\$ 86.13	\$ 81.85	\$ 101.11	\$ 81.85	\$ 77.57	\$ 75.43	\$ 79.71	\$ 75.43	\$ 107.53	\$ 75.43	\$ 1,042.12
	SEWER \$	\$ 191.01	\$ 212.61	\$ 173.73	\$ 165.09	\$ 203.97	\$ 165.09	\$ 156.45	\$ 152.13	\$ 160.77	\$ 152.13	\$ 216.93	\$ 152.13	\$ 2,102.04
PLANT	WATER \$	\$ 44,105.86	\$ 48,437.58	\$ 47,380.21	\$ 33,768.11	\$ 25,981.15	\$ 16,411.71	\$ 19,365.53	\$ 16,713.05	\$ 17,404.23	\$ 22,360.91	\$ 29,082.37	\$ 31,699.49	\$ 352,710.20
	SEWER \$	\$ 18,992.76	\$ 20,857.48	\$ 20,404.34	\$ 14,539.60	\$ 11,185.06	\$ 7,061.16	\$ 8,335.82	\$ 7,191.56	\$ 7,488.22	\$ 9,623.52	\$ 12,518.40	\$ 13,649.62	\$ 151,847.54
STATE FEE @ 10%	\$	\$ 100.00	\$ 184.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 1,284.00
TOTAL	\$	\$ 63,484.32	\$ 69,797.06	\$ 68,144.41	\$ 48,654.65	\$ 37,571.29	\$ 23,819.81	\$ 28,035.37	\$ 24,232.17	\$ 25,232.93	\$ 32,311.99	\$ 42,025.23	\$ 45,676.67	\$ 508,985.90
PLANT, WATER ONLY	\$	\$ 44,105.86	\$ 48,437.58	\$ 47,380.21	\$ 33,768.11	\$ 25,981.15	\$ 16,411.71	\$ 19,365.53	\$ 16,713.05	\$ 17,404.23	\$ 22,360.91	\$ 29,082.37	\$ 31,699.49	\$ 352,710.20
Average Charge	\$/kGall	\$ 2.5298	\$ 2.5298	\$ 2.5297	\$ 2.5300	\$ 2.5307	\$ 2.5312	\$ 2.6106	\$ 2.5310	\$ 2.5310	\$ 2.5304	\$ 2.5306	\$ 2.5299	\$ 2.5345

MONTHLY FEAS

Service Dates	From	7	8	9	10	11	12	1	2	3	4	5	6	TOTAL
STEAM	ELECTRIC	\$1,541.77	\$1,334.86	\$1,469.24	\$1,294.49	\$2,596.68	\$3,570.60	\$4,759.68	\$5,096.07	\$2,861.84	\$1,312.74	\$770.63	\$681.62	\$27,290.22
	FUEL GAS	\$7,623.05	\$5,996.41	\$6,747.42	\$8,440.00	\$12,577.14	\$13,639.20	\$18,883.63	\$14,697.28	\$10,744.48	\$6,707.66	\$6,141.21	\$4,730.64	\$116,928.12
	WATER	\$39.06	\$51.84	\$56.57	\$17.12	\$40.09	\$68.42	\$56.28	\$19.32	\$29.02	\$38.40	\$64.82	\$67.05	\$547.99
CHW	ELECTRIC	\$35,918.55	\$31,772.19	\$28,481.93	\$13,000.57	\$2,898.53	\$3,778.46	\$4,039.28	\$3,218.51	\$14,039.26	\$17,986.94	\$19,082.42	\$35,871.65	\$210,088.29
	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	\$17,120.19	\$19,145.84	\$15,137.62	\$10,726.58	\$5,577.36	\$5,432.34	\$5,062.38	\$4,445.61	\$7,225.58	\$9,768.99	\$12,300.89	\$17,224.68	\$128,998.06
		\$ 62,242.62	\$ 58,301.14	\$ 51,892.78	\$ 33,478.76	\$ 23,689.80	\$ 26,489.02	\$ 32,801.25	\$ 27,476.79	\$ 34,900.18	\$ 35,814.73	\$ 38,189.97	\$ 58,575.64	\$ 483,852.68

STEAM CAPACITY TEST ADJUSTMENTS

Month	7	8	9	10	11	12	TOTAL
NATURAL GAS							0
USAGE CREDIT	MCF						0
	Dth						0
	\$						\$ -

CNE INVOICE RECONCILIATION - FY 2014 - 2015

146	End Reading	61,081	63,928	66,550	69,999	74,770	79,983	86,541	93,374	97,943	101,083	103,652	105,987		
147	Period Use in units = 1 x mmBtu	2,883	2,847	2,622	3,449	4,771	5,213	6,558	6,833	4,569	3,140	2,569	2,335		47,789
148	Condensate Return Temp	186 °F	189 °F	187 °F	176 °F	167 °F	167 °F	169 °F	171 °F	172 °F	176 °F	181 °F	183 °F		174 °F
149	FT_4500: MUW, Stm.														
150	Start Reading	108,000,920	108,625,350	109,223,930	110,048,380	110,930,600	112,558,100	114,221,400	116,171,550	118,338,360	119,857,960	120,614,020	121,216,110		
151	End Reading	108,625,350	109,223,930	110,048,380	110,930,600	112,558,100	114,221,400	116,171,550	118,338,360	119,857,960	120,614,020	121,216,110	121,697,700		
152	Period Use in units = 1 x GALL	624,430	598,580	824,450	882,220	1,627,500	1,663,300	1,950,150	2,166,810	1,519,600	756,060	602,090	481,590		13,696,780
153	FT_4200: MUW, CW.														
154	Start Reading	1,070,830,000	1,086,827,000	1,104,467,000	1,117,619,000	1,126,356,000	1,130,421,000	1,133,981,000	1,137,580,000	1,140,457,000	1,145,746,000	1,153,472,000	1,164,212,000		
155	End Reading	1,086,827,000	1,104,467,000	1,117,619,000	1,126,356,000	1,130,421,000	1,133,981,000	1,137,580,000	1,140,457,000	1,145,746,000	1,153,472,000	1,164,212,000	1,179,925,000		
156	Period Use in units = 1 x GALL	15,997,000	17,640,000	13,152,000	8,737,000	4,065,000	3,560,000	3,599,000	2,877,000	5,289,000	7,726,000	10,740,000	15,713,000		109,095,000
157	FT_4100: MUW, CHW.														
158	Start Reading	77,657,500	78,949,900	80,256,700	81,544,000	82,895,500	84,227,600	85,540,200	86,946,400	88,150,700	89,629,800	91,024,200	92,564,200		
159	End Reading	78,949,900	80,256,700	81,544,000	82,895,500	84,227,600	85,540,200	86,946,400	88,150,700	89,629,800	91,024,200	92,564,200	94,116,000		
160	Period Use in units = 1 x GALL	1,292,400	1,306,800	1,287,300	1,351,500	1,332,100	1,312,600	1,406,200	1,204,300	1,479,100	1,394,400	1,540,000	1,551,800		16,458,500
161	2" PLANT WATER														
162	Start Reading in 10 x scft	3,650,200	4,026,900	4,410,300	4,765,500	5,099,100	5,390,500	5,692,300	5,997,600	6,275,200	6,590,900	6,902,600	7,235,200		
163	End Reading	4,026,900	4,410,300	4,765,500	5,099,100	5,390,500	5,692,300	5,997,600	6,275,200	6,590,900	6,902,600	7,235,200	7,594,100		
164	Period Use in units = 1 x SCFT	376,700	383,400	355,200	333,600	291,400	301,800	305,300	277,600	315,700	311,700	332,600	358,900		3,943,900
165	6" PLANT WATER														
166	Start Reading	151,150,000	153,183,000	155,424,000	157,137,500	158,291,000	158,963,500	159,571,000	160,228,000	160,814,000	161,635,000	162,672,000	164,089,500		
167	End Reading	153,183,000	155,424,000	157,137,500	158,291,000	158,963,500	159,571,000	160,228,000	160,814,000	161,635,000	162,672,000	164,089,500	166,137,000		
168	Period Use in units = 1 x SCFT	2,033,000	2,241,000	1,713,500	1,153,500	672,500	607,500	657,000	586,000	821,000	1,037,000	1,417,500	2,047,500		14,987,000
169	2" DOMESTIC WATER														
170	Start Reading	2,212,000.0	2,245,000.0	2,277,000.0	2,301,000.0	2,334,000.0	2,361,000.0	2,384,000.0	2,407,000.0	2,430,000.0	2,453,000.0	2,486,000.0	2,514,000.0		
171	End Reading	2,245,000.0	2,277,000.0	2,301,000.0	2,334,000.0	2,361,000.0	2,384,000.0	2,407,000.0	2,430,000.0	2,453,000.0	2,486,000.0	2,514,000.0	2,533,000.0		
172	Period Use in units = 1 x SCFT	33,000	32,000	24,000	33,000	27,000	23,000	23,000	23,000	23,000	33,000	28,000	19,000		321,000

PERFORMANCE CALCULATIONS

Month		7	8	9	10	11	12	13	14	15	16	17	18	TOTAL
ELECTRIC-to-STEAM CONVERSION														
Emainutility	kWh	7,533,502	8,585,041	6,592,906	4,630,695	2,627,583	2,474,904	2,375,831	2,081,355	2,945,060	3,883,720	5,119,737	7,426,528	56,276,862
Echw,metered	kWh	7,333,064	8,386,778	6,373,030	4,418,284	2,381,539	2,220,783	2,105,235	1,811,593	2,700,870	3,689,329	4,930,324	7,236,071	53,586,899
Esteam,metered	kWh	53,184	51,683	54,935	81,296	117,285	122,955	142,052	152,692	109,769	65,171	55,857	53,234	1,060,113
Esteam,unmetered	kWh	1,040	882	1,374	2,302	5,747	6,516	7,686	8,589	5,010	2,168	1,457	984	43,755
CAPACITY TEST ADJUSTMENT, kWh	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Esteam,total	kWh	54,224	52,565	56,309	83,598	123,032	129,471	149,738	161,281	114,779	67,339	57,314	54,218	1,103,868
Customer Steam, Sn+e	lbs	18,017,977	17,032,978	18,148,131	25,305,093	43,744,951	47,550,738	58,925,381	61,877,382	39,368,914	22,210,355	16,372,785	13,200,733	381,755,418
nelec, actual	kWh/klb	3.009	3.086	3.103	3.304	2.812	2.723	2.541	2.606	2.915	3.032	3.501	4.107	2.892
FUEL GAS-to-STEAM CONVERSION														
Metered Plant Steam Send-out	lbs	23,613,000	23,050,000	23,429,000	30,518,000	47,444,000	51,378,000	62,539,000	64,931,000	43,920,000	27,650,000	22,245,000	19,709,000	440,426,000
CAPACITY TEST ADJUSTMENT, lbs	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED Plant Steam SO	lbs	23,613,000	23,050,000	23,429,000	30,518,000	47,444,000	51,378,000	62,539,000	64,931,000	43,920,000	27,650,000	22,245,000	19,709,000	440,426,000
Natural Gas use, NG	Dth	31,630.5	30,860.5	31,953.4	41,861.7	65,611.4	71,730.4	77,552.1	82,873.4	60,270.1	37,676.3	29,715.8	27,035.7	588,771.3
Propane Gas use, P	scft	0	0	0	0	0	0	0	0	0	0	0	0	0
	Dth	0	0	25	8	90	0	8,512	9,191	508	254	106	0	18,694
CAPACITY TEST ADJUSTMENT, Dth	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
TOTAL FUEL GAS USE	Dth	31,630.5	30,860.5	31,978.0	41,869.9	65,701.4	71,730.4	86,064.1	92,064.4	60,778.1	37,930.3	29,821.8	27,035.7	607,465.1
nhhv,actual	Dth/klb	1.340	1.339	1.365	1.372	1.385	1.396	1.376	1.418	1.384	1.372	1.341	1.372	1.370
Condensate Return, CR	gallon	2,293,100	2,229,200	2,070,800	2,943,500	4,332,700	4,744,700	5,877,900	6,031,700	4,010,600	2,673,400	2,109,600	1,901,400	41,218,900
% of SO	% of SO	79.20%	78.88%	72.09%	78.66%	74.48%	75.32%	76.66%	75.76%	74.48%	78.86%	77.35%	78.68%	76.33%
Condensate Return Energy	mmBtu	2,883	2,847	2,622	3,449	4,771	5,213	6,558	6,833	4,569	3,140	2,569	2,335	47,789
Condensate Return Temperature	avg	186 °F	189 °F	187 °F	176 °F	167 °F	167 °F	169 °F	171 °F	172 °F	176 °F	181 °F	183 °F	174 °F
nhhv,guarantee	Dth/klb													GUARANTEED MAX RATE CES FEA RATE
														1.682 1.594
WATER-to-STEAM CONVERSION														
Metered Steam Makeup, MW	Gallons	624,430	598,580	824,450	882,220	1,627,500	1,663,300	1,950,150	2,166,810	1,519,600	756,060	602,090	481,590	13,696,780
CAPACITY TEST ADJUSTMENT, Gallons	Gallons	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED Steam Makeup, MW	Gallons	624,430	598,580	824,450	882,220	1,627,500	1,663,300	1,950,150	2,166,810	1,519,600	756,060	602,090	481,590	13,696,780
Actual Steam Makeup, nwater	Gallons	630,674	604,566	832,695	891,042	1,643,775	1,679,933	1,969,652	2,188,478	1,534,796	763,621	608,111	486,406	13,833,748
Guarantee Steam Makeup, nguar.	Gallons	692,441	686,541	922,141	918,107	1,707,145	1,788,051	2,058,607	2,219,016	1,580,665	824,325	710,574	592,420	14,700,034
ELECTRICITY-to-CHW CONVERSION														
Emainutility	kWh	7,533,502	8,585,041	6,592,906	4,630,695	2,627,583	2,474,904	2,375,831	2,081,355	2,945,060	3,883,720	5,119,737	7,426,528	56,276,862
CAPACITY TEST ADJUSTMENT, kWh	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Echw,metered	kWh	7,333,064	8,386,778	6,373,030	4,418,284	2,381,539	2,220,783	2,105,235	1,811,593	2,700,870	3,689,329	4,930,324	7,236,071	53,586,899
Esteam,total	kWh	54,224	52,565	56,309	83,598	123,032	129,471	149,738	161,281	114,779	67,339	57,314	54,218	1,103,868
Echw,unmetered	kWh	146,214	145,698	163,568	128,813	123,012	124,650	120,858	108,481	129,411	127,052	132,099	136,239	1,586,096
Echw,total	kWh	7,479,278	8,532,476	6,536,597	4,547,097	2,504,551	2,345,433	2,226,093	1,920,074	2,830,281	3,816,381	5,062,423	7,372,310	55,172,994
Customer CHW, CHWs+e	Ton-hrs	8,202,921	9,126,468	7,064,889	4,894,379	2,453,524	2,313,288	2,209,676	1,886,136	3,182,642	4,413,433	5,698,285	8,180,769	59,626,410
nelec, actual	kWh/ton-hr	0.912	0.935	0.925	0.929	1.021	1.014	1.007	1.018	0				

CNE INVOICE RECONCILIATION - FY 2014 - 2015

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	7	8	9	10	11	12	1	2	3	4	5	6	TOTAL	
METER CHECKS AND ESTIMATES														
WATER METER CHECKS														
Utility Meters - Utility Dates	gallons	17,434,384	19,146,556	18,729,920	13,347,312	10,266,300	6,483,664	7,417,916	6,603,344	6,876,364	8,836,872	11,492,272	12,529,748	139,164,652
Utility Meters - Customer Dates	gallons	18,024,556	19,630,512	15,473,876	11,123,508	7,209,972	6,801,564	7,198,004	6,459,728	8,502,516	10,088,276	13,090,748	17,999,872	141,603,132
variance (line 184-line 183)	gallons	590,172	483,956	-3,256,044	-2,223,804	-3,056,328	317,900	-219,912	-143,616	1,626,152	1,251,404	1,598,476	5,470,124	2,438,480
% of TOTAL (line 183)		3%	3%	-17%	-17%	-30%	5%	-3%	-2%	24%	14%	14%	44%	1.75%
Plant Meters														
CHW	gallons	1,292,400	1,306,800	1,287,300	1,351,500	1,332,100	1,312,600	1,406,200	1,204,300	1,479,100	1,394,400	1,540,000	1,551,800	16,458,500
CW	gallons	15,997,000	17,640,000	13,152,000	8,737,000	4,065,000	3,560,000	3,599,000	2,877,000	5,289,000	7,726,000	10,740,000	15,713,000	109,095,000
STEAM	gallons	624,430	598,580	824,450	882,220	1,627,500	1,663,300	1,950,150	2,166,810	1,519,600	756,060	602,090	481,590	13,696,780
TOTAL	gallons	17,913,830	19,545,380	15,263,750	10,970,720	7,024,600	6,535,900	6,955,350	6,248,110	8,287,700	9,876,460	12,882,090	17,746,390	139,250,280
variance (line 191-line 184)	gallons	-110,726	-85,132	-210,126	-152,788	-185,372	-265,664	-242,654	-211,618	-214,816	-211,816	-208,658	-253,482	-2,352,852
% of TOTAL (line 184)		-1%	0%	-1%	-1%	-3%	-4%	-3%	-3%	-3%	-2%	-2%	-1%	-1.66%
CW MUW CHECK														
CHW Send-out	ton-hrs	8,849,000	9,836,700	7,590,800	5,363,800	2,787,500	2,632,400	2,470,500	2,112,200	3,417,800	4,711,700	6,007,100	8,505,500	64,285,000
CW MUW Rate	gall/ton-hr	1.808	1.793	1.733	1.629	1.458	1.352	1.457	1.362	1.547	1.640	1.788	1.847	1.697
FINAL MAKEUP WATER RESULTS														
CHW	gallons	1,292,400	1,306,800	1,287,300	1,351,500	1,332,100	1,312,600	1,406,200	1,204,300	1,479,100	1,394,400	1,540,000	1,551,800	16,458,500
CW	gallons	15,997,000	17,640,000	13,152,000	8,737,000	4,065,000	3,560,000	3,599,000	2,877,000	5,289,000	7,726,000	10,740,000	15,713,000	109,095,000
STEAM	gallons	624,430	598,580	824,450	882,220	1,627,500	1,663,300	1,950,150	2,166,810	1,519,600	756,060	602,090	481,590	13,696,780
TOTAL	gallons	17,913,830	19,545,380	15,263,750	10,970,720	7,024,600	6,535,900	6,955,350	6,248,110	8,287,700	9,876,460	12,882,090	17,746,390	139,250,280
variance	gallons	-110,726	-85,132	-210,126	-152,788	-185,372	-265,664	-242,654	-211,618	-214,816	-211,816	-208,658	-253,482	-2,352,852
% of TOTAL (line 184)		-1%	0%	-1%	-1%	-2%	-4%	-3%	-3%	0%	-2%	-2%	-2%	-2%
STEAM PLANT MASS BALANCE CK														
STEAM SENDOUT	kibs	23,613	23,050	23,429	30,518	47,444	51,378	62,539	64,931	43,920	27,650	22,245	19,709	440,426
STEAM PRODUCTION	kibs	25,066	24,229	25,012	33,100	52,756	57,263	69,321	72,105	48,490	30,133	23,990	20,841	462,306
variance	kibs	-1,453	-1,179	-1,583	-2,582	-5,312	-5,885	-6,782	-7,174	-4,570	-2,483	-1,745	-1,132	-2,120
CALC'D LOSSES														
BLOWDOI 4%	kibs	1,003	969	1,000	1,324	2,110	2,291	2,773	2,884	1,940	1,205	960	834	19,292
DEA VENT 0.50%	kibs	125	121	125	166	264	286	347	361	242	151	120	104	2,412
TOTAL CALC'D LOSSES	kibs	1,128	1,090	1,126	1,490	2,374	2,577	3,119	3,245	2,182	1,356	1,080	938	21,704
CONDENSATE RETURN														
8.15585	kibs	18,702	18,181	16,889	24,007	35,337	38,697	47,939	49,194	32,710	21,804	17,206	15,508	336,173
8.3453	kibs	5,211	4,995	6,880	7,362	13,582	13,881	16,275	18,083	12,682	6,310	5,025	4,019	114,304
TOTAL LEAVING PLANT	kibs	24,741	24,140	24,555	32,008	49,818	53,955	65,658	68,176	46,102	29,006	23,325	20,647	462,130
TOTAL ENTERING PLANT	kibs	23,913	23,176	23,769	31,369	48,919	52,578	64,214	67,276	45,391	28,113	22,230	19,527	450,476
OVERAGE / SHORTFALL	kibs	-828	-964	-785	-638	-899	-1,377	-1,445	-1,105	-893	-893	-1,094	-1,120	-11,653
% of TOTAL		-3.3%	-4.0%	-3.2%	-2.0%	-1.8%	-2.6%	-2.2%	-1.3%	-1.5%	-3.1%	-4.7%	-5.4%	-2.52%
FINAL CONDENSATE RETURN CALCULATIONS														
RECALC'D TOTAL ENTERING	kibs	25,483	24,855	25,291	32,968	51,313	55,573	67,628	70,221	47,485	29,876	24,024	21,266	450,476
RECALC'D COND. RETURN	kibs	20,272	19,869	18,411	25,605	37,731	41,693	51,354	52,138	34,804	23,567	19,000	17,247	450,476
variance	gallons	2,485,595	2,436,188	2,257,385	3,139,505	4,626,199	5,112,005	6,296,537	6,392,751	4,267,317	2,889,535	2,329,575	2,114,708	450,476



Exhibit 1



NASHVILLE, TENNESSEE

EXHIBIT 1 - CALCULATION DETAIL FOR PLANT PERFORMANCE PER APPENDIX 19

ELECTRICITY-TO-STEAM CONVERSION

(1)	E (MainUtility) = total electric use per main utility meters		56,276,862 kWh
(2)	E (Steam,metered) = metered electric use for steam plant		1,060,113 kWh
	MCC-3	389,120	
	MCC-4	670,993	
(3)	E (CHW,metered) = metered electric use for chilled water plant		53,586,899 kWh
	SWGR-2A	4,572,870	
	SWGR-2B	13,528,160	
	SWGR-3A	11,192,360	
	SWGR-3B	11,950,150	
	SWGR-4A	3,205,675	
	SWGR-4B	2,123,698	
	SWGR-5A	2,156,780	
	SWGR-5B	1,765,234	
	MCC-1	1,645,740	
	MCC-2	1,446,232	
(4)	Esteam,unmetered = un-metered electric use for steam plant = [(2) / (1)] x [(1) - (2) - (3)]		30,702 kWh *
(5)	Echw,unmetered = un-metered electric use for chilled water plant = (1) - (2) - (3) - (4)		1,599,149 kWh *
(6)	Esteam,total = total electric use for steam plant = (2) + (4)		1,090,815 kWh *
(7)	Customer Steam Sales, metered + unmetered		381,755,418 lbs

$$n \text{ (elec): Actual Steam Plant Electric Conversion} = (6) / [(7) \times 0.001] = 2.857 \text{ kWh/klb}$$

NATURAL GAS-TO-STEAM CONVERSION

(8)	NG = Total Natural Gas Use per main utility meters		588,771.3 Dth
(9)	P = Total Propane Gas		18,694 scft
(10)	HHV = Higher Heating Value of Propane		1.002520 Btu/scft
(11)	SO = Plant Steam Send Out		440,426,000 lbs
	Meter Reading at the beginning, n-1	3,892,224	
	Meter Reading at the end, n	4,332,650	
	Units of Measure	1 x SCFT	

$$n \text{ (HHV): Actual Plant Efficiency} = [(8) + (9) \times (10)] / [(11) \times 0.001] = 1.379 \text{ Dth/klb}$$

(12)	CR = Condensate Return per plant meter		41,218,600 gallons **
	Meter Reading at the beginning, n-1	217,083,800	
	Meter Reading at the end, n	258,302,400	
	Units of Measure	1 x SCFT	
(13)	H = Condensate Return energy		47,789 mmBtu
	Meter Reading at the beginning, n-1	58,198	
	Meter Reading at the end, n	105,987	
	Units of Measure	1 x MMBTU	

$$T \text{ (cr,avg): Average Condensate Return Temperature} = 174 \text{ }^\circ\text{F}$$



NASHVILLE, TENNESSEE

EXHIBIT 1 - CALCULATION DETAIL FOR PLANT PERFORMANCE PER APPENDIX 19

WATER-TO-STEAM CONVERSION

(14)	MW = Steam system makeup water plant meter		13,696,780 gallons
	<i>Meter Reading at the beginning, n-1</i>	108,000,920	
	<i>Meter Reading at the end, n</i>	121,697,700	
	<i>Units of Measure</i>	1 x SCFT	

n (water): Actual steam plant water use = (14) * 1.01 = 13,833,748 gallons

G (water): Guaranteed steam plant water use = [(11) / 8.15585 - (12) = 14,700,034 gallons

ELECTRICITY-TO-CHILLED WATER CONVERSION

(15)	E (chw,total) = Total CHW Electric use = (3) + (5) =	55,186,047 kWh *
(16)	Customer CHW Sales, metered + unmetered	59,626,410 kWh

n (elec): Actual chilled water plant electric conversion = (15) / (16) = 0.926 kw/ton

CONDENSER WATER-TO-CHILLED WATER CONVERSION

(17)	CM = Condenser water makeup plant meter		109,095,000 gallons **
	<i>Meter Reading at the beginning, n-1</i>	1,070,830,000	
	<i>Meter Reading at the end, n</i>	1,179,925,000	
	<i>Units of Measure</i>	1 x GALL	

n (water): Actual chilled water plant conversion = (17) / (16) = 1.830 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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Metro Access to Data Page 3

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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

CNE's corporate office has a relationship with Hewlett-Packard (HP) in Baltimore. Since CNE does not have an ITS Department in Nashville and the equipment ultimately belongs to Metro, CNE is free to select equipment which meets or exceeds industry standards. The following table shows equipment recently acquired by CNE for the Nashville DES:

<u>New 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. (Note: An equipment inventory is located in Appendix 1 to 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	Trend Micro Worry Free Business Security 7.0

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	Trend Micro Worry Free Business Security 7.0

Additional software installed on specific machines includes:

- Microsoft Office, Access - Administrative Operations Manager and the Office Manager.
- Adobe Acrobat X - General Manager and the Administrative Operations Manager.
- I-Maint - on work stations in the Control Room, Plant Operations Manager’s office, Operation Supervisor’s office, Maintenance Supervisor’s office, Instrumentation & Electrical Supervisor’s 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 Finance Manager) 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. 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 (quarterly) on-site backups, online diagnostics and operator coaching.

Program Review

The Information Technology Services Program is reviewed with Metro annually and updated as required. Revisions and changes will be noted in the Annual Report when applicable. (Rev.9 issued 2/27/14)

Appendix 1

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 Manager	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