



Fiscal Year 2013-2014

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 the eleventh “*Annual Report*” to the Metropolitan Government of Nashville and Davidson County, Tennessee (Metro). This report summarizes activities related to the overall performance and condition of the system for the past twelve months; beginning July 1, 2013 through June 30, 2014.

The system is made up of two basic parts, the Energy Generation Facility (EGF) and the Energy Distribution System (EDS). An exceptional, fully staffed, work force operated and maintained the system in a manner that continues to produce outstanding results. The availability and reliability of both steam and chilled water was above 99% and all of the contractual guarantees were met again this year. CNE has a perfect environmental record at this facility 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.

Another record I am excited to report is; plant personnel have worked accident free for the past thirty-five months. There have been no reportable, lost time or vehicle accidents during this time frame. With the amount and type of work that takes place on a daily basis, this is a remarkable accomplishment.

Throughout the month of January, the EGF experienced three separate natural gas curtailments. This is the first time this has ever happened. Plant personnel are to be commended for their diligence, switching back and forth between natural gas and propane, through these extraordinarily trying circumstances. I am proud to report there were no service interruptions to the DES customers as a result of these curtailments.

The system is currently near capacity. Metro has temporarily suspended the pursuit of new DES customers until additional data is collected on the actual load requirements of the Music City Convention Center. With the growth and development taking place south of Broadway, there are several potential new customers interested in using district energy. Now would be a great time to consider expanding the district energy system to accommodate this building boom.

As we complete the eleventh 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 open communication and teamwork, our success will continue in the future.

Sincerely,

A handwritten signature in blue ink that reads "Tim Hestle".

Tim Hestle
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 were no scheduled chilled water or steam outages during the year. Some customers requested service interruptions so they could make repairs in their respective buildings. With the exception of these, 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 eleventh 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

The Nashville District Energy System Invitational Golf Tournament took place on July 20, 2013 at Indian Hills Golf Course in Murfreesboro, Tennessee. This year marked the 21st Anniversary of this event and was the 10th 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 Hyatt Place Hotel began receiving temporary service July 18, 2013.

CNE Managers attended the annual meeting & scholarship fund raiser for the Association of Energy Engineers on September 16, 2013. CNE Managers attended the annual BOMA scholarship fund raiser September 27, 2013.

CNE Managers attended the Downtown Partnership Awards Banquet at the new Music City Convention Center October 2, 2013.

Metro's Internal Audit team took up temporary residence in the Metro Office in the EGF in November 2013. They moved out in January 2014.

On December 16, 2013, CNE employees enjoyed a BBQ lunch at the EGF in celebration of our 10 year anniversary operating the Nashville District Energy System.

Due to extremely low temperatures, the DES experienced its first ever natural gas curtailment. On January 3, 2014, plant personnel were notified of the impending outage. A contingency plan was immediately implemented and with propane being the plants back up fuel, a propane delivery schedule was developed. The first curtailment period occurred January 6th, 7th and 8th. A second curtailment occurred on January 23rd and 24th and a third curtailment took place on January 27th, 28th and 29th. By the third curtailment period, there was a nationwide propane shortage. Propane had to be secured from surrounding states and deliveries arrived in smaller quantities. A natural gas allotment was negotiated with the gas company to supplement propane shortfalls. Gas usage was coordinated with the gas company and propane was only used during the peak periods. Communications with Metro were conducted daily. Plant personnel are to be commended for working diligently to switch back and forth between natural gas and propane. I am proud to report there were no interruptions in service to the DES customers through these extraordinary circumstances.

Representatives from the state of Tennessee's new building Management Company, Jones/Lang/LaSalle, toured the EGF February 28, 2014.

Skanska Construction Company was selected as the General Contractor to build an Amphitheater on the old Thermal site for Metro. In order for CNE employees to service the DES Manholes located within the boundaries of the construction site, they had to complete a Safety Orientation Class provided by Skanska on March 20, 2014.

Constellation NewEnergy's NDES employees participated in the United Way Book Sort-a-Thon held at the Martha O'Bryan Center on March 20, 2014. The books were tagged, placed in a tote bag and the bags were boxed to be given to local children at a later date.



CNE Managers attended the Nashville Chapter BOMA Trade show on March 27, 2014.

CNE Managers attended an International Facility Managers Association meeting May 12, 2014, ASHRAE meeting May 16th, the Amanda Young Children's Cancer Research Fund Raiser May 19th and a Natural Gas Pipeline Seminar May 23, 2014.

Students from Miller-Motte College toured the EGF May 13, 2014.

The Annual DES Customer meeting was held May 22nd in the Downtown Partnership meeting room. During this meeting, an award was presented to CNE in appreciation for their performance over the past 10 years.



(l to r: Harry Ragsdale, Metro Contract Administrator, Tim Hestle, Plant/General Manager and John Schaffer, CNE Director of Operations)

CNE Managers attended the National Boiler annual meeting in Alabama on June 6, 2014 and an ATMOS Energy natural gas workshop on June 23 – 24.



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 6, 2013, the chilled water supply temperature rose above the guarantee for 14 minutes. This was due to an incoming power issue at the south substation which caused the chillers to trip offline. The chillers were re-started immediately. The highest temperature recorded was 45.5° F.

On July 10, 2013, the chilled water pumps stopped due to a communication issue with Insight which in turn tripped the chillers offline. The pumps and chillers were immediately restarted but, due to the system load at the time, the temperature was above the guarantee for approximately 94 minutes. The highest temperature recorded was 46.9° F.

During the month of November 2013 there was one instance where the plant operated outside the contractual guarantees. On November 6, 2013 at 11:40 p.m. the plant steam pressure dropped below 150 psi for approximately 45 minutes while placing another boiler online due to load. The pressure dropped to 142.2 psi but did not cause an issue with any customers.

On December 24, 2013, at 7:53 a.m., the plant steam pressure dropped below 150 psi for approximately 45 minutes while placing another boiler online due to load. The lowest pressure recorded during this period was 139.2 psi which did not cause an issue with any of the DES customers.

During the month of January 2014, there was one instance where the chilled water exceeded the reportable threshold. The starter failed on #6 Chiller while attempting to place it in service on January 15th. Another chiller was put on line, but the temperature rose to 44.1° F for approximately 30 minutes.

On February 8, 2014 the burner on #4 Boiler would not light due to a problem with a natural gas supply valve. Another Boiler was started, but during the process steam pressure dropped to 122 psi. The plant was below 150 psi for approximately 60 minutes. The Maxon valves on #4 Boiler were removed, cleaned, tested, reinstalled and put back in service the same day.



During the month of February 2014, there was an issue with a faulty relief valve on #1 Boiler. It lifted prematurely causing the steam pressure to drop below 150 psi. On the 7th, the pressure drop did not exceed the 30 minute reporting requirement; however, on the 10th and 14th the pressure was below the guarantee for approximately 60 minutes each time.

On March 2nd, during an operations training exercise, the boiler pressure dropped below 150 psi for approximately 30 minutes. The lowest pressure was 145.3 psi.

On April 11th, while placing an additional boiler online the pressure dropped to 141 psi and stayed below the reportable threshold for approximately 45 minutes.

On April 15th, #1 and #2 Boilers tripped due to water level fluctuations and the pressure was below 150 psi for approximately 60 minutes.

While performing semi-annual combustion analysis on May 15, 2014, there were two instances where the boilers tripped offline. This process requires the firing rate to be increased in 10 percent increments while taking flue gas measurements and the adjusting the fuel/air mixture as necessary. No customer issues were reported as a result of these trips. The first occurred at 5:38 a.m. and the pressure returned to normal at 7:38 a.m. The second occurred at 10:38 a.m. and pressure returned to normal at approximately 11:38 a.m. The lowest pressure during this timeframe was 72 psi.

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 were no scheduled outages.

	Downtime		Availability	Reliability
	Scheduled	Unscheduled		
Boilers	0 minutes	585 minutes	99.89%	99.89%
Chillers	0 minutes	138 minutes	99.97%	99.97%



Plant Efficiency

As usual, following the annual boiler inspections at the end of July 2013, 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 Fiscal Year 2013 - 2014 on September 19, 2014. 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 table below represents the efficiency guarantees from July 1, 2013 through June 30, 2014:

	Units of Measure	Contractual Guarantee	Actual Rate
1. Electricity-to-Steam	kWh per klb	6.000	2.924
2. Fuel-to-Steam	Dth per klb	1.673	1.363
3. Water-to-Steam	Gallons	940019	874535
4. Electricity-to-Chilled Water	kWh per ton-hr	1.055	0.846
5. Water-to-Chilled Water	Gallons per ton-hr	5.250	1.688



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 was submitted to the Metro Health Department on July 11, 2013.

The Air Emissions Permit renewal application was sent to the Metro Health Department on October 22, 2013.

The Semi-Annual Emissions Report was submitted to the Metropolitan Health Department on January 9, 2014.

The Title V Annual Compliance Certification was sent to the EPA and the Metro Health Department on January 10, 2014.

The Green House Gas Monitoring Plan revised to include new calculations.

The Annual Emissions Inventory Report for CY2013 and the Annual Emissions Fees were sent to the Metropolitan Health Department on January 29, 2014.

The Annual Tier II Reports were sent to the State Emergency Response Commission, Nashville Fire Department and the Davidson County LEPC on February 7, 2014.

February 18, 2014, CNE received a letter from Homeland Security stating the NDES facility is not considered a high risk facility and is no longer subject to the CSAT regulatory requirements.

February 19, 2014, the Annual Greenhouse Gas Report was electronically filed with the U.S. EPA.



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 have been no reportable or lost time accidents for the past 35 months.

Monthly safety meetings were coordinated and scheduled by the CEPS 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 2013	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
January 2014	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
Total	0	0	0	0



System Assessment and Status

Personnel

The plant is fully staffed with an exceptional work force. CNE prides itself on keeping employees engaged which results in a very low turnover rate. There were no personnel changes during FY 2013-14.

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:

- All employees completed Exelon Ethics training. This included three courses; Code of Business Conduct, Preventing Work Place Violence and NERC General Awareness.
- On September 18, 2013, CNE personnel participated in training classes on “Respect, Professionalism and Performance” and “Appropriate Workplace Behaviors” provided by Constellation’s Corporate Legal Department and Human Resources Department.
- CNE employees completed corporate Retail Power Compliance Training
- CNE employees completed corporate Environmental Management Training
- CNE’s Finance & Administrative OPS Representative attended a CPE continuing education class on February 18, 2014.
- Plant Managers attended a Natural Gas Pipe Line Seminar May 23, 2014.
- CNE’s General Manager and Administrative Operations Representative attended the ATMOS Energy Natural Gas Workshop June 23 – 24.

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 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.

The annual DES customer meeting took place May 22, 2014 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.

Tom Thompson retired after 34 years with Marriott International. Mr. Thompson ended his career at the Nashville Renaissance Hotel and Convention Center. During his tenure in Nashville, he served on the DES Advisory Board and was Vice-Chair the last 5 years.

Ted Welch, a longtime customer and supporter of the DES passed away in March. Mr. Welch was the owner of Rodgers/Welch Investments and the Renaissance Office Tower. He was a pillar in the community and will be missed by all who knew him.



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 tanks were inspected in July 2013. #1 and #3 boilers and #2 de-aerator tanks were recently inspected in June 2013. 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 2014.

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 Chillers 1, 2 and 5. Controls and purge units are also checked for proper operation.



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

The infrared testing conducted on the chiller motor starters found three loose connections on Chillers 1B and 6A and 8A. The fuses were removed, cleaned and checked for tightness. A follow up test indicated the repairs were successful.

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.

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 2013

- Repaired tube leak on #3 Boiler
- Replaced sight glass on #4 Boiler
- Trane replaced the solenoid valves on Chiller 6A purge unit.
- Replaced belt on #3 Air Handler
- Trane replaced the suction temperature sensors on Chillers 2B, 4B, 5A and 8B.
- Replaced the junction box on #14 Cooling Tower motor.
- Calibrated #3 Boiler O₂ Analyzer

August 2013

- Repaired tube leak on #4 Boiler
- Replaced batteries in Man lift
- Replaced several high bay lights above chillers
- Replaced the UPS on the softener controller
- Trane replaced the resistor on #6 Chiller
- Replaced bearings on #10 Cooling Tower fan shaft
- Metro Water tested backflow preventers at the plant—All passed
- Adjusted the belts on #9 and #11 Cooling Towers
- Removed bladder from #1 Expansion Tank

September 2013

- Replaced bearings on #14 Cooling Tower fan
- Replaced belt on #11 Cooling Tower
- Placed fluorescent dye in chilled water system to help identify leaks
- Repaired leak on water heater
- Repaired leak on RLT 2205 Chemical Pump
- Rebuilt #1 Softener Controller
- Repaired vibration switch on #14 Cooling Tower

October 2013

- Repaired Maxon Gas Valves on #1 and #2 Boilers
- Rebuilt #2 Sulfite Pump and installed new check valves on #1 Sulfite Pump
- Replaced belts on #1, #5 and #13 Cooling Towers
- Installed Safety/Security Gate at Mezzanine roll up door
- Replaced strainer drain valve on #5 CHWP
- Repaired leak on BWT 6140 Chemical Pump
- Replaced display on Boiler Master Controller
- Drained and winterized irrigation system
- Repaired the igniter on #3 Boiler

November 2013

- Replaced 3/8 inch valve on #4 Boiler Blowdown Line
- Installed new bladder in #1 Expansion Tank
- Replaced 2 inch check valve on #4 Boiler Blowdown Line
- Repaired Maxon Valve on # 4 Boiler
- Repaired grease lines on Cooling Towers 11,15,16 & 18
- Replaced belt on # 2Cooling Tower
- Repaired leaks on #2 and #3 Phosphate Pumps
- Repaired leak on #1 Boiler Feedwater Valve

December 2013

- Replaced packing on #3 Condensate Pump
- Removed #4 Condenser Water Pump Motor and prepped for replacement
- Assisted Metro Water replace 2 inch water meter
- Repaired leak on #3 Phosphate Pump
- Replaced check valve and unloader on #1 Air Compressor
- Cleared RLT 4377 Amine Pump lines and bled air from pump

January 2014

- Replaced valve on propane fill line
- Repaired coil and replaced steam trap on #4 Air Curtain
- Replaced water column and sight glass blow down valves on #3 Boiler
- Replaced #1 Sulfite pump
- Removed and cleaned natural gas Maxon Valves on #2 Boiler
- Replaced continuous blowdown valve on #1 Boiler
- Installed new motor on #4 Condenser Water Pump
- Rebuilt #2 and #3 Softener Aquamatic Valves

February 2014

- Installed new pressure gauge on #1 Boiler
- Repaired leak on #1 Boiler Safety Valve
- Repaired 2205 Chemical Pump
- Removed and cleaned natural gas Maxon valves on #4 Boiler
- Repaired RLT 4377 Chemical Pump
- Rebuilt #1 Softener Controller
- Installed new outside air temperature/humidity sensor
- Installed new soft starter on #4 CWP

March 2014

- Replaced belt on #4 Cooling Tower
- Repaired Maxon Valve on #3 Boiler Natural Gas Line
- Replaced Continous Blowdown valve on #2 Boiler
- Installed pipe rack in Maintenance Shop
- Repaired #2 Phosphate Pump
- Drained and cleaned Filming amine storage tank
- Replaced Fan Motor on Unit Heater beside #5 CHWP

April 2014

- Replaced motor on Fire Sprinkler System Air Compressor
- Replaced Bearings on #3 & #4 Cooling Tower
- Removed and cleaned strainer on #6 Condensate Pump
- Inspected the lawn irrigation system and placed in service for summer
- Repaired lightning protection on #1 & #2 Boiler Stacks



May 2014

- Repaired #1 Sulfite Pump
- Goodwin's Boiler Service repaired tube leak on #3 Boiler
- Replaced cooling fan on #3 BFWP motor
- Repaired PVC Recirculation lines on #8 and #12 Cooling Towers
- Replaced bearings on #7 Cooling Tower Fan Shaft
- PGTI replaced the relay on Switchgear 2A
- Removed and cleaned the #1 Boiler Maxon Valve

June 2014

- Installed new cooling fan on #4 Chiller Motor VFD
- Cleaned debris from strainer on Cooling Tower blow down meter
- Trane replaced the purge unit on #6B Chiller
- Trane and CNE balanced Chiller condenser flows
- Repaired RLT 2205 Chemical Pump
- Repaired grease line to #11 Cooling Tower Motor bearings
- Mowed lawn weekly

Modifications and Improvements

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



Installed new fill in Cooling Towers 10, 11, 15 and 18



Re-coated the basins and riser pipes in Cooling Towers 10, 11, 15 and 18



Sealed and Striped Parking Lot

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 Regions Bank Building, located at 401 Union Street and in the Municipal Auditorium. These units are inspected for proper operation monthly.

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 FY12-13.

July 2013

- CNE Maintenance personnel assisted TEG with bypassing the heat exchanger at the Sheraton Hotel on July 3, 2013. They also assisted when the building was returned to normal operation on July 10, 2013.
- CNE Maintenance personnel replaced approximately 20 feet of 2 inch condensate pipe and a 2 inch expansion joint on July 13, 2013 in the State Tunnel.
- CNE Maintenance personnel replaced the Air Compressor to the State Loop PRV located in the basement of the Andrew Jackson Building on July 15, 2013.
- CNE Maintenance and I&E personnel isolated and drained a section of the chilled water piping in the MCC on July 16, 2013 and replaced the RTD's and wells.
- CNE I&E personnel replaced the shedder bar on the 2 inch steam meter at the MCC on July 16, 2013.
- The new well and RTD on the MCC chilled water supply line failed and was replaced with a temporary well on July 17, 2013. A permanent repair will be made in the next 30 days.



August 2013

- CNE Maintenance personnel placed zip ties and tags on the tempering station valves at the Municipal Auditorium to prevent tampering.
- CNE Maintenance personnel assisted the contractor working on the Andrew Jackson Chilled Water System with re-energizing the piping on August 7, 2013.
- CNE Maintenance personnel removed the old condensate piping, for the 4th & Church Building, from the vertical shaft in the tunnel on August 10, 2013.
- CNE Maintenance checked manholes, tunnels and outfall drains for chilled water leaks during the month.
- CNE Maintenance and I&E personnel replaced isolation valve on the pressure transmitter at the Wildhorse Saloon on August 28, 2013.

September 2013

- CNE's CSR and Operations Manager isolated the chilled water supply line to the Bridgestone Arena and removed a leaking insertion meter on September 5, 2013.
- CNE Maintenance personnel isolated the steam in Manholes 5 and 15 on September 13th for the **DES-100 Manhole 10 Project**. Steam service was restored on September 21st.
- CNE Maintenance personnel replaced the condensate piping in the vertical tunnel shaft for the 4th & Church Building. This work took place on September 7th, 8th, 14th and 15th.
- CNE Maintenance checked manholes, tunnels and outfall drains for chilled water leaks.
- CNE Maintenance and I&E personnel replaced RTD's and wells at the MCC on September 19, 2013.
- CNE's CSR and Operation Manager re-coupled the Sheraton Hotel to the DES chilled water system to allow the customer to clean the heat exchanger on September 23, 2013. The building was decoupled and placed back in normal operation on September 25, 2013.
- CNE I&E personnel replaced UPS on Andrew Jackson PRV Alarm Panel.

October 2013

- CNE's CSR and I & E personnel relocated the chilled water supply RTD at the Wells Fargo Building on October 4, 2013.
- CNE Maintenance personnel restored steam service to the 4th & Church Building on October 17, 2013.

November 2013

- CNE Maintenance personnel repaired a leak on the steam line in the mechanical room of the 401 Union Building on November 7, 2013.
- CNE Maintenance personnel isolated the steam to the Andrew Jackson Building on November 9, 2013 so that contractors could make repairs. The steam was restored to the building approximately 10 hours later.
- CNE Maintenance personnel repaired a leak on the high pressure condensate line in the state tunnel on November 9, 2013.



- CNE Maintenance personnel assisted contractors removing mud from Manholes M and N2 on November 25, 2013.

December 2013

- On December 16, 2013, CNE Maintenance personnel assisted the insulation contractor complete their work on the 4th and Church Building condensate piping replacement project.
- CNE Maintenance personnel discovered a direct buried chilled water valve access cover missing near Manhole B4 on December 20, 2013. A temporary cover was fabricated and installed to prevent damage to vehicles traveling in the area.

January 2014

- On January 3, 2014, CNE Maintenance personnel isolated the chilled water to the Andrew Jackson Building due to the failure of an isolation valve on one of the building chilled water pumps. A contractor made the necessary repairs and chilled water was restored to the building.
- On January 16, 2014, CNE Maintenance personnel took condensate samples and flushed the condensate lines at Manhole 18 due to high hardness and conductivity readings at the plant. Further testing revealed that this condensate was acceptable to return to the plant.
- On January 17, 2014, CNE Maintenance personnel repaired a vent valve leak on the chilled water supply to LP Field.
- On January 30-31, 2014, CNE Maintenance personnel assisted in the hydrostatic testing of the new ductile iron chilled water lines at the Sheraton Hotel.

February 2014

- CNE I & E personnel set up Daylight Savings Time/Central Standard Time and deleted 2013 data from the entire customer CX Panels throughout the month.
- On February 24, 2014, CNE I & E personnel disconnected the AHU pressure transmitter connections from the CX Panel at the Sheraton Hotel. The hotel is in the process of integrating the DES side pumps and the TCW into the control scheme for their building.
- On February 1, 2014, CNE Maintenance personnel assisted in the hydrostatic testing of the new ductile iron chilled water lines at the Sheraton Hotel.
- As a result of more than two inches of rain, CNE Maintenance personnel assisted the contractor working on the Sheraton Hotel project by pumping out the pipe trench on February 4-5, 2014.

March 2014

- CNE's CSR and Maintenance personnel isolated the chilled water to sections of the distribution system and individual buildings in the early mornings of March 13th, 21st, 24th and 25th in an attempt to find the source of increased makeup. This will continue during the month of April.



April 2014

- CNE's Maintenance personnel repaired a steam leak on a strainer at the Schermerhorn Symphony Building on April 17, 2014.
- CNE's Maintenance personnel isolated the chilled water to the Bridgestone Arena on April 23, 2014 so that the customer could install new temperature sensors. The chilled water was off for approximately 2 hours.
- CNE's Operations Manager and Maintenance personnel re-marked the steam, condensate and chilled water lines on the Old Thermal Plant site on April 30, 2014 at the request of the Contractors performing work on the new Amphitheater.

May 2014

- CNE's Maintenance personnel isolated the chilled water to LP Field on May 2, 2014 to allow repairs to the temperature control valve (TCV). Service was restored on May 3rd.
- CNE's Maintenance personnel checked several customers' condensate systems during the month due to high hardness readings.

June 2014

- CNE's Maintenance personnel isolated the chilled water to the Metro Courthouse on June 1st so back wash valves could be installed on the DES side and Customer side of the heat exchanger. CNE personnel performed the initial flush on both sides of the heat exchanger which increased the flow rate approximately 100 gpm on the DES side. Service was restored later the same day.
- CNE's Maintenance personnel checked the Renaissance Hotel condensate system several times during the month due to high hardness readings. Hotel personnel replaced the coils on one of the heat exchangers and following test indicating no hardness. Condensate was returned to the DES system on June 23, 2014.
- CNE's Maintenance and I & E personnel removed a failed sump pump at Manhole 9 on June 16, 2014. A new pump was ordered and is expected to be installed in the early part of July.

DES Projects

A lack of funding kept several projects from being initiated during the past year; however, the following were performed:

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

TEG is to furnish scope for this project.

DES-098 Hyatt Place Hotel Service Connections

CNE and TEG personnel witnessed the hydro of the Steam, Condensate and Chilled water lines on July 1, 2013. The customer began receiving temporary chilled water service on July 18, 2013 and steam service on July 29, 2013. The wireless remote access system (Netbiter) for the CX Panel was installed on July 23, 2013. The hotel had its grand opening November 13, 2013.



Hyatt Place Metering Devices



Hyatt Place Metering Devices

DES-100 Manhole 10 Vault Lid Replacement and Sump Pump Installation

A second Pre-bid meeting for the vault rebuild was held on August 13, 2013. Bids were received and F.M. Sylvan was verbally awarded the contract on August 27, 2013. A pre-construction meeting was conducted on September 3, 2013 in the EGF Conference Room. This project began on September 9, 2013 and substantial completion was achieved on September 27, 2013. The striping of the traffic lanes was completed on October 4, 2013. The insulation blankets were installed on October 18, 2013. Change Order #1 was approved for work related to hand excavation required on a duct bank not shown on the survey and excavation and insulation of condensate line on east side of manhole. Piedmont Natural Gas Company finally furnished the documentation required to get their line relocation invoice paid so this project could be closed.



Manhole 10 Steam Isolation Valve



Manhole 10 Manhole Rebuild

DES-101 Manhole 1 Abandonment

The demolition of the structural steel and piping in Manhole 1 began on July 22, 2013 and the installation of the steam and condensate piping began the following day. Steam service was restored on July 25, 2013. The clean out of the manhole, removal of the ladder and the installation of flowable fill was completed the week of July 29th. A walkthrough was conducted on for manhole 1 and 2 on August 1st and a punch list developed. The punch list items were completed on August 21, 2013.



Manhole 2 Trap Assembly
Capped Steam and Condensate lines



Manhole 2 Condensate Line with
Sparge Tube Assembly

DES-102 DES Customer Chilled Water Delta T Control Modifications

C-Tech began the project to modify the Delta T controls at the customer chilled water metering panels on November 25, 2013. This work was completed in the early part of December 2013.

DES-103 Sheraton Hotel Chilled Water Service Modifications

TEG and CNE gathered information on this project during the month of October 2013. A Pre-bid Meeting was held on November 22, 2013 in the EGF Conference Room to discuss the bid documents and review the drawings. A site review was conducted following the meeting at the Sheraton Hotel with the four bidders present. A verbal award of the contract was given to PPMI on December 9, 2013. The exterior work began on January 24, 2014. The exterior portion of the project, with the exception of final paving was completed on February 6, 2014.

The interior piping began on February 11, 2014 and substantial completion was achieved when the new lines were placed into service on February 24, 2014. A punch list was generated as the result of the walkthrough also conducted on

February 24th. The punch list was completed on February 26, 2014. The final paving and striping was completed on April 22, 2014 in conjunction with the final paving at the Sheraton Hotel entrance. Public Works was notified to inspect and sign off on paving work.

The backup documentation for Change Order #4 was reviewed on April 30, 2014 and the Change Order was approved by the Contract Administrator on May 6, 2014.

All outstanding items have been completed to close this project.



Sheraton Hotel Exterior Chilled Water Piping



Sheraton Hotel Interior Chilled Water Piping

- DES-104** **DES Customer Billing System Modifications - Time of Day Electric Use**
CNE is waiting on a detailed proposal from their software vendor to perform this work.
- DES-105** **4th & Church Building Pipe Chase Structural Repairs**
CNE is waiting on TEG to provide scope for this project. This work will be done in conjunction with DES-089.
- DES- 106** **Metro Courthouse Chilled Water Service Modifications**
Phase 1
DES-106.1 Install Taps and back wash valves on DES and Building Side Heat Exchanger
CNE coordinated with Dillingham and Smith to install valves on the inlet and outlet on both the DES and Building sides to the heat exchanger. These valves were installed on June 1, 2014 and CNE personnel back flushed the heat exchanger on the respective sides. The heat exchanger was put back in service and insulation was restored.



Courthouse HX Drain and Backwash Valves

Phase 2

DES-106.2 Install Bypass around Heat Exchanger

To be scheduled after the cooling season.

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 2013-2014

- A. A. Birch Tunnel Structural Repairs and Water Infiltration Remediation
- Continue Pipe insulation restoration in manholes
- Continue Pipe insulation restoration in tunnels
- Replace Bellows Expansion Joint in Manhole 23
- 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 steam and condensate service lines to the Sheraton Hotel
- Replace steam and condensate 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 an alternative back up fuel source
- Investigate to the possibility of a satellite plant
 - This would provide complete system back up in case a catastrophe occurred at the EGF. It would also allow potential new customers to be served south of Broadway.
- Investigate system expansion from existing EGF
 - Add additional boiler, chiller and associated equipment to existing plant
 - Add new service lines from plant, west on Peabody Street and north 4th Avenue connecting to existing lines at Molloy Street to allow for supply piping system redundancy.

Sales and Marketing

Sales and Marketing Review

The potential exists for a major system expansion. Due to the volume of development taking place south of Broadway, several potential new customers have been identified. The proposed new buildings are as follows:

- A Hotel has been proposed to be built on Broadway between 2nd and 3rd Avenue.
- A mixed use complex is slated to be built at 2nd Avenue and Demonbreun.
- A hotel has been proposed to be constructed on Korean Veterans Parkway between 4th and 5th Avenue.
- A mixed use building is currently being built on Peabody Street between 3rd Avenue and Almond Street. This opportunity is no longer available.
- A mixed use building is being considered for 1st Avenue & Molloy Street.
- A Hotel has been proposed to be built in the Baptist Church parking lot at 6th and Demonbreun. Financing for this project fell through, so it is currently off the table.
- A hotel at 8th and Demonbreun and another at Korean Veterans Parkway and 8th Avenue are too far from the existing EDS if capacity were available.
- A small existing office building at 1st Avenue & Church Street has also expressed interest in DES services.

Customers currently on the system have sold their buildings and/or are contemplating a different use for their property includes:

- The 401 Union Building – Former Regions Bank to be converted to a Boutique Hotel
- Wachovia Plaza - Former Wachovia Bank to be converted to a Boutique Hotel
- 4th & Church Building - Former SunTrust Bank to be converted to a mixed use complex
- Old Nashville Convention Center – Proposed conversion to a parking and mixed use complex

Since the Music City Center is now on line, Metro has decided not to pursue additional customers until more experience has been gained with the actual load requirements of this mammoth building.

Continuing activities include:

- A Sales and Marketing Report is included in the Monthly Operations Report.
- The DES E-newsletter is produced and issued twice per year.
- The CNE/NDES Annual Golf Tournament for existing and potential customers as well as strategic partners.
- CNE personnel participate in Nashville Business groups and developers meetings held throughout the year.
- CNE management staff attends meetings and social events to target local engineering, development and business groups and provide presentations and tours of DES to point out the positive attributes of the system.



The following table, furnished by Thermal Engineering Group, Inc., June 18, 2014, indicates the remaining system capacity.

System Capacity	65.32%	69.14%
	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	155,025
Maximum System Peaks	17,892	154,705
Net Undiversified Capacity Available for Sale	2,508	320
Net Diversified Capacity Available for Sale	3,840	463
Contract Capacity for Existing Customers	30,533	297,389
Diversified Potential for Contract Capacities	37,086	298,279



Utilities and Fuel Procurement

During FY 2013-2014, CNE provided proactive support to Metro in the areas of fuel procurement and risk management. Metro, in a collaborative effort with CNE, Fellon-McCord and Associates, Inc. and Gas Supply Consulting Company, made natural gas and propane procurement recommendations. 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 Atmos Energy Marketing Company (“AEM”) under the terms and conditions of an agreement between CNE and AEM for a service period extending through June 2014. The costs includes the amount paid to AEM 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.

Following is a report of the natural gas purchased in FY2013-2014:

Natural Gas

Month	Quantity (DT)	Unit Cost	Amount
July, 2013	28,138.2	\$ 4.7587	\$ 133,900.96
August	27,589.2	\$ 4.6372	\$ 127,937.28
September	27,741.0	\$ 4.7110	\$ 130,689.08
October	44,082.1	\$ 4.4700	\$ 197,045.98
November	65,150.0	\$ 4.3125	\$ 280,961.92
December	81,149.5	\$ 4.4473	\$ 360,892.32
January, 2014	97,045.7	\$ 6.4288	\$ 623,884.06
February	81,161.6	\$ 5.5492	\$ 450,378.72
March	70,406.7	\$ 5.2014	\$ 366,214.07
April	43,945.6	\$ 5.1698	\$ 227,188.47
May	32,231.0	\$ 5.4386	\$ 175,290.57
June	29,812.7	\$ 5.3965	\$ 160,883.86
Total	628,453.3	\$ 5.1480	\$ 3,235,267.29



Below is the report for propane used during FY2013-2014:

Propane

Month	Quantity (DT)	Unit Cost	Amount
July, 2013	8	\$ 17.6447	\$ 144.51
August	0	N/A	\$ -
September	0	N/A	\$ -
October	0	N/A	\$ -
November	33	\$ 17.5167	\$ 578.05
December	25	\$ 17.3416	\$ 433.54
January, 2014	7847	\$ 22.7680	\$ 178,660.44
February	40	\$ 32.0258	\$ 1,281.03
March	0	N/A	\$ -
April	0	N/A	\$ -
May	0	N/A	\$ -
June	0	N/A	\$ -
Total	7953	\$ 22.7710	\$ 181,097.57

During FY2013-2014, electricity was purchased each month based on the Nashville Electric Service rate schedule.

Electricity

Month	Quantity (Kwh)	Unit Cost	Amount
July, 2013	7,226,986	\$ 0.10500	\$ 758,862.76
August	7,360,046	\$ 0.10287	\$ 757,156.39
September	6,134,690	\$ 0.10773	\$ 660,906.64
October	4,533,314	\$ 0.07134	\$ 323,388.25
November	2,738,163	\$ 0.07389	\$ 202,335.75
December	2,761,480	\$ 0.09303	\$ 256,896.12
January, 2014	2,413,808	\$ 0.08616	\$ 207,969.30
February	2,279,395	\$ 0.09598	\$ 218,771.63
March	2,722,841	\$ 0.09295	\$ 253,095.40
April	3,824,365	\$ 0.07831	\$ 299,475.05
May	5,323,567	\$ 0.07623	\$ 405,820.07
June	7,515,931	\$ 0.10898	\$ 819,072.20
Total	54,834,586	\$ 0.09417	\$ 5,163,749.56



The following table indicates the water purchased based on the Metro Water Department rate schedule.

Water & Sewer

Month	Quantity (Kgal)	Unit Cost	Amount
July, 2013	15,785,044	\$ 0.00364	\$ 57,455.35
August	16,494,896	\$ 0.00364	\$ 60,009.14
September	19,304,384	\$ 0.00365	\$ 70,395.13
October	12,644,192	\$ 0.00365	\$ 46,089.86
November	9,785,336	\$ 0.00366	\$ 35,788.77
December	5,402,804	\$ 0.00369	\$ 19,909.81
January, 2014	7,417,916	\$ 0.00366	\$ 27,185.54
February	7,031,948	\$ 0.00367	\$ 25,788.99
March	6,514,332	\$ 0.00366	\$ 23,864.00
April	7,383,508	\$ 0.00366	\$ 27,035.27
May	10,374,760	\$ 0.00365	\$ 37,880.14
June	15,102,868	\$ 0.00364	\$ 54,973.24
Total	133,241,988	\$ 0.00365	\$ 486,375.24



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 fiscal year 2013-2014.

Appendix 3 – Customer Rate Reconciliation

Monthly Reconciliation charts from July 2013 to June 2014 are found in this appendix. The final chart is a Summary Reconciliation table for FY 13-14.

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).

- a. **Facilities Capital Charge** – The debt service on revenue bonds issued for the project.
- b. **System Operator Charge** – Includes the system operator’s fee which is most of the operations and maintenance costs of the system.
- c. **EDS Improvements Charge** – Due to a CPI adjustment of 1.0157%, the annual replacement and repair allowance was \$187,265 for FY 13-14.
- d. **Metro Incremental Administrative Charge** – Per the customer service agreement are the “actual, reasonable and necessary” cost over and above current Metro operating costs to manage the DES system and operator.
- e. **Pass Through Charges** –
 - i. **Water and Sewer** – The actual cost of providing water and sewer services.
 - ii. **Water Treatment Chemicals** – The actual cost of chemicals for treating water.



- iii. **Engineering** – The engineering costs required for any non-capital projects, customer related issues, meetings, etc.
 - iv. **Insurance** – The cost to maintain all-risk property insurance and business insurance policies.
 - v. **EDS Electricity** – The cost of electricity for tunnel lights and safety equipment.
 - vi. **EDS Surcharge** – Surcharge to private customers only to cap their annual cost of any EDS repairs made by Metro (\$73,621).
- f. **Energy Charges** –
- i. **Electricity** – The actual cost of electricity.
 - ii. **Natural Gas** – The actual cost of natural gas.
 - iii. **Propane Gas** – The actual cost of propane.

Appendix 4 – CEPS Invoice Reconciliation (FEA)

Exhibit 1 – Performance Guarantee Calculations



Appendix 1



**Metro Nashville District Energy System Customers
June 30, 2014**

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	Convention Center
6	4 th & Church Building	23	Library & Archives	37	Bridgestone Arena
7	Fifth-Third Financial Center	24	Supreme Court	38	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
FY 13 - 14*

Chilled Water and Steam Revenues

Customer No.	Customer Name	July	August	September	October	November	December	January	February	March	April	May	June (including True Up)	Total
2	A. A. Birch	\$ 67,126.97	\$ 68,080.73	\$ 68,195.73	\$ 55,712.66	\$ 48,195.14	\$ 54,625.95	\$ 69,474.52	\$ 58,928.33	\$ 57,970.72	\$ 55,485.10	\$ 59,919.63	\$ 66,321.30	\$ 730,036.78
4	Historic Metro Courthouse	\$ 27,767.23	\$ 28,009.13	\$ 26,649.06	\$ 23,919.25	\$ 24,870.38	\$ 28,996.77	\$ 36,363.93	\$ 29,664.15	\$ 28,422.00	\$ 24,252.12	\$ 22,079.38	\$ 25,432.23	\$ 326,425.63
7	Parkway Towers	\$ 27,136.10	\$ 26,125.70	\$ 25,181.31	\$ 22,506.72	\$ 27,030.50	\$ 29,436.97	\$ 39,753.59	\$ 31,973.33	\$ 29,203.13	\$ 25,044.64	\$ 23,602.05	\$ 22,848.01	\$ 329,842.05
9	Wells Fargo Plaza	\$ 20,810.95	\$ 22,350.30	\$ 13,471.41	\$ 10,604.03	\$ 9,270.87	\$ 9,578.77	\$ 12,880.66	\$ 10,415.42	\$ 9,365.07	\$ 8,940.61	\$ 10,169.21	\$ 8,885.35	\$ 146,742.65
10	501 Union Building	\$ 6,989.94	\$ 6,979.06	\$ 6,987.96	\$ 6,982.29	\$ 6,970.06	\$ 6,963.67	\$ 6,968.28	\$ 6,964.19	\$ 6,966.36	\$ 6,964.23	\$ 6,992.38	\$ 6,079.02	\$ 82,807.44
11	Sheraton Hotel	\$ 65,317.84	\$ 74,217.12	\$ 72,237.02	\$ 62,920.31	\$ 61,600.78	\$ 64,171.16	\$ 70,827.58	\$ 44,643.57	\$ 52,873.73	\$ 53,169.85	\$ 53,249.21	\$ 69,034.46	\$ 744,262.63
12	Municipal Auditorium	\$ 22,296.20	\$ 22,095.37	\$ 19,203.08	\$ 20,930.87	\$ 25,570.32	\$ 25,337.54	\$ 45,086.64	\$ 34,635.65	\$ 30,003.84	\$ 19,764.88	\$ 18,520.30	\$ 20,398.91	\$ 303,843.60
21	Hermitage Hotel	\$ 25,824.29	\$ 25,103.28	\$ 23,909.39	\$ 20,519.61	\$ 22,381.90	\$ 23,148.42	\$ 24,612.09	\$ 22,790.06	\$ 22,617.79	\$ 20,901.24	\$ 20,397.93	\$ 23,111.98	\$ 275,317.98
24	Criminal Justice Center	\$ 46,899.80	\$ 46,504.03	\$ 43,496.67	\$ 36,732.76	\$ 40,113.62	\$ 41,032.95	\$ 55,356.62	\$ 46,099.91	\$ 43,231.50	\$ 38,890.87	\$ 35,914.94	\$ 40,035.56	\$ 514,309.23
25	501 Union Building	\$ 16,656.31	\$ 16,749.51	\$ 17,085.79	\$ 14,455.91	\$ 14,010.38	\$ 15,253.03	\$ 21,012.47	\$ 16,798.06	\$ 16,650.18	\$ 14,760.23	\$ 15,323.31	\$ 17,033.19	\$ 195,788.37
28	4th & Church Building	\$ 40,262.00	\$ 38,092.77	\$ 36,100.98	\$ 28,437.29	\$ 29,774.35	\$ 32,175.40	\$ 47,020.52	\$ 36,049.83	\$ 33,801.53	\$ 31,006.22	\$ 30,145.22	\$ 39,889.23	\$ 422,755.34
29	Fifth-Third Financial Center	\$ 36,585.66	\$ 35,869.87	\$ 33,953.71	\$ 25,351.87	\$ 22,452.66	\$ 23,008.15	\$ 21,973.26	\$ 22,746.44	\$ 24,221.28	\$ 26,803.19	\$ 29,193.82	\$ 35,756.81	\$ 337,916.72
32	Renaissance Hotel	\$ 80,456.07	\$ 79,940.78	\$ 71,834.26	\$ 65,246.44	\$ 69,564.83	\$ 77,276.46	\$ 98,797.20	\$ 79,820.74	\$ 78,598.15	\$ 70,306.13	\$ 68,819.84	\$ 74,653.36	\$ 915,314.26
33	Convention Center	\$ 85,601.46	\$ 85,772.64	\$ 84,788.78	\$ 69,593.16	\$ 62,377.80	\$ 67,034.56	\$ 87,829.71	\$ 78,004.49	\$ 76,498.31	\$ 71,730.62	\$ 64,868.04	\$ 68,769.62	\$ 902,869.19
34	Renaissance Office Tower	\$ 11,755.07	\$ 11,986.72	\$ 11,186.97	\$ 8,006.79	\$ 6,920.40	\$ 7,130.41	\$ 7,518.91	\$ 8,009.05	\$ 7,505.71	\$ 7,385.80	\$ 8,269.77	\$ 10,913.63	\$ 106,589.23
35	St. Mary's Catholic Church	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 967.99	\$ 11,615.88
36	Nashville City Center	\$ 39,575.78	\$ 38,614.85	\$ 36,737.31	\$ 26,006.89	\$ 21,282.03	\$ 21,156.28	\$ 19,672.24	\$ 20,596.75	\$ 22,117.15	\$ 24,680.02	\$ 28,210.45	\$ 35,881.85	\$ 334,531.60
38	Wildhorse Saloon	\$ 13,953.87	\$ 13,537.72	\$ 8,498.03	\$ 7,412.68	\$ 9,226.10	\$ 9,659.78	\$ 13,019.98	\$ 10,772.37	\$ 10,768.16	\$ 9,080.48	\$ 9,872.84	\$ 13,515.23	\$ 129,317.24
39	Ryman Auditorium	\$ 21,953.84	\$ 21,939.82	\$ 21,507.46	\$ 15,410.84	\$ 12,600.01	\$ 12,910.05	\$ 17,076.87	\$ 14,124.42	\$ 14,713.91	\$ 14,902.42	\$ 17,296.95	\$ 20,841.47	\$ 205,278.06
40	Bridgestone Arena	\$ 155,002.81	\$ 152,760.77	\$ 158,101.03	\$ 131,809.65	\$ 106,660.24	\$ 132,911.05	\$ 140,740.38	\$ 108,009.07	\$ 109,972.41	\$ 89,870.58	\$ 80,562.94	\$ 99,908.90	\$ 1,466,309.83
41	L.P. Field	\$ 66,476.99	\$ 75,949.98	\$ 67,066.21	\$ 41,287.73	\$ 29,219.86	\$ 28,882.86	\$ 26,447.30	\$ 27,297.70	\$ 28,506.40	\$ 35,971.04	\$ 49,419.67	\$ 70,729.42	\$ 547,255.16
43	Hume-Fogg High School	\$ 17,048.96	\$ 17,264.10	\$ 16,445.03	\$ 11,593.94	\$ 11,978.57	\$ 13,646.97	\$ 18,382.22	\$ 13,993.70	\$ 13,403.61	\$ 12,948.63	\$ 15,250.32	\$ 16,163.41	\$ 178,119.46
44	Schermerhorn Symphony Center	\$ 30,653.91	\$ 29,589.80	\$ 29,581.64	\$ 25,107.38	\$ 23,512.68	\$ 25,015.25	\$ 33,055.89	\$ 27,661.96	\$ 26,055.21	\$ 24,163.18	\$ 26,067.35	\$ 30,802.72	\$ 331,266.97
45	Nashville Public Library	\$ 30,862.45	\$ 29,962.55	\$ 29,212.47	\$ 20,974.03	\$ 20,897.54	\$ 21,474.88	\$ 24,344.31	\$ 23,027.11	\$ 26,365.94	\$ 25,235.02	\$ 26,793.97	\$ 40,794.14	\$ 319,944.41
49	Viridian Residential Tower	\$ 21,766.81	\$ 21,542.08	\$ 20,693.27	\$ 15,896.87	\$ 14,434.37	\$ 14,465.83	\$ 14,147.88	\$ 14,354.18	\$ 14,774.43	\$ 15,747.00	\$ 17,464.17	\$ 22,082.50	\$ 207,369.39
50	Music City Center	\$ 287,922.09	\$ 266,515.40	\$ 263,430.99	\$ 194,839.96	\$ 168,828.41	\$ 190,575.73	\$ 260,284.28	\$ 204,087.44	\$ 190,120.09	\$ 195,517.92	\$ 224,430.61	\$ 325,335.86	\$ 2,771,888.78
51	Hyatt Place Hotel	\$ 3,721.04	\$ 8,973.59	\$ 18,750.37	\$ 17,445.33	\$ 15,730.09	\$ 16,125.81	\$ 20,639.53	\$ 18,706.82	\$ 19,131.11	\$ 18,036.41	\$ 19,678.25	\$ 21,950.81	\$ 198,889.16
51	State Government of TN	\$ 509,047.72	\$ 511,105.56	\$ 472,775.31	\$ 399,404.13	\$ 387,286.03	\$ 417,653.10	\$ 574,570.06	\$ 454,790.25	\$ 421,701.11	\$ 381,956.03	\$ 409,906.66	\$ 503,053.33	\$ 5,443,249.29
	Grand Totals:	\$ 1,780,440.15	\$ 1,776,601.22	\$ 1,698,049.23	\$ 1,380,077.38	\$ 1,293,727.91	\$ 1,410,615.79	\$ 1,808,824.91	\$ 1,465,932.98	\$ 1,416,526.82	\$ 1,324,482.45	\$ 1,393,387.20	\$ 1,731,190.29	\$ 18,479,856.33



Appendix 3

*Metro Nashville District Energy System
FY 13 - 14*

Chilled Water and Steam Revenues

July, 13 - June, 14

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	\$ 127,171.20	\$ 187,341.72	\$ 8,206.44	\$ 18,801.60	\$ 21,237.98	\$ 5,418.14	\$ 175.98	\$ 1,091.22	\$ 3,334.83	\$ -	\$ 14,980.11	\$ 189,015.78	\$ 146,839.80	\$ 6,822.91	\$ 730,036.78
4	Historic Metro Courthouse	\$ 60,202.56	\$ 87,417.00	\$ 3,829.32	\$ 8,773.39	\$ 8,513.41	\$ 2,375.57	\$ 82.10	\$ 509.42	\$ 1,556.13	\$ -	\$ 3,349.87	\$ 88,195.48	\$ 58,002.83	\$ 3,805.66	\$ 326,425.63
7	Parkway Towers	\$ 54,885.36	\$ 84,813.12	\$ 3,714.84	\$ 8,511.04	\$ 8,837.86	\$ 2,598.17	\$ 79.50	\$ 493.27	\$ 1,509.57	\$ 7,988.88	\$ 717.44	\$ 96,175.16	\$ 55,555.58	\$ 4,143.66	\$ 329,842.05
9	Wells Fargo Plaza	\$ 20,445.72	\$ 31,122.14	\$ 1,363.20	\$ 3,083.59	\$ 5,411.65	\$ 1,212.04	\$ 27.79	\$ 178.89	\$ 554.73	\$ 2,870.04	\$ -	\$ 54,036.45	\$ 25,149.32	\$ 1,357.25	\$ 146,742.65
10	501 Union Building	\$ 27,962.16	\$ 44,018.64	\$ 1,927.92	\$ 4,417.10	\$ -	\$ -	\$ 41.28	\$ 255.86	\$ 783.48	\$ 3,495.12	\$ -	\$ -	\$ -	\$ -	\$ 82,807.44
11	Sheraton Hotel	\$ 115,808.76	\$ 170,350.32	\$ 7,462.20	\$ 17,096.45	\$ 24,063.23	\$ 5,924.77	\$ 256.42	\$ 992.30	\$ 3,032.40	\$ 13,857.96	\$ 11,580.61	\$ 203,342.74	\$ 163,209.63	\$ 7,649.43	\$ 744,262.63
12	Municipal Auditorium	\$ 59,588.71	\$ 92,198.37	\$ 4,038.30	\$ 9,291.67	\$ 4,601.24	\$ 1,313.00	\$ 87.74	\$ 540.78	\$ 1,642.27	\$ -	\$ 4,304.19	\$ 39,401.71	\$ 80,469.96	\$ 6,559.26	\$ 303,843.60
21	Hermitage Hotel	\$ 55,937.40	\$ 79,875.12	\$ 3,499.08	\$ 8,016.75	\$ 6,704.14	\$ 1,772.36	\$ 75.13	\$ 465.73	\$ 1,421.93	\$ 3,120.00	\$ 4,919.59	\$ 72,159.03	\$ 35,604.14	\$ 1,918.58	\$ 275,317.98
24	Criminal Justice Center	\$ 94,585.32	\$ 131,326.32	\$ 5,753.40	\$ 13,181.67	\$ 15,548.88	\$ 4,351.48	\$ 123.72	\$ 766.47	\$ 2,338.03	\$ -	\$ 3,664.61	\$ 156,903.61	\$ 81,039.98	\$ 5,007.02	\$ 514,309.23
25	501 Union Building	\$ 22,054.92	\$ 32,199.84	\$ 1,410.48	\$ 3,231.65	\$ 7,878.01	\$ 2,186.90	\$ 30.30	\$ 187.61	\$ 573.21	\$ 2,622.00	\$ 91.30	\$ 69,618.24	\$ 51,477.94	\$ 2,294.89	\$ 195,788.37
28	4th & Church Building	\$ 234,702.36	\$ -	\$ -	\$ -	\$ 9,639.94	\$ 2,481.47	\$ 100.95	\$ 626.54	\$ -	\$ -	\$ 2,182.84	\$ 113,562.77	\$ 54,500.81	\$ 5,021.89	\$ 422,755.34
29	Fifth-Third Financial Center	\$ 67,402.56	\$ 119,183.76	\$ 5,218.92	\$ 11,956.88	\$ 8,277.14	\$ 2,002.72	\$ 111.14	\$ 690.45	\$ 2,120.78	\$ 8,862.96	\$ 2,495.59	\$ 109,848.34	\$ -	\$ -	\$ 337,916.72
32	Renaissance Hotel	\$ 138,928.20	\$ 198,648.36	\$ 8,702.28	\$ 19,937.62	\$ 28,779.17	\$ 7,938.91	\$ 186.82	\$ 1,158.22	\$ 3,536.32	\$ 16,479.12	\$ 22.36	\$ 275,404.29	\$ 204,682.09	\$ 11,335.80	\$ 915,314.26
33	Convention Center	\$ 171,066.00	\$ 251,497.32	\$ 11,016.84	\$ 25,240.31	\$ 26,116.98	\$ 6,943.93	\$ 236.23	\$ 1,465.02	\$ 4,476.86	\$ -	\$ 966.33	\$ 272,688.84	\$ 124,121.17	\$ 7,571.60	\$ 902,869.19
34	Renaissance Office Tower	\$ 16,479.00	\$ 29,138.88	\$ 1,275.96	\$ 2,923.34	\$ 3,828.69	\$ 992.60	\$ 27.22	\$ 168.81	\$ 518.53	\$ 2,559.96	\$ -	\$ 48,738.47	\$ -	\$ -	\$ 106,589.23
35	St. Mary's Catholic Church	\$ 11,240.76	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 375.12	\$ -	\$ -	\$ -	\$ -	\$ 11,615.88
36	Nashville City Center	\$ 54,930.12	\$ 97,129.56	\$ 4,253.16	\$ 9,744.35	\$ 11,140.16	\$ 2,650.42	\$ 90.59	\$ 562.69	\$ 1,728.35	\$ 8,489.04	\$ 31.69	\$ 143,988.89	\$ -	\$ -	\$ 334,531.60
38	Wildhorse Saloon	\$ 20,448.12	\$ 31,806.36	\$ 1,393.20	\$ 3,148.49	\$ 3,708.73	\$ 978.45	\$ 28.32	\$ 184.95	\$ 566.09	\$ 2,060.04	\$ 600.14	\$ 43,588.66	\$ 19,491.97	\$ 1,385.65	\$ 129,317.24
39	Ryman Auditorium	\$ 21,173.37	\$ 33,447.51	\$ 1,464.87	\$ 3,320.45	\$ 8,863.44	\$ 2,171.56	\$ 49.10	\$ 195.95	\$ 595.47	\$ 1,997.04	\$ -	\$ 76,669.79	\$ 53,328.69	\$ 2,075.57	\$ 205,278.06
40	Bridgestone Arena	\$ 227,189.76	\$ 360,203.52	\$ 15,776.04	\$ 36,144.39	\$ 53,158.50	\$ 13,681.94	\$ 337.29	\$ 2,093.27	\$ 6,410.90	\$ -	\$ 3,931.93	\$ 535,536.35	\$ 201,302.90	\$ 11,313.21	\$ 1,466,309.83
41	L.P. Field	\$ 96,935.52	\$ 171,405.12	\$ 7,505.52	\$ 17,195.98	\$ 17,050.61	\$ 3,317.94	\$ 159.87	\$ 992.97	\$ 3,050.05	\$ -	\$ 1,833.67	\$ 228,173.95	\$ -	\$ -	\$ 547,255.16
43	Hume-Fogg High School	\$ 32,281.92	\$ 48,924.12	\$ 2,142.96	\$ 4,909.71	\$ 5,107.41	\$ 1,284.87	\$ 45.91	\$ 284.71	\$ 870.84	\$ -	\$ 961.55	\$ 41,548.38	\$ 37,900.07	\$ 1,961.68	\$ 178,119.46
44	Schermerhorn Symphony Center	\$ 170,940.00	\$ -	\$ -	\$ -	\$ 9,410.63	\$ 2,470.48	\$ 72.83	\$ 451.56	\$ -	\$ -	\$ -	\$ 85,652.91	\$ 59,203.14	\$ 3,111.71	\$ 331,266.97
45	Nashville Public Library	\$ 77,822.04	\$ -	\$ -	\$ -	\$ 14,792.75	\$ 3,939.76	\$ 113.44	\$ 703.77	\$ -	\$ -	\$ 618.23	\$ 167,134.23	\$ 52,382.62	\$ 2,509.73	\$ 319,944.41
49	Viridian Residential Tower	\$ 139,407.36	\$ -	\$ -	\$ -	\$ 3,992.86	\$ 888.42	\$ 54.53	\$ 338.94	\$ -	\$ -	\$ 9,813.10	\$ 52,908.89	\$ -	\$ -	\$ 207,369.39
50	Music City Center	\$ 930,813.36	\$ 104,122.44	\$ -	\$ 66,376.48	\$ 95,335.07	\$ 22,538.44	\$ 840.68	\$ 5,216.28	\$ -	\$ -	\$ 27.75	\$ 781,906.70	\$ 732,887.22	\$ 33,376.70	\$ 2,771,888.78
51	Hyatt Place Hotel	\$ 107,737.99	\$ -	\$ -	\$ -	\$ 4,826.37	\$ 1,344.77	\$ 42.66	\$ 346.35	\$ -	\$ -	\$ 1,337.65	\$ 43,028.58	\$ 38,450.53	\$ 1,809.79	\$ 198,889.16
51	State Government of TN	\$ 1,639,133.88	\$ 1,202,902.08	\$ -	\$ -	\$ 141,176.97	\$ 36,138.23	\$ -	\$ 7,728.85	\$ 23,617.07	\$ -	\$ 45,326.60	\$ 1,321,646.77	\$ 965,792.43	\$ 59,786.41	\$ 5,443,249.29
	Grand Totals:	\$ 4,797,274.43	\$ 3,589,071.62	\$ 99,954.93	\$ 295,302.91	\$ 548,001.82	\$ 138,917.34	\$ 3,477.54	\$ 28,690.88	\$ 64,237.84	\$ 74,777.28	\$ 113,757.15	\$ 5,310,875.01	\$ 3,241,392.82	\$ 180,818.40	\$ 18,479,856.33
	Rate Calculation Totals:	\$ 4,037,535.36	\$ 4,836,893.16	\$ 159,175.32	\$ 364,684.51	\$ 548,176.53	\$ 138,980.64	\$ 4,611.78	\$ 28,717.75	\$ 64,684.05	\$ 74,777.28	\$ 113,757.15	\$ 5,312,143.92	\$ 3,244,984.19	\$ 181,097.57	\$ 19,223,594.16
	Deviation:	\$ 759,739.07	\$ (1,247,821.54)	\$ (59,220.39)	\$ (69,381.60)	\$ (174.71)	\$ (63.30)	\$ (1,134.24)	\$ (26.87)	\$ (446.21)	\$ -	\$ -	\$ (1,268.91)	\$ (3,591.37)	\$ (279.17)	\$ (743,737.83)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

July, 13

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 2,731.24	\$ 407.57	\$ 27.47	\$ -	\$ 333.33	\$ -	\$ 1,338.35	\$ 27,135.69	\$ 6,317.34	\$ 6.48	\$ 67,126.97
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 956.12	\$ 130.86	\$ 12.84	\$ -	\$ 155.54	\$ -	\$ 257.04	\$ 12,171.79	\$ 558.23	\$ 0.57	\$ 27,767.23
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 910.86	\$ 120.95	\$ 12.40	\$ -	\$ 150.88	\$ 665.74	\$ -	\$ 12,435.63	\$ 12.04	\$ 0.01	\$ 27,136.10
9	Wells Fargo Plaza	\$ 1,793.56	\$ 2,752.22	\$ 120.55	\$ 341.31	\$ 1,122.12	\$ 161.99	\$ 4.83	\$ -	\$ 58.76	\$ 239.17	\$ -	\$ 12,382.39	\$ 1,832.17	\$ 1.88	\$ 20,810.95
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.43	\$ -	\$ 78.31	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,989.94
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 2,779.60	\$ 421.73	\$ 33.54	\$ -	\$ 303.10	\$ 1,154.83	\$ 941.80	\$ 26,046.19	\$ 7,400.40	\$ 7.59	\$ 65,317.84
12	Municipal Auditorium	\$ 4,976.29	\$ 7,695.20	\$ 337.05	\$ 954.28	\$ 531.82	\$ 72.10	\$ 13.49	\$ -	\$ 164.29	\$ -	\$ 411.46	\$ 6,925.63	\$ 214.37	\$ 0.22	\$ 22,296.20
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 879.80	\$ 122.21	\$ 11.74	\$ -	\$ 142.13	\$ 260.00	\$ 414.44	\$ 10,792.43	\$ 765.87	\$ 0.79	\$ 25,824.29
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 1,865.29	\$ 272.36	\$ 19.35	\$ -	\$ 233.69	\$ -	\$ 479.66	\$ 19,886.26	\$ 3,476.73	\$ 3.57	\$ 46,899.80
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 859.24	\$ 129.51	\$ 4.73	\$ -	\$ 57.29	\$ 218.50	\$ -	\$ 8,245.85	\$ 2,167.40	\$ 2.22	\$ 16,656.31
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 1,383.66	\$ 183.60	\$ 15.76	\$ -	\$ -	\$ -	\$ 200.20	\$ 18,920.25	\$ -	\$ -	\$ 40,262.00
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 1,224.48	\$ 162.48	\$ 17.27	\$ -	\$ 211.98	\$ 738.58	\$ 272.11	\$ 16,743.65	\$ -	\$ -	\$ 36,585.66
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 3,466.24	\$ 501.46	\$ 29.20	\$ -	\$ 353.46	\$ 1,373.26	\$ -	\$ 38,007.71	\$ 5,809.00	\$ 5.96	\$ 80,456.07
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 3,287.97	\$ 463.29	\$ 36.89	\$ -	\$ 447.48	\$ -	\$ -	\$ 38,852.84	\$ 3,778.14	\$ 3.88	\$ 85,601.46
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 491.45	\$ 65.21	\$ 4.22	\$ -	\$ 51.83	\$ 213.33	\$ -	\$ 6,720.16	\$ -	\$ -	\$ 11,755.07
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 1,664.92	\$ 220.92	\$ 14.07	\$ -	\$ 172.76	\$ 707.42	\$ -	\$ 22,766.13	\$ -	\$ -	\$ 39,575.78
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 611.32	\$ 82.64	\$ 4.65	\$ -	\$ 56.58	\$ 171.67	\$ -	\$ 8,013.88	\$ 213.58	\$ 0.22	\$ 13,953.87
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 1,268.65	\$ 192.63	\$ 6.56	\$ -	\$ 59.35	\$ 166.42	\$ -	\$ 11,853.27	\$ 3,399.03	\$ 3.49	\$ 21,953.84
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 7,472.82	\$ 1,112.91	\$ 52.55	\$ -	\$ 640.80	\$ -	\$ -	\$ 74,745.08	\$ 16,974.91	\$ 17.42	\$ 155,002.81
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 2,795.30	\$ 370.92	\$ 24.84	\$ -	\$ 304.87	\$ -	\$ -	\$ 38,223.01	\$ -	\$ -	\$ 66,476.99
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 745.14	\$ 116.93	\$ 7.16	\$ -	\$ 87.04	\$ -	\$ 6.71	\$ 6,106.09	\$ 2,525.94	\$ 2.59	\$ 17,048.96
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 1,223.60	\$ 182.57	\$ 11.35	\$ -	\$ -	\$ -	\$ -	\$ 12,160.67	\$ 2,827.82	\$ 2.90	\$ 30,653.91
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 1,643.95	\$ 218.14	\$ 17.71	\$ -	\$ -	\$ -	\$ 18.12	\$ 22,479.29	\$ 0.07	\$ -	\$ 30,862.45
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 663.55	\$ 88.05	\$ 8.48	\$ -	\$ -	\$ -	\$ 315.99	\$ 9,073.46	\$ -	\$ -	\$ 21,766.81
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,881.09	\$ 15,045.33	\$ 2,326.68	\$ 131.08	\$ -	\$ -	\$ -	\$ -	\$ 131,036.12	\$ 46,209.73	\$ 47.41	\$ 287,922.09
51	Hyatt Place Hotel	\$ 1,835.26	\$ -	\$ -	\$ -	\$ 127.30	\$ 16.91	\$ 1.82	\$ -	\$ -	\$ -	\$ -	\$ 1,738.19	\$ 1.56	\$ -	\$ 3,721.04
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 19,538.99	\$ 2,852.65	\$ -	\$ -	\$ 2,360.61	\$ -	\$ 2,665.27	\$ 208,384.31	\$ 36,372.26	\$ 37.30	\$ 509,047.72
	Grand Totals:	\$ 392,723.83	\$ 299,252.69	\$ 8,336.73	\$ 30,484.71	\$ 75,290.76	\$ 10,997.27	\$ 530.43	\$ -	\$ 6,424.08	\$ 6,231.44	\$ 7,321.15	\$ 801,845.97	\$ 140,856.59	\$ 144.50	\$ 1,780,440.15
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 75,306.75	\$ 11,000.00	\$ 715.42	\$ -	\$ 6,465.50	\$ 6,231.44	\$ 7,321.15	\$ 802,063.81	\$ 140,856.59	\$ 144.51	\$ 1,840,461.32
	Deviation:	\$ 56,262.55	\$ (103,821.74)	\$ (4,927.88)	\$ (7,071.12)	\$ (15.99)	\$ (2.73)	\$ (184.99)	\$ -	\$ (41.42)	\$ -	\$ -	\$ (217.84)	\$ -	\$ (0.01)	\$ (60,021.17)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

August, 13

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 2,963.73	\$ 424.56	\$ 27.45	\$ -	\$ 287.05	\$ -	\$ 845.27	\$ 28,556.46	\$ 6,146.71	\$ -	\$ 68,080.73
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 1,026.32	\$ 136.76	\$ 12.83	\$ -	\$ 133.95	\$ -	\$ 159.78	\$ 12,280.79	\$ 734.46	\$ -	\$ 28,009.13
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 872.72	\$ 111.78	\$ 12.38	\$ -	\$ 129.94	\$ 665.74	\$ -	\$ 11,493.37	\$ 12.18	\$ -	\$ 26,125.70
9	Wells Fargo Plaza	\$ 1,793.56	\$ 2,752.22	\$ 120.55	\$ 341.31	\$ 1,266.89	\$ 173.53	\$ 4.82	\$ -	\$ 50.60	\$ 239.17	\$ -	\$ 14,060.49	\$ 1,547.16	\$ -	\$ 22,350.30
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.42	\$ -	\$ 67.44	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,979.06
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 3,590.47	\$ 518.80	\$ 33.54	\$ -	\$ 261.02	\$ 1,154.83	\$ 821.42	\$ 33,554.89	\$ 8,053.09	\$ -	\$ 74,217.12
12	Municipal Auditorium	\$ 4,976.29	\$ 7,695.20	\$ 337.05	\$ 954.28	\$ 544.05	\$ 71.65	\$ 13.48	\$ -	\$ 141.47	\$ -	\$ 380.15	\$ 6,707.65	\$ 274.10	\$ -	\$ 22,095.37
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 858.13	\$ 114.45	\$ 11.73	\$ -	\$ 122.40	\$ 260.00	\$ 429.34	\$ 10,244.35	\$ 628.00	\$ -	\$ 25,103.28
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 1,923.39	\$ 271.70	\$ 19.33	\$ -	\$ 201.25	\$ -	\$ 531.99	\$ 19,423.98	\$ 3,469.50	\$ -	\$ 46,504.03
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 914.96	\$ 133.71	\$ 4.72	\$ -	\$ 49.34	\$ 218.50	\$ -	\$ 8,200.26	\$ 2,256.45	\$ -	\$ 16,749.51
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 1,287.19	\$ 164.74	\$ 15.74	\$ -	\$ -	\$ -	\$ 83.96	\$ 16,982.61	\$ -	\$ -	\$ 38,092.77
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 1,215.87	\$ 155.61	\$ 17.25	\$ -	\$ 182.55	\$ 738.58	\$ 303.20	\$ 16,041.70	\$ -	\$ -	\$ 35,869.87
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 3,601.74	\$ 505.22	\$ 29.18	\$ -	\$ 304.40	\$ 1,373.26	\$ -	\$ 37,205.06	\$ 6,012.14	\$ -	\$ 79,940.78
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 3,496.96	\$ 483.54	\$ 36.86	\$ -	\$ 385.35	\$ -	\$ -	\$ 37,750.50	\$ 4,888.46	\$ -	\$ 85,772.64
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 524.78	\$ 67.16	\$ 4.22	\$ -	\$ 44.63	\$ 213.33	\$ -	\$ 6,923.73	\$ -	\$ -	\$ 11,986.72
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 1,655.90	\$ 211.93	\$ 14.05	\$ -	\$ 148.77	\$ 707.42	\$ -	\$ 21,847.22	\$ -	\$ -	\$ 38,614.85
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 609.20	\$ 80.16	\$ 4.64	\$ -	\$ 48.72	\$ 171.67	\$ -	\$ 7,525.66	\$ 298.34	\$ -	\$ 13,537.72
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 1,342.92	\$ 198.08	\$ 6.56	\$ -	\$ 51.10	\$ 166.42	\$ -	\$ 11,610.51	\$ 3,559.79	\$ -	\$ 21,939.82
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 7,394.43	\$ 1,026.70	\$ 52.50	\$ -	\$ 551.82	\$ -	\$ -	\$ 78,836.09	\$ 10,912.91	\$ -	\$ 152,760.77
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 3,554.41	\$ 454.91	\$ 24.80	\$ -	\$ 262.53	\$ -	\$ -	\$ 46,895.28	\$ -	\$ -	\$ 75,949.98
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 787.18	\$ 116.78	\$ 7.15	\$ -	\$ 74.96	\$ -	\$ -	\$ 6,648.13	\$ 2,178.54	\$ -	\$ 17,264.10
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 1,215.79	\$ 177.20	\$ 11.34	\$ -	\$ -	\$ -	\$ -	\$ 11,005.87	\$ 2,934.60	\$ -	\$ 29,589.80
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 1,637.19	\$ 209.54	\$ 17.69	\$ -	\$ -	\$ -	\$ 13.59	\$ 21,598.04	\$ 1.33	\$ -	\$ 29,962.55
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 642.11	\$ 82.18	\$ 8.47	\$ -	\$ -	\$ -	\$ 720.27	\$ 8,471.77	\$ -	\$ -	\$ 21,542.08
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,874.41	\$ 14,064.18	\$ 2,092.90	\$ 130.95	\$ -	\$ -	\$ -	\$ 27.75	\$ 117,290.05	\$ 39,790.51	\$ -	\$ 266,515.40
51	Hyatt Place Hotel	\$ 2,502.63	\$ -	\$ -	\$ -	\$ 454.23	\$ 58.52	\$ 2.48	\$ -	\$ -	\$ -	\$ -	\$ 5,903.83	\$ 51.90	\$ -	\$ 8,973.59
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 20,781.53	\$ 2,956.35	\$ -	\$ -	\$ 2,032.88	\$ -	\$ 3,154.31	\$ 205,047.44	\$ 40,296.72	\$ -	\$ 511,105.56
Grand Totals:		\$ 393,391.20	\$ 299,252.69	\$ 8,336.73	\$ 30,478.03	\$ 78,226.27	\$ 10,998.46	\$ 530.58	\$ -	\$ 5,532.17	\$ 6,231.44	\$ 7,471.03	\$ 802,105.73	\$ 134,046.89	\$ -	\$ 1,776,601.22
Rate Calculation Totals:		\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 78,241.85	\$ 11,000.00	\$ 715.42	\$ -	\$ 5,567.69	\$ 6,231.44	\$ 7,471.03	\$ 802,310.87	\$ 134,046.92	\$ -	\$ 1,835,941.37
Deviation:		\$ 56,929.92	\$ (103,821.74)	\$ (4,927.88)	\$ (7,077.80)	\$ (15.58)	\$ (1.54)	\$ (184.84)	\$ -	\$ (35.52)	\$ -	\$ -	\$ (205.14)	\$ (0.03)	\$ -	\$ (59,340.15)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

September, 13

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 3,587.88	\$ 674.54	\$ 27.20	\$ -	\$ 325.09	\$ -	\$ 978.32	\$ 25,907.68	\$ 7,865.52	\$ -	\$ 68,195.73
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 1,118.54	\$ 199.20	\$ 12.69	\$ -	\$ 151.69	\$ -	\$ 250.09	\$ 10,323.79	\$ 1,068.82	\$ -	\$ 26,649.06
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 964.56	\$ 164.38	\$ 12.29	\$ -	\$ 147.16	\$ 665.74	\$ -	\$ 10,399.59	\$ -	\$ -	\$ 25,181.31
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 785.02	\$ 145.31	\$ 4.45	\$ -	\$ 53.34	\$ 239.17	\$ -	\$ 6,129.29	\$ 1,437.29	\$ -	\$ 13,471.41
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 76.38	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,987.96
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 4,071.94	\$ 757.56	\$ 33.54	\$ -	\$ 295.60	\$ 1,154.83	\$ 743.53	\$ 31,019.20	\$ 7,931.76	\$ -	\$ 72,237.02
12	Municipal Auditorium	\$ 4,976.29	\$ 7,695.20	\$ 337.05	\$ 954.28	\$ 385.50	\$ 66.47	\$ 13.38	\$ -	\$ 160.22	\$ -	\$ 518.79	\$ 3,999.09	\$ 96.81	\$ -	\$ 19,203.08
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 914.40	\$ 159.74	\$ 11.61	\$ -	\$ 138.61	\$ 260.00	\$ 435.31	\$ 9,067.94	\$ 486.90	\$ -	\$ 23,909.39
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 1,982.83	\$ 357.22	\$ 19.11	\$ -	\$ 227.91	\$ -	\$ 370.65	\$ 17,469.61	\$ 2,406.45	\$ -	\$ 43,496.67
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 1,128.70	\$ 213.91	\$ 4.68	\$ -	\$ 55.88	\$ 218.50	\$ 1.30	\$ 7,803.29	\$ 2,687.96	\$ -	\$ 17,085.79
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 1,368.16	\$ 233.16	\$ 15.61	\$ -	\$ -	\$ -	\$ 174.37	\$ 14,751.15	\$ -	\$ -	\$ 36,100.98
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 1,319.94	\$ 224.94	\$ 17.20	\$ -	\$ 206.74	\$ 738.58	\$ -	\$ 14,231.20	\$ -	\$ -	\$ 33,953.71
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 3,514.90	\$ 635.88	\$ 28.87	\$ -	\$ 344.73	\$ 1,373.26	\$ -	\$ 30,429.71	\$ 4,597.13	\$ -	\$ 71,834.26
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 4,112.70	\$ 747.36	\$ 36.51	\$ -	\$ 436.41	\$ -	\$ -	\$ 34,930.62	\$ 5,794.21	\$ -	\$ 84,788.78
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 561.41	\$ 95.67	\$ 4.21	\$ -	\$ 50.55	\$ 213.33	\$ -	\$ 6,052.93	\$ -	\$ -	\$ 11,186.97
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 1,825.43	\$ 311.08	\$ 14.02	\$ -	\$ 168.48	\$ 707.42	\$ -	\$ 19,681.32	\$ -	\$ -	\$ 36,737.31
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 287.93	\$ 51.42	\$ 4.61	\$ -	\$ 55.19	\$ 171.67	\$ 206.62	\$ 2,627.94	\$ 293.32	\$ -	\$ 8,498.03
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 1,558.30	\$ 296.20	\$ 6.56	\$ -	\$ 57.88	\$ 166.42	\$ -	\$ 10,599.69	\$ 3,817.97	\$ -	\$ 21,507.46
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 9,324.56	\$ 1,693.35	\$ 52.16	\$ -	\$ 624.94	\$ -	\$ -	\$ 79,420.59	\$ 12,999.11	\$ -	\$ 158,101.03
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 3,512.85	\$ 598.65	\$ 24.74	\$ -	\$ 297.33	\$ -	\$ -	\$ 37,874.59	\$ -	\$ -	\$ 67,066.21
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 852.26	\$ 161.96	\$ 7.10	\$ -	\$ 84.89	\$ -	\$ -	\$ 5,802.79	\$ 2,084.67	\$ -	\$ 16,445.03
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 1,448.36	\$ 272.68	\$ 11.26	\$ -	\$ -	\$ -	\$ -	\$ 10,382.36	\$ 3,221.98	\$ -	\$ 29,581.64
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 1,899.58	\$ 323.85	\$ 17.54	\$ -	\$ -	\$ -	\$ 15.85	\$ 20,453.99	\$ 16.49	\$ -	\$ 29,212.47
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 728.04	\$ 124.07	\$ 8.44	\$ -	\$ -	\$ -	\$ 365.94	\$ 7,849.50	\$ -	\$ -	\$ 20,693.27
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,822.81	\$ 16,539.22	\$ 3,175.87	\$ 129.99	\$ -	\$ -	\$ -	\$ -	\$ 105,982.94	\$ 44,535.51	\$ -	\$ 263,430.99
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 751.69	\$ 135.69	\$ 8.63	\$ -	\$ -	\$ -	\$ -	\$ 6,568.95	\$ 945.40	\$ -	\$ 18,750.37
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 20,989.92	\$ 3,847.15	\$ -	\$ -	\$ 2,302.24	\$ -	\$ 3,510.77	\$ 171,620.71	\$ 33,668.19	\$ -	\$ 472,775.31
	Grand Totals:	\$ 401,120.88	\$ 299,062.24	\$ 8,328.39	\$ 30,402.82	\$ 85,534.62	\$ 15,667.31	\$ 532.78	\$ -	\$ 6,261.26	\$ 6,231.44	\$ 7,571.54	\$ 701,380.46	\$ 135,955.49	\$ -	\$ 1,698,049.23
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 85,555.12	\$ 15,673.06	\$ 715.42	\$ -	\$ 6,305.58	\$ 6,231.44	\$ 7,571.54	\$ 701,558.41	\$ 135,981.89	\$ -	\$ 1,749,948.61
	Deviation:	\$ 64,659.60	\$ (104,012.19)	\$ (4,936.22)	\$ (7,153.01)	\$ (20.50)	\$ (5.75)	\$ (182.64)	\$ -	\$ (44.32)	\$ -	\$ -	\$ (177.95)	\$ (26.40)	\$ -	\$ (51,899.38)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

October, 13

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 2,209.43	\$ 433.77	\$ 27.20	\$ -	\$ 300.99	\$ -	\$ 1,213.12	\$ 11,565.07	\$ 11,133.58	\$ -	\$ 55,712.66
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 905.59	\$ 173.52	\$ 12.69	\$ -	\$ 140.45	\$ -	\$ 378.61	\$ 5,219.28	\$ 3,564.87	\$ -	\$ 23,919.25
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 890.24	\$ 163.81	\$ 12.29	\$ -	\$ 136.25	\$ 665.74	\$ -	\$ 5,891.06	\$ 1,919.74	\$ -	\$ 22,506.72
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 535.50	\$ 100.99	\$ 4.45	\$ -	\$ 49.39	\$ 239.17	\$ -	\$ 3,268.25	\$ 1,728.74	\$ -	\$ 10,604.03
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 70.71	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,982.29
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 3,106.39	\$ 598.00	\$ 33.54	\$ -	\$ 273.69	\$ 1,154.83	\$ 1,055.10	\$ 17,591.53	\$ 12,878.17	\$ -	\$ 62,920.31
12	Municipal Auditorium	\$ 4,976.29	\$ 7,695.20	\$ 337.05	\$ 954.28	\$ 536.69	\$ 105.90	\$ 13.38	\$ -	\$ 148.34	\$ -	\$ 585.88	\$ 2,750.08	\$ 2,827.78	\$ -	\$ 20,930.87
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 705.77	\$ 131.57	\$ 11.61	\$ -	\$ 128.34	\$ 260.00	\$ 447.23	\$ 4,478.65	\$ 1,921.56	\$ -	\$ 20,519.61
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 1,532.42	\$ 283.57	\$ 19.11	\$ -	\$ 211.02	\$ -	\$ 383.73	\$ 9,960.92	\$ 3,679.10	\$ -	\$ 36,732.76
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 824.10	\$ 159.60	\$ 4.68	\$ -	\$ 51.74	\$ 218.50	\$ 26.09	\$ 4,559.69	\$ 3,639.94	\$ -	\$ 14,455.91
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 880.55	\$ 161.63	\$ 15.61	\$ -	\$ -	\$ -	\$ 142.08	\$ 5,870.26	\$ 1,808.63	\$ -	\$ 28,437.29
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 788.10	\$ 137.74	\$ 17.20	\$ -	\$ 191.41	\$ 738.58	\$ 233.23	\$ 6,030.50	\$ -	\$ -	\$ 25,351.87
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 2,951.65	\$ 569.38	\$ 28.87	\$ -	\$ 319.17	\$ 1,373.26	\$ -	\$ 16,583.89	\$ 12,510.44	\$ -	\$ 65,246.44
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 3,009.06	\$ 557.40	\$ 36.51	\$ -	\$ 404.06	\$ -	\$ -	\$ 19,493.27	\$ 7,361.89	\$ -	\$ 69,593.16
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 400.33	\$ 69.97	\$ 4.21	\$ -	\$ 46.80	\$ 213.33	\$ -	\$ 3,063.28	\$ -	\$ -	\$ 8,006.79
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 1,257.53	\$ 219.79	\$ 14.02	\$ -	\$ 155.99	\$ 707.42	\$ -	\$ 9,622.58	\$ -	\$ -	\$ 26,006.89
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 189.69	\$ 36.81	\$ 4.61	\$ -	\$ 51.10	\$ 171.67	\$ 262.97	\$ 1,041.03	\$ 855.47	\$ -	\$ 7,412.68
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 933.45	\$ 178.97	\$ 6.56	\$ -	\$ 53.59	\$ 166.42	\$ -	\$ 5,367.78	\$ 3,699.63	\$ -	\$ 15,410.84
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 7,538.03	\$ 1,404.20	\$ 52.16	\$ -	\$ 578.63	\$ -	\$ 18.63	\$ 47,950.72	\$ 20,280.96	\$ -	\$ 131,809.65
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 1,824.76	\$ 318.93	\$ 24.74	\$ -	\$ 275.29	\$ -	\$ 122.99	\$ 13,962.97	\$ -	\$ -	\$ 41,287.73
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 368.29	\$ 70.73	\$ 7.10	\$ -	\$ 78.60	\$ -	\$ 26.83	\$ 2,105.38	\$ 1,485.65	\$ -	\$ 11,593.94
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 994.71	\$ 190.74	\$ 11.26	\$ -	\$ -	\$ -	\$ -	\$ 5,717.20	\$ 3,948.47	\$ -	\$ 25,107.38
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 1,541.56	\$ 276.16	\$ 17.54	\$ -	\$ -	\$ -	\$ 38.50	\$ 11,040.55	\$ 1,574.55	\$ -	\$ 20,974.03
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 395.05	\$ 69.05	\$ 8.44	\$ -	\$ -	\$ -	\$ 784.17	\$ 3,022.88	\$ -	\$ -	\$ 15,896.87
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,822.81	\$ 8,849.84	\$ 1,738.57	\$ 129.99	\$ -	\$ -	\$ -	\$ -	\$ 46,198.76	\$ 44,855.34	\$ -	\$ 194,839.96
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 637.66	\$ 123.42	\$ 8.63	\$ -	\$ -	\$ -	\$ -	\$ 3,536.41	\$ 2,799.20	\$ -	\$ 17,445.33
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 14,107.62	\$ 2,722.22	\$ -	\$ -	\$ 2,131.55	\$ -	\$ 4,446.19	\$ 79,170.12	\$ 59,990.10	\$ -	\$ 399,404.13
	Grand Totals:	\$ 401,120.88	\$ 299,062.24	\$ 8,328.39	\$ 30,402.82	\$ 57,914.01	\$ 10,996.44	\$ 532.78	\$ -	\$ 5,797.11	\$ 6,231.44	\$ 10,165.35	\$ 345,062.11	\$ 204,463.81	\$ -	\$ 1,380,077.38
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 57,936.14	\$ 11,000.00	\$ 715.42	\$ -	\$ 5,838.14	\$ 6,231.44	\$ 10,165.35	\$ 345,142.56	\$ 204,649.45	\$ -	\$ 1,432,034.65
	Deviation:	\$ 64,659.60	\$ (104,012.19)	\$ (4,936.22)	\$ (7,153.01)	\$ (22.13)	\$ (3.56)	\$ (182.64)	\$ -	\$ (41.03)	\$ -	\$ -	\$ (80.45)	\$ (185.64)	\$ -	\$ (51,957.27)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

November, 13

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 1,062.20	\$ 326.47	\$ 27.20	\$ -	\$ 248.90	\$ -	\$ 1,651.41	\$ 5,390.45	\$ 10,637.13	\$ 21.88	\$ 48,195.14
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 708.99	\$ 217.90	\$ 12.69	\$ -	\$ 116.14	\$ -	\$ 451.56	\$ 3,916.11	\$ 5,910.59	\$ 12.16	\$ 24,870.38
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 959.93	\$ 295.03	\$ 12.29	\$ -	\$ 112.67	\$ 665.74	\$ 45.10	\$ 5,742.53	\$ 6,356.54	\$ 13.08	\$ 27,030.50
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 282.31	\$ 86.77	\$ 4.45	\$ -	\$ 40.83	\$ 239.17	\$ -	\$ 1,551.39	\$ 2,383.51	\$ 4.90	\$ 9,270.87
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 58.48	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,970.06
11	Sherraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 2,251.00	\$ 691.84	\$ 33.54	\$ -	\$ 226.32	\$ 1,154.83	\$ 1,111.75	\$ 12,919.85	\$ 16,947.72	\$ 34.87	\$ 61,600.78
12	Municipal Auditorium	\$ 4,976.29	\$ 7,695.20	\$ 337.05	\$ 954.28	\$ 441.45	\$ 135.69	\$ 13.38	\$ -	\$ 122.67	\$ -	\$ 762.98	\$ 979.98	\$ 9,132.56	\$ 18.79	\$ 25,570.32
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 646.33	\$ 198.65	\$ 11.61	\$ -	\$ 106.12	\$ 260.00	\$ 432.33	\$ 3,816.79	\$ 4,466.00	\$ 9.19	\$ 22,381.90
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 1,445.52	\$ 444.28	\$ 19.11	\$ -	\$ 174.50	\$ -	\$ 427.33	\$ 9,120.65	\$ 7,803.29	\$ 16.05	\$ 40,113.62
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 590.56	\$ 181.50	\$ 4.68	\$ -	\$ 42.78	\$ 218.50	\$ 31.31	\$ 3,344.23	\$ 4,615.75	\$ 9.50	\$ 14,010.38
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 652.09	\$ 200.42	\$ 15.61	\$ -	\$ -	\$ -	\$ 290.61	\$ 3,598.97	\$ 5,446.91	\$ 11.21	\$ 29,774.35
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 412.81	\$ 126.87	\$ 17.20	\$ -	\$ 158.29	\$ 738.58	\$ 583.08	\$ 3,200.72	\$ -	\$ -	\$ 22,452.66
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 2,423.91	\$ 744.98	\$ 28.87	\$ -	\$ 263.94	\$ 1,373.26	\$ -	\$ 13,322.13	\$ 20,455.88	\$ 42.08	\$ 69,564.83
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 1,899.68	\$ 583.86	\$ 36.51	\$ -	\$ 334.13	\$ -	\$ 187.84	\$ 12,589.70	\$ 7,998.65	\$ 16.46	\$ 62,377.80
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 270.98	\$ 83.28	\$ 4.21	\$ -	\$ 38.70	\$ 213.33	\$ -	\$ 2,101.03	\$ -	\$ -	\$ 6,920.40
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 706.56	\$ 217.16	\$ 14.02	\$ -	\$ 129.00	\$ 707.42	\$ -	\$ 5,478.31	\$ -	\$ -	\$ 21,282.03
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 288.34	\$ 88.62	\$ 4.61	\$ -	\$ 42.25	\$ 171.67	\$ -	\$ 1,654.71	\$ 2,172.10	\$ 4.47	\$ 9,226.10
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 504.52	\$ 155.06	\$ 6.56	\$ -	\$ 44.31	\$ 166.42	\$ -	\$ 2,889.72	\$ 3,821.12	\$ 7.86	\$ 12,600.01
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 4,264.89	\$ 1,310.80	\$ 52.16	\$ -	\$ 478.48	\$ -	\$ 409.96	\$ 28,301.47	\$ 17,819.50	\$ 36.66	\$ 106,660.24
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 418.92	\$ 128.75	\$ 24.74	\$ -	\$ 227.64	\$ -	\$ 413.69	\$ 3,248.07	\$ -	\$ -	\$ 29,219.86
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 278.39	\$ 85.56	\$ 7.10	\$ -	\$ 65.00	\$ -	\$ 116.28	\$ 1,497.11	\$ 2,472.68	\$ 5.09	\$ 11,978.57
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 646.64	\$ 198.74	\$ 11.26	\$ -	\$ -	\$ -	\$ -	\$ 3,776.67	\$ 4,624.86	\$ 9.51	\$ 23,512.68
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 1,165.78	\$ 358.29	\$ 17.54	\$ -	\$ -	\$ -	\$ 43.03	\$ 7,659.15	\$ 5,157.97	\$ 10.61	\$ 20,897.54
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 169.58	\$ 52.12	\$ 8.44	\$ -	\$ -	\$ -	\$ 1,272.09	\$ 1,314.86	\$ -	\$ -	\$ 14,434.37
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,822.81	\$ 4,076.87	\$ 1,253.04	\$ 129.99	\$ -	\$ -	\$ -	\$ -	\$ 17,521.24	\$ 52,671.45	\$ 108.36	\$ 168,828.41
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 331.50	\$ 101.88	\$ 8.63	\$ -	\$ -	\$ -	\$ 223.15	\$ 1,785.67	\$ 2,933.22	\$ 6.03	\$ 15,730.09
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 8,872.11	\$ 2,726.86	\$ -	\$ -	\$ 1,762.67	\$ -	\$ 4,561.96	\$ 45,581.55	\$ 86,766.05	\$ 178.50	\$ 387,286.03
	Grand Totals:	\$ 401,120.88	\$ 299,062.24	\$ 8,328.39	\$ 30,402.82	\$ 35,771.86	\$ 10,994.42	\$ 532.78	\$ -	\$ 4,793.82	\$ 6,231.44	\$ 13,015.46	\$ 202,303.06	\$ 280,593.48	\$ 577.26	\$ 1,293,727.91
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 35,788.77	\$ 11,000.00	\$ 715.42	\$ -	\$ 4,827.68	\$ 6,231.44	\$ 13,015.46	\$ 202,335.75	\$ 280,961.92	\$ 578.03	\$ 1,345,810.62
	Deviation:	\$ 64,659.60	\$ (104,012.19)	\$ (4,936.22)	\$ (7,153.01)	\$ (169.11)	\$ (5.58)	\$ (182.64)	\$ -	\$ (33.86)	\$ -	\$ -	\$ (32.69)	\$ (368.44)	\$ (0.77)	\$ (52,082.71)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

December, 13

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 673.96	\$ 372.32	\$ 27.20	\$ -	\$ 221.75	\$ -	\$ 1,690.55	\$ 8,055.06	\$ 14,737.91	\$ 17.70	\$ 54,625.95
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 454.86	\$ 251.28	\$ 12.69	\$ -	\$ 103.48	\$ -	\$ 376.53	\$ 5,818.19	\$ 8,445.36	\$ 10.14	\$ 28,996.77
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 508.55	\$ 280.94	\$ 12.29	\$ -	\$ 100.37	\$ 665.74	\$ 180.38	\$ 6,878.34	\$ 7,973.19	\$ 9.58	\$ 29,436.97
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 134.61	\$ 74.36	\$ 4.45	\$ -	\$ 36.38	\$ 239.17	\$ -	\$ 1,657.63	\$ 2,751.32	\$ 3.31	\$ 9,578.77
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 52.09	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,963.67
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 1,063.11	\$ 587.30	\$ 33.54	\$ -	\$ 201.64	\$ 1,154.83	\$ 1,019.69	\$ 13,420.95	\$ 20,436.49	\$ 24.55	\$ 64,171.16
12	Municipal Auditorium	\$ 4,976.29	\$ 7,695.20	\$ 337.05	\$ 954.28	\$ 177.39	\$ 98.00	\$ 13.38	\$ -	\$ 109.29	\$ -	\$ -	\$ 427.75	\$ 10,536.25	\$ 12.66	\$ 25,337.54
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 324.03	\$ 179.00	\$ 11.61	\$ -	\$ 94.55	\$ 260.00	\$ 459.16	\$ 4,411.02	\$ 4,968.20	\$ 5.97	\$ 23,148.42
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 701.08	\$ 387.30	\$ 19.11	\$ -	\$ 155.47	\$ -	\$ 213.67	\$ 10,024.80	\$ 8,857.99	\$ 10.64	\$ 41,032.95
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 328.52	\$ 181.48	\$ 4.68	\$ -	\$ 38.11	\$ 218.50	\$ -	\$ 4,474.07	\$ 5,030.06	\$ 6.04	\$ 15,253.03
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 351.31	\$ 194.07	\$ 15.61	\$ -	\$ -	\$ -	\$ 264.78	\$ 4,232.55	\$ 7,549.48	\$ 9.07	\$ 32,175.40
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 233.18	\$ 128.81	\$ 17.20	\$ -	\$ 141.02	\$ 738.58	\$ 450.92	\$ 4,083.33	\$ -	\$ -	\$ 23,008.15
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 1,371.08	\$ 757.43	\$ 28.87	\$ -	\$ 235.15	\$ 1,373.26	\$ 7.45	\$ 17,684.18	\$ 24,879.37	\$ 29.89	\$ 77,276.46
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 963.63	\$ 532.34	\$ 36.51	\$ -	\$ 297.68	\$ -	\$ 333.94	\$ 13,721.14	\$ 12,403.45	\$ 14.90	\$ 67,034.56
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 140.03	\$ 77.36	\$ 4.21	\$ -	\$ 34.48	\$ 213.33	\$ -	\$ 2,452.13	\$ -	\$ -	\$ 7,130.41
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 329.63	\$ 182.09	\$ 14.02	\$ -	\$ 114.93	\$ 707.42	\$ 6.34	\$ 5,772.29	\$ -	\$ -	\$ 21,156.28
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 136.19	\$ 75.24	\$ 4.61	\$ -	\$ 37.64	\$ 171.67	\$ 130.55	\$ 1,731.49	\$ 2,569.97	\$ 3.09	\$ 9,659.78
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 227.66	\$ 125.77	\$ 6.56	\$ -	\$ 39.48	\$ 166.42	\$ -	\$ 2,845.22	\$ 4,489.11	\$ 5.39	\$ 12,910.05
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 2,954.18	\$ 1,631.96	\$ 52.16	\$ -	\$ 426.29	\$ -	\$ 1,043.55	\$ 44,555.03	\$ 28,227.65	\$ 33.91	\$ 132,911.05
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 186.84	\$ 103.21	\$ 24.74	\$ -	\$ 202.81	\$ -	\$ 335.43	\$ 3,271.78	\$ -	\$ -	\$ 28,882.86
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 165.00	\$ 91.15	\$ 7.10	\$ -	\$ 57.90	\$ -	\$ 149.82	\$ 1,924.31	\$ 3,795.77	\$ 4.56	\$ 13,646.97
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 331.38	\$ 183.07	\$ 11.26	\$ -	\$ -	\$ -	\$ -	\$ 4,291.23	\$ 5,946.17	\$ 7.14	\$ 25,015.25
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 554.33	\$ 306.23	\$ 17.54	\$ -	\$ -	\$ -	\$ 33.97	\$ 8,219.53	\$ 5,851.08	\$ 7.03	\$ 21,474.88
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 81.95	\$ 45.27	\$ 8.44	\$ -	\$ -	\$ -	\$ 1,277.90	\$ 1,434.99	\$ -	\$ -	\$ 14,465.83
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,822.81	\$ 2,391.40	\$ 1,321.13	\$ 129.99	\$ -	\$ -	\$ -	\$ -	\$ 24,250.19	\$ 69,332.28	\$ 83.28	\$ 190,575.73
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 148.68	\$ 82.14	\$ 8.63	\$ -	\$ -	\$ -	\$ 246.09	\$ 1,685.81	\$ 3,610.11	\$ 4.34	\$ 16,125.81
S1	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 4,965.83	\$ 2,743.31	\$ -	\$ -	\$ 1,570.40	\$ -	\$ 4,000.19	\$ 59,532.86	\$ 107,874.57	\$ 129.61	\$ 417,653.10
	Grand Totals:	\$ 401,120.88	\$ 299,062.24	\$ 8,328.39	\$ 30,402.82	\$ 19,898.41	\$ 10,992.56	\$ 532.78	\$ -	\$ 4,270.91	\$ 6,231.44	\$ 12,220.91	\$ 256,855.87	\$ 360,265.78	\$ 432.80	\$ 1,410,615.79
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 19,909.81	\$ 11,000.00	\$ 715.42	\$ -	\$ 4,301.14	\$ 6,231.44	\$ 12,220.91	\$ 256,896.12	\$ 360,892.32	\$ 433.52	\$ 1,462,956.83
	Deviation:	\$ 64,659.60	\$ (104,012.19)	\$ (4,936.22)	\$ (7,153.01)	\$ (11.40)	\$ (7.44)	\$ (182.64)	\$ -	\$ (30.23)	\$ -	\$ -	\$ (40.25)	\$ (626.54)	\$ (0.72)	\$ (52,341.04)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

January, 14

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 961.78	\$ 409.98	\$ 27.20	\$ -	\$ 241.35	\$ -	\$ 1,596.63	\$ 7,203.27	\$ 23,480.69	\$ 6,724.12	\$ 69,474.52
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 596.29	\$ 254.18	\$ 12.69	\$ -	\$ 112.62	\$ -	\$ 371.67	\$ 4,624.20	\$ 13,112.92	\$ 3,755.12	\$ 36,363.93
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 784.59	\$ 334.46	\$ 12.29	\$ -	\$ 109.25	\$ 665.74	\$ 233.68	\$ 6,409.66	\$ 14,285.44	\$ 4,090.89	\$ 39,753.59
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 208.95	\$ 89.07	\$ 4.45	\$ -	\$ 39.60	\$ 239.17	\$ -	\$ 1,612.01	\$ 4,671.97	\$ 1,337.90	\$ 12,880.66
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 56.70	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,968.28
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 954.70	\$ 406.97	\$ 33.54	\$ -	\$ 219.47	\$ 1,154.83	\$ 1,097.59	\$ 6,815.39	\$ 26,365.73	\$ 7,550.30	\$ 70,827.58
12	Municipal Auditorium	\$ 4,976.29	\$ 7,695.20	\$ 337.05	\$ 954.28	\$ 377.56	\$ 160.93	\$ 13.38	\$ -	\$ 118.95	\$ -	\$ -	\$ 1,360.19	\$ 22,616.24	\$ 6,476.57	\$ 45,086.64
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 329.90	\$ 140.63	\$ 11.61	\$ -	\$ 102.91	\$ 260.00	\$ 229.58	\$ 2,631.77	\$ 6,585.06	\$ 1,885.75	\$ 24,612.09
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 1,225.68	\$ 522.49	\$ 19.11	\$ -	\$ 169.21	\$ -	\$ -	\$ 10,568.00	\$ 17,249.53	\$ 4,939.71	\$ 55,356.62
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 560.14	\$ 238.78	\$ 4.68	\$ -	\$ 41.48	\$ 218.50	\$ -	\$ 4,828.98	\$ 7,889.14	\$ 2,259.20	\$ 21,012.47
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 605.79	\$ 258.23	\$ 15.61	\$ -	\$ -	\$ -	\$ -	\$ 4,255.94	\$ 17,356.17	\$ 4,970.25	\$ 47,020.52
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 300.56	\$ 128.13	\$ 17.20	\$ -	\$ 153.49	\$ 738.58	\$ 365.40	\$ 3,054.79	\$ -	\$ -	\$ 21,973.26
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 1,752.12	\$ 746.90	\$ 28.87	\$ -	\$ 255.93	\$ 1,373.26	\$ -	\$ 13,533.79	\$ 39,021.92	\$ 11,174.63	\$ 98,797.20
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 1,536.69	\$ 655.06	\$ 36.51	\$ -	\$ 324.01	\$ -	\$ 208.71	\$ 12,759.22	\$ 26,103.37	\$ 7,475.17	\$ 87,829.71
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 263.59	\$ 112.37	\$ 4.21	\$ -	\$ 37.53	\$ 213.33	\$ -	\$ 2,679.01	\$ -	\$ -	\$ 7,518.91
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 412.18	\$ 175.71	\$ 14.02	\$ -	\$ 125.09	\$ 707.42	\$ 19.01	\$ 4,189.25	\$ -	\$ -	\$ 19,672.24
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 205.54	\$ 87.61	\$ 4.61	\$ -	\$ 40.97	\$ 171.67	\$ -	\$ 1,565.85	\$ 4,776.55	\$ 1,367.85	\$ 13,019.98
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 298.95	\$ 127.43	\$ 6.56	\$ -	\$ 42.97	\$ 166.42	\$ -	\$ 2,257.39	\$ 7,130.70	\$ 2,042.01	\$ 17,076.87
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 3,409.80	\$ 1,453.56	\$ 52.16	\$ -	\$ 463.98	\$ -	\$ 875.83	\$ 30,389.07	\$ 38,954.37	\$ 11,155.29	\$ 140,740.38
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 124.57	\$ 53.10	\$ 24.74	\$ -	\$ 220.75	\$ -	\$ -	\$ 1,266.09	\$ -	\$ -	\$ 26,447.30
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 238.73	\$ 101.77	\$ 7.10	\$ -	\$ 63.03	\$ -	\$ 134.17	\$ 1,685.48	\$ 6,763.68	\$ 1,936.90	\$ 18,382.22
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 533.98	\$ 227.63	\$ 11.26	\$ -	\$ -	\$ -	\$ -	\$ 4,253.45	\$ 10,715.88	\$ 3,068.69	\$ 33,055.89
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 657.06	\$ 280.10	\$ 17.54	\$ -	\$ -	\$ -	\$ 67.94	\$ 5,732.62	\$ 8,631.96	\$ 2,471.92	\$ 24,344.31
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 101.34	\$ 43.20	\$ 8.44	\$ -	\$ -	\$ -	\$ 1,347.60	\$ 1,030.02	\$ -	\$ -	\$ 14,147.88
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,822.81	\$ 2,759.75	\$ 1,176.37	\$ 129.99	\$ -	\$ -	\$ -	\$ -	\$ 15,474.98	\$ 114,800.52	\$ 32,875.21	\$ 260,284.28
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 238.68	\$ 101.75	\$ 8.63	\$ -	\$ -	\$ -	\$ 193.95	\$ 1,743.60	\$ 6,229.10	\$ 1,783.81	\$ 20,639.53
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 7,732.39	\$ 3,296.11	\$ -	\$ -	\$ 1,709.24	\$ -	\$ 3,765.77	\$ 56,006.09	\$ 206,180.58	\$ 59,043.55	\$ 574,570.06
Grand Totals:		\$ 401,120.88	\$ 299,062.24	\$ 8,328.39	\$ 30,402.82	\$ 27,171.31	\$ 11,582.52	\$ 532.78	\$ -	\$ 4,648.53	\$ 6,231.44	\$ 10,507.53	\$ 207,930.11	\$ 622,921.52	\$ 178,384.84	\$ 1,808,824.91
Rate Calculation Totals:		\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 27,185.54	\$ 11,587.35	\$ 715.42	\$ -	\$ 4,681.48	\$ 6,231.44	\$ 10,507.53	\$ 207,969.30	\$ 623,884.06	\$ 178,660.50	\$ 1,861,778.77
Deviation:		\$ 64,659.60	\$ (104,012.19)	\$ (4,936.22)	\$ (7,153.01)	\$ (14.23)	\$ (4.83)	\$ (182.64)	\$ -	\$ (32.95)	\$ -	\$ -	\$ (39.19)	\$ (962.54)	\$ (275.66)	\$ (52,953.86)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

February, 14

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 1,000.51	\$ 426.79	\$ 27.21	\$ -	\$ 223.92	\$ -	\$ 1,518.36	\$ 8,309.85	\$ 18,539.46	\$ 52.73	\$ 58,928.33
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 592.51	\$ 252.75	\$ 12.70	\$ -	\$ 104.49	\$ -	\$ 291.78	\$ 5,129.49	\$ 9,728.52	\$ 27.67	\$ 29,664.15
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 726.16	\$ 309.76	\$ 12.30	\$ -	\$ 101.36	\$ 665.74	\$ 209.08	\$ 6,509.85	\$ 10,581.39	\$ 30.10	\$ 31,973.33
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 213.39	\$ 91.02	\$ 4.46	\$ -	\$ 36.74	\$ 239.17	\$ -	\$ 1,888.69	\$ 3,255.15	\$ 9.26	\$ 10,415.42
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 52.61	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,964.19
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 513.30	\$ 218.96	\$ 33.54	\$ -	\$ 203.62	\$ 1,154.83	\$ 998.45	\$ 3,966.49	\$ 11,293.20	\$ 32.12	\$ 44,643.57
12	Municipal Auditorium	\$ 4,843.05	\$ 7,543.88	\$ 330.42	\$ 935.51	\$ 438.51	\$ 187.05	\$ 13.12	\$ -	\$ 108.19	\$ -	\$ 238.82	\$ 2,007.96	\$ 17,938.12	\$ 51.02	\$ 34,635.65
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 358.00	\$ 152.71	\$ 11.62	\$ -	\$ 95.48	\$ 260.00	\$ 435.31	\$ 3,089.67	\$ 5,935.51	\$ 16.88	\$ 22,790.06
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 1,120.84	\$ 478.12	\$ 19.12	\$ -	\$ 156.99	\$ -	\$ -	\$ 10,598.83	\$ 13,026.07	\$ 37.05	\$ 46,099.91
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 490.82	\$ 209.37	\$ 4.68	\$ -	\$ 38.49	\$ 218.50	\$ 1.30	\$ 4,541.41	\$ 6,303.99	\$ 17.93	\$ 16,798.06
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 544.90	\$ 232.44	\$ 15.62	\$ -	\$ -	\$ -	\$ 271.24	\$ 4,371.23	\$ 11,024.51	\$ 31.36	\$ 36,049.83
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 350.53	\$ 149.53	\$ 17.20	\$ -	\$ 142.40	\$ 738.58	\$ 139.94	\$ 3,993.15	\$ -	\$ -	\$ 22,746.44
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 1,778.46	\$ 758.63	\$ 28.88	\$ -	\$ 237.45	\$ 1,373.26	\$ -	\$ 15,385.56	\$ 29,265.48	\$ 83.24	\$ 79,820.74
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 1,620.12	\$ 691.10	\$ 36.53	\$ -	\$ 300.61	\$ -	\$ 177.40	\$ 14,872.80	\$ 21,513.77	\$ 61.19	\$ 78,004.49
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 276.78	\$ 118.07	\$ 4.21	\$ -	\$ 34.82	\$ 213.33	\$ -	\$ 3,152.97	\$ -	\$ -	\$ 8,009.05
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 446.50	\$ 190.47	\$ 14.02	\$ -	\$ 116.05	\$ 707.42	\$ 6.34	\$ 5,086.39	\$ -	\$ -	\$ 20,596.75
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 219.45	\$ 93.61	\$ 4.61	\$ -	\$ 38.01	\$ 171.67	\$ -	\$ 1,913.24	\$ 3,522.43	\$ 10.02	\$ 10,772.37
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 309.10	\$ 131.86	\$ 6.56	\$ -	\$ 39.87	\$ 166.42	\$ -	\$ 2,536.42	\$ 5,912.93	\$ 16.82	\$ 14,124.42
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 2,505.98	\$ 1,068.99	\$ 52.18	\$ -	\$ 430.47	\$ -	\$ 857.20	\$ 24,452.78	\$ 24,585.22	\$ 69.93	\$ 108,009.07
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 180.22	\$ 76.88	\$ 24.74	\$ -	\$ 204.80	\$ -	\$ -	\$ 2,053.01	\$ -	\$ -	\$ 27,297.70
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 206.88	\$ 88.25	\$ 7.10	\$ -	\$ 58.47	\$ -	\$ 138.64	\$ 1,622.58	\$ 4,407.88	\$ 12.54	\$ 13,993.70
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 507.42	\$ 216.45	\$ 11.26	\$ -	\$ -	\$ -	\$ -	\$ 4,405.98	\$ 8,252.38	\$ 23.47	\$ 27,661.96
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 823.35	\$ 351.22	\$ 17.54	\$ -	\$ -	\$ -	\$ 40.76	\$ 8,198.43	\$ 7,090.47	\$ 20.17	\$ 23,027.11
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 110.45	\$ 47.11	\$ 8.44	\$ -	\$ -	\$ -	\$ 1,312.75	\$ 1,258.15	\$ -	\$ -	\$ 14,354.18
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,825.03	\$ 2,630.80	\$ 1,122.19	\$ 130.04	\$ -	\$ -	\$ -	\$ -	\$ 14,602.19	\$ 92,270.10	\$ 262.44	\$ 204,087.44
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 278.68	\$ 118.88	\$ 8.64	\$ -	\$ -	\$ -	\$ 194.79	\$ 2,260.32	\$ 5,489.89	\$ 15.61	\$ 18,706.82
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 7,531.58	\$ 3,212.76	\$ -	\$ -	\$ 1,585.81	\$ -	\$ 2,965.07	\$ 62,524.88	\$ 139,736.37	\$ 397.45	\$ 454,790.25
	Grand Totals:	\$ 400,987.64	\$ 298,910.92	\$ 8,321.76	\$ 30,386.27	\$ 25,775.24	\$ 10,994.97	\$ 532.70	\$ -	\$ 4,310.65	\$ 6,231.44	\$ 9,797.23	\$ 218,732.32	\$ 449,672.84	\$ 1,279.00	\$ 1,465,932.98
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 25,788.99	\$ 11,000.00	\$ 715.42	\$ -	\$ 4,343.29	\$ 6,231.44	\$ 9,797.23	\$ 218,771.63	\$ 450,378.72	\$ 1,281.01	\$ 1,518,663.88
	Deviation:	\$ 64,526.36	\$ (104,163.51)	\$ (4,942.85)	\$ (7,169.56)	\$ (13.75)	\$ (5.03)	\$ (182.72)	\$ -	\$ (32.64)	\$ -	\$ -	\$ (39.31)	\$ (705.88)	\$ (2.01)	\$ (52,730.90)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

March, 14

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 932.32	\$ 566.10	\$ 27.21	\$ -	\$ 233.14	\$ -	\$ 1,440.09	\$ 9,315.28	\$ 16,627.08	\$ -	\$ 57,970.72
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 526.93	\$ 319.95	\$ 12.70	\$ -	\$ 108.79	\$ -	\$ 277.88	\$ 5,596.05	\$ 8,055.46	\$ -	\$ 28,422.00
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 582.12	\$ 353.46	\$ 12.30	\$ -	\$ 105.53	\$ 665.74	\$ 49.20	\$ 6,337.67	\$ 8,269.52	\$ -	\$ 29,203.13
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 159.44	\$ 96.81	\$ 4.46	\$ -	\$ 38.25	\$ 239.17	\$ -	\$ 1,687.10	\$ 2,462.30	\$ -	\$ 9,365.07
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 54.78	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,966.36
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 771.32	\$ 468.35	\$ 33.54	\$ -	\$ 212.00	\$ 1,154.83	\$ 873.82	\$ 7,160.12	\$ 15,970.69	\$ -	\$ 52,873.73
12	Municipal Auditorium	\$ 4,843.05	\$ 7,543.88	\$ 330.42	\$ 935.51	\$ 367.76	\$ 223.31	\$ 13.12	\$ -	\$ 112.64	\$ -	\$ 185.16	\$ 1,965.22	\$ 13,483.77	\$ -	\$ 30,003.84
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 353.49	\$ 214.64	\$ 11.62	\$ -	\$ 99.41	\$ 260.00	\$ 375.68	\$ 3,849.12	\$ 5,018.95	\$ -	\$ 22,617.79
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 923.96	\$ 561.02	\$ 19.12	\$ -	\$ 163.45	\$ -	\$ 78.49	\$ 10,833.43	\$ 9,989.14	\$ -	\$ 43,231.50
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 431.29	\$ 261.88	\$ 4.68	\$ -	\$ 40.08	\$ 218.50	\$ -	\$ 4,728.35	\$ 5,993.83	\$ -	\$ 16,650.18
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 497.00	\$ 301.77	\$ 15.62	\$ -	\$ -	\$ -	\$ 232.49	\$ 5,173.36	\$ 8,022.76	\$ -	\$ 33,801.53
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 372.13	\$ 225.96	\$ 17.20	\$ -	\$ 148.27	\$ 738.58	\$ 147.71	\$ 5,356.32	\$ -	\$ -	\$ 24,221.28
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 1,633.08	\$ 991.60	\$ 28.88	\$ -	\$ 247.22	\$ 1,373.26	\$ -	\$ 16,981.41	\$ 26,432.92	\$ -	\$ 78,598.15
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 1,489.73	\$ 904.55	\$ 36.53	\$ -	\$ 312.98	\$ -	\$ 58.44	\$ 17,010.88	\$ 17,954.23	\$ -	\$ 76,498.31
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 190.18	\$ 115.48	\$ 4.21	\$ -	\$ 36.25	\$ 213.33	\$ -	\$ 2,737.39	\$ -	\$ -	\$ 7,505.71
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 452.81	\$ 274.94	\$ 14.02	\$ -	\$ 120.83	\$ 707.42	\$ -	\$ 6,517.57	\$ -	\$ -	\$ 22,117.15
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 222.99	\$ 135.41	\$ 4.61	\$ -	\$ 39.57	\$ 171.67	\$ -	\$ 2,493.65	\$ 2,900.93	\$ -	\$ 10,768.16
39	Ryman Auditorium	\$ 1,758.00	\$ 2,779.97	\$ 121.75	\$ 344.72	\$ 342.36	\$ 207.88	\$ 6.56	\$ -	\$ 41.51	\$ 207.88	\$ -	\$ 3,611.34	\$ 5,333.40	\$ -	\$ 14,713.91
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 2,493.61	\$ 1,514.10	\$ 52.18	\$ -	\$ 448.18	\$ -	\$ 726.76	\$ 31,022.11	\$ 19,729.15	\$ -	\$ 109,972.41
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 217.99	\$ 132.36	\$ 24.74	\$ -	\$ 213.23	\$ -	\$ 22.36	\$ 3,137.67	\$ -	\$ -	\$ 28,506.40
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 183.56	\$ 111.46	\$ 7.10	\$ -	\$ 60.88	\$ -	\$ 145.35	\$ 1,723.89	\$ 3,720.01	\$ -	\$ 13,403.61
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 441.23	\$ 267.91	\$ 11.26	\$ -	\$ -	\$ -	\$ -	\$ 4,797.69	\$ 6,292.12	\$ -	\$ 26,055.21
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 904.51	\$ 549.20	\$ 17.54	\$ -	\$ -	\$ -	\$ 2.26	\$ 11,253.16	\$ 7,154.10	\$ -	\$ 26,365.94
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 122.00	\$ 74.08	\$ 8.44	\$ -	\$ -	\$ -	\$ 1,196.58	\$ 1,756.05	\$ -	\$ -	\$ 14,774.43
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,825.03	\$ 2,596.09	\$ 1,576.33	\$ 130.04	\$ -	\$ -	\$ -	\$ -	\$ 19,217.58	\$ 73,530.37	\$ -	\$ 190,120.09
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 292.41	\$ 177.55	\$ 8.64	\$ -	\$ -	\$ -	\$ 200.21	\$ 2,929.57	\$ 5,182.72	\$ -	\$ 19,131.11
S1	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 6,352.44	\$ 3,857.16	\$ -	\$ -	\$ 1,651.08	\$ -	\$ 3,519.09	\$ 65,854.83	\$ 103,630.18	\$ -	\$ 421,701.11
	Grand Totals:	\$ 400,987.64	\$ 298,910.92	\$ 8,321.76	\$ 30,386.27	\$ 23,852.75	\$ 14,483.26	\$ 532.70	\$ -	\$ 4,488.07	\$ 6,231.44	\$ 9,531.57	\$ 253,046.81	\$ 365,753.63	\$ -	\$ 1,416,526.82
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 23,864.00	\$ 14,490.32	\$ 715.42	\$ -	\$ 4,522.12	\$ 6,231.44	\$ 9,531.57	\$ 253,095.40	\$ 366,214.07	\$ -	\$ 1,469,020.49
	Deviation:	\$ 64,526.36	\$ (104,163.51)	\$ (4,942.85)	\$ (7,169.56)	\$ (11.25)	\$ (7.06)	\$ (182.72)	\$ -	\$ (34.05)	\$ -	\$ -	\$ (48.59)	\$ (460.44)	\$ -	\$ (52,493.67)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

April, 14

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 1,139.94	\$ 463.75	\$ 27.19	\$ -	\$ 224.11	\$ -	\$ 954.85	\$ 10,799.02	\$ 13,046.74	\$ -	\$ 55,485.10
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 490.17	\$ 199.41	\$ 12.68	\$ -	\$ 104.58	\$ -	\$ 173.68	\$ 5,208.27	\$ 4,539.09	\$ -	\$ 24,252.12
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 553.36	\$ 225.11	\$ 12.29	\$ -	\$ 101.45	\$ 665.74	\$ -	\$ 6,264.55	\$ 4,394.55	\$ -	\$ 25,044.64
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 190.02	\$ 77.30	\$ 4.45	\$ -	\$ 36.77	\$ 239.17	\$ -	\$ 2,089.68	\$ 1,625.68	\$ -	\$ 8,940.61
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 52.65	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,964.23
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 970.44	\$ 394.82	\$ 33.54	\$ -	\$ 203.79	\$ 1,154.83	\$ 1,104.67	\$ 6,094.14	\$ 16,984.56	\$ -	\$ 53,169.85
12	Municipal Auditorium	\$ 5,022.86	\$ 7,748.07	\$ 339.37	\$ 960.85	\$ 210.55	\$ 85.66	\$ 13.47	\$ -	\$ 111.22	\$ -	\$ 398.04	\$ 1,469.85	\$ 3,404.94	\$ -	\$ 19,764.88
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 365.74	\$ 148.79	\$ 11.60	\$ -	\$ 95.56	\$ 260.00	\$ 456.18	\$ 4,047.30	\$ 3,081.19	\$ -	\$ 20,901.24
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 880.50	\$ 358.19	\$ 19.10	\$ -	\$ 157.13	\$ -	\$ 298.26	\$ 10,464.69	\$ 6,050.11	\$ -	\$ 38,890.87
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 442.48	\$ 180.01	\$ 4.68	\$ -	\$ 38.52	\$ 218.50	\$ 14.35	\$ 4,599.89	\$ 4,290.23	\$ -	\$ 14,760.23
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 575.97	\$ 234.30	\$ 15.60	\$ -	\$ -	\$ -	\$ -	\$ 7,047.73	\$ 3,574.09	\$ -	\$ 31,006.22
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 513.74	\$ 208.98	\$ 17.20	\$ -	\$ 142.52	\$ 738.58	\$ -	\$ 7,967.06	\$ -	\$ -	\$ 26,803.19
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 1,733.03	\$ 705.03	\$ 28.85	\$ -	\$ 237.66	\$ 1,373.26	\$ -	\$ 17,459.09	\$ 17,859.43	\$ -	\$ 70,306.13
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 1,601.18	\$ 651.37	\$ 36.50	\$ -	\$ 300.87	\$ -	\$ -	\$ 18,608.89	\$ 11,800.84	\$ -	\$ 71,730.62
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 172.90	\$ 70.33	\$ 4.21	\$ -	\$ 34.85	\$ 213.33	\$ -	\$ 2,681.31	\$ -	\$ -	\$ 7,385.80
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 580.13	\$ 235.99	\$ 14.02	\$ -	\$ 116.15	\$ 707.42	\$ -	\$ 8,996.75	\$ -	\$ -	\$ 24,680.02
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 212.66	\$ 86.51	\$ 4.60	\$ -	\$ 38.05	\$ 171.67	\$ -	\$ 2,773.87	\$ 993.79	\$ -	\$ 9,080.48
39	Ryman Auditorium	\$ 1,783.79	\$ 2,809.26	\$ 123.04	\$ 348.36	\$ 450.07	\$ 183.09	\$ 6.63	\$ -	\$ 40.32	\$ 166.42	\$ -	\$ 4,735.87	\$ 4,255.57	\$ -	\$ 14,902.42
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 1,869.88	\$ 760.66	\$ 52.15	\$ -	\$ 430.84	\$ -	\$ -	\$ 24,790.33	\$ 7,980.40	\$ -	\$ 89,870.58
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 624.87	\$ 254.19	\$ 24.74	\$ -	\$ 204.97	\$ -	\$ 413.69	\$ 9,690.53	\$ -	\$ -	\$ 35,971.04
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 245.89	\$ 100.04	\$ 7.09	\$ -	\$ 58.52	\$ -	\$ 100.63	\$ 2,506.27	\$ 2,478.83	\$ -	\$ 12,948.63
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 476.40	\$ 193.80	\$ 11.25	\$ -	\$ -	\$ -	\$ -	\$ 5,326.00	\$ 3,910.73	\$ -	\$ 24,163.18
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 950.67	\$ 386.73	\$ 17.53	\$ -	\$ -	\$ -	\$ 4.53	\$ 11,790.36	\$ 5,600.03	\$ -	\$ 25,235.02
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 209.65	\$ 85.28	\$ 8.44	\$ -	\$ -	\$ -	\$ 575.06	\$ 3,251.29	\$ -	\$ -	\$ 15,747.00
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,821.61	\$ 4,621.49	\$ 1,880.11	\$ 129.94	\$ -	\$ -	\$ -	\$ -	\$ 44,734.39	\$ 51,085.73	\$ -	\$ 195,517.92
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 341.22	\$ 138.81	\$ 8.62	\$ -	\$ -	\$ -	\$ 133.47	\$ 3,303.15	\$ 3,771.13	\$ -	\$ 18,036.41
S1	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 6,600.55	\$ 2,685.16	\$ -	\$ -	\$ 1,587.18	\$ -	\$ 5,289.71	\$ 72,698.37	\$ 56,258.73	\$ -	\$ 381,956.03
Grand Totals:		\$ 401,193.24	\$ 299,144.40	\$ 8,332.00	\$ 30,411.83	\$ 27,023.50	\$ 10,993.42	\$ 532.75	\$ -	\$ 4,317.71	\$ 6,231.44	\$ 9,917.12	\$ 299,398.65	\$ 226,986.39	\$ -	\$ 1,324,482.45
Rate Calculation Totals:		\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 27,035.27	\$ 11,000.00	\$ 715.42	\$ -	\$ 4,347.00	\$ 6,231.44	\$ 9,917.12	\$ 299,475.05	\$ 227,188.47	\$ -	\$ 1,376,265.92
Deviation:		\$ 64,731.96	\$ (103,930.03)	\$ (4,932.61)	\$ (7,144.00)	\$ (11.77)	\$ (6.58)	\$ (182.67)	\$ -	\$ (29.29)	\$ -	\$ (76.40)	\$ (76.40)	\$ (202.08)	\$ -	\$ (51,783.47)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

May, 14

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 1,775.22	\$ 597.34	\$ 27.19	\$ -	\$ 343.90	\$ -	\$ 993.98	\$ 16,219.36	\$ 11,133.14	\$ -	\$ 59,919.63
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 504.13	\$ 169.64	\$ 12.68	\$ -	\$ 160.47	\$ -	\$ -	\$ 6,000.10	\$ 1,708.12	\$ -	\$ 22,079.38
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 597.88	\$ 201.18	\$ 12.29	\$ -	\$ 155.68	\$ 665.74	\$ -	\$ 7,115.65	\$ 2,026.04	\$ -	\$ 23,602.05
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 310.95	\$ 104.64	\$ 4.45	\$ -	\$ 56.43	\$ 239.17	\$ -	\$ 3,195.91	\$ 1,580.12	\$ -	\$ 10,169.21
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ -	\$ 80.80	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 6,992.38
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 1,463.75	\$ 492.53	\$ 33.54	\$ -	\$ 312.71	\$ 1,154.83	\$ 1,026.78	\$ 13,779.55	\$ 8,756.46	\$ -	\$ 53,249.21
12	Municipal Auditorium	\$ 5,022.86	\$ 7,748.07	\$ 339.37	\$ 960.85	\$ 224.66	\$ 75.60	\$ 13.47	\$ -	\$ 170.66	\$ -	\$ 550.10	\$ 3,154.27	\$ 260.39	\$ -	\$ 18,520.30
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 429.20	\$ 144.43	\$ 11.60	\$ -	\$ 146.63	\$ 260.00	\$ 411.46	\$ 5,174.44	\$ 1,385.29	\$ -	\$ 20,397.93
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 876.48	\$ 294.93	\$ 19.10	\$ -	\$ 241.11	\$ -	\$ 418.61	\$ 10,423.34	\$ 2,978.48	\$ -	\$ 35,914.94
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 600.20	\$ 201.96	\$ 4.68	\$ -	\$ 59.11	\$ 218.50	\$ 15.65	\$ 5,394.68	\$ 3,856.96	\$ -	\$ 15,323.31
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 614.50	\$ 206.78	\$ 15.60	\$ -	\$ -	\$ -	\$ 439.15	\$ 9,310.66	\$ -	\$ -	\$ 30,145.22
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 667.40	\$ 224.59	\$ 17.20	\$ -	\$ 218.70	\$ 738.58	\$ -	\$ 10,112.24	\$ -	\$ -	\$ 29,193.82
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 2,161.51	\$ 727.33	\$ 28.85	\$ -	\$ 364.68	\$ 1,373.26	\$ -	\$ 20,923.13	\$ 12,331.30	\$ -	\$ 68,819.84
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 1,543.18	\$ 519.28	\$ 36.50	\$ -	\$ 461.67	\$ -	\$ -	\$ 18,810.45	\$ 4,765.99	\$ -	\$ 64,868.04
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 229.86	\$ 77.35	\$ 4.21	\$ -	\$ 53.47	\$ 213.33	\$ -	\$ 3,482.68	\$ -	\$ -	\$ 8,269.77
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 805.50	\$ 271.06	\$ 14.02	\$ -	\$ 178.23	\$ 707.42	\$ -	\$ 12,204.66	\$ -	\$ -	\$ 28,210.45
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 292.21	\$ 98.33	\$ 4.60	\$ -	\$ 58.38	\$ 171.67	\$ -	\$ 3,936.66	\$ 511.66	\$ -	\$ 9,872.84
39	Ryman Auditorium	\$ 1,783.79	\$ 2,809.26	\$ 123.04	\$ 348.36	\$ 716.47	\$ 241.08	\$ 6.63	\$ -	\$ 61.88	\$ 166.42	\$ -	\$ 6,530.68	\$ 4,509.34	\$ -	\$ 17,296.95
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 1,561.96	\$ 525.60	\$ 52.15	\$ -	\$ 661.11	\$ -	\$ -	\$ 21,095.11	\$ 2,680.69	\$ -	\$ 80,562.94
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 1,447.34	\$ 487.04	\$ 24.74	\$ -	\$ 314.53	\$ -	\$ 458.42	\$ 21,929.55	\$ -	\$ -	\$ 49,419.67
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 454.73	\$ 153.01	\$ 7.09	\$ -	\$ 89.81	\$ -	\$ 76.03	\$ 3,877.92	\$ 3,140.37	\$ -	\$ 15,250.32
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 707.33	\$ 238.01	\$ 11.25	\$ -	\$ -	\$ -	\$ -	\$ 7,231.60	\$ 3,634.16	\$ -	\$ 26,067.35
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 1,213.29	\$ 408.27	\$ 17.53	\$ -	\$ -	\$ -	\$ 74.73	\$ 13,413.77	\$ 5,181.21	\$ -	\$ 26,793.97
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 339.66	\$ 114.30	\$ 8.44	\$ -	\$ -	\$ -	\$ 238.15	\$ 5,146.34	\$ -	\$ -	\$ 17,464.17
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,821.61	\$ 7,837.57	\$ 2,637.24	\$ 129.94	\$ -	\$ -	\$ -	\$ -	\$ 71,640.20	\$ 49,119.40	\$ -	\$ 224,430.61
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 549.06	\$ 184.75	\$ 8.62	\$ -	\$ -	\$ -	\$ 102.19	\$ 4,226.74	\$ 4,266.88	\$ -	\$ 19,678.25
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 9,944.56	\$ 3,346.27	\$ -	\$ -	\$ 2,435.47	\$ -	\$ 4,567.70	\$ 101,383.85	\$ 51,392.48	\$ -	\$ 409,906.66
	Grand Totals:	\$ 401,193.24	\$ 299,144.40	\$ 8,332.00	\$ 30,411.83	\$ 37,868.60	\$ 12,742.54	\$ 532.75	\$ -	\$ 6,625.43	\$ 6,231.44	\$ 9,372.95	\$ 405,713.54	\$ 175,218.48	\$ -	\$ 1,393,387.20
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 37,880.14	\$ 12,745.16	\$ 715.42	\$ -	\$ 6,670.34	\$ 6,231.44	\$ 9,372.95	\$ 405,820.07	\$ 175,290.57	\$ -	\$ 1,445,082.24
	Deviation:	\$ 64,731.96	\$ (103,930.03)	\$ (4,932.61)	\$ (7,144.00)	\$ (11.54)	\$ (2.62)	\$ (182.67)	\$ -	\$ (44.91)	\$ -	\$ -	\$ (106.53)	\$ (72.09)	\$ -	\$ (51,695.04)

Metro Nashville District Energy System
FY 13 - 14

Chilled Water and Steam Revenues

June, 14

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	\$ 10,597.60	\$ 15,611.81	\$ 683.87	\$ 1,936.22	\$ 2,245.23	\$ 449.25	\$ 27.19	\$ 1,091.22	\$ 351.30	\$ -	\$ 759.18	\$ 30,643.56	\$ 7,902.78	\$ -	\$ 72,299.21
4	Historic Metro Courthouse	\$ 5,016.88	\$ 7,284.75	\$ 319.11	\$ 903.50	\$ 654.59	\$ 130.97	\$ 12.68	\$ 509.42	\$ 163.93	\$ -	\$ 361.25	\$ 11,947.40	\$ 875.30	\$ -	\$ 28,179.78
7	Parkway Towers	\$ 4,573.78	\$ 7,067.76	\$ 309.57	\$ 876.48	\$ 511.02	\$ 102.25	\$ 12.29	\$ 493.27	\$ 159.03	\$ 665.74	\$ -	\$ 10,741.41	\$ 12.74	\$ -	\$ 25,525.34
9	Wells Fargo Plaza	\$ 1,685.86	\$ 2,561.77	\$ 112.21	\$ 317.70	\$ 215.30	\$ 43.08	\$ 4.45	\$ 178.89	\$ 57.64	\$ 239.17	\$ -	\$ 4,536.87	\$ -	\$ -	\$ 9,952.94
10	501 Union Building	\$ 2,330.18	\$ 3,668.22	\$ 160.66	\$ 454.88	\$ -	\$ -	\$ 6.38	\$ 255.86	\$ 82.53	\$ 291.26	\$ -	\$ -	\$ -	\$ -	\$ 7,249.97
11	Sheraton Hotel	\$ 9,650.73	\$ 14,195.86	\$ 621.85	\$ 1,760.62	\$ 2,576.52	\$ 515.54	\$ 24.72	\$ 992.30	\$ 319.44	\$ 1,154.83	\$ 786.01	\$ 31,066.88	\$ 11,011.82	\$ -	\$ 74,677.12
12	Municipal Auditorium	\$ 5,022.86	\$ 7,748.07	\$ 339.37	\$ 960.85	\$ 374.36	\$ 74.90	\$ 13.47	\$ 540.78	\$ 174.33	\$ -	\$ 272.81	\$ 7,673.58	\$ 101.96	\$ -	\$ 23,297.34
21	Hermitage Hotel	\$ 4,661.45	\$ 6,656.26	\$ 291.59	\$ 825.58	\$ 557.07	\$ 111.46	\$ 11.60	\$ 465.73	\$ 149.79	\$ 260.00	\$ 393.57	\$ 10,587.70	\$ 545.67	\$ -	\$ 25,517.47
24	Criminal Justice Center	\$ 7,882.11	\$ 10,943.86	\$ 479.45	\$ 1,357.47	\$ 1,110.16	\$ 222.13	\$ 19.10	\$ 766.47	\$ 246.30	\$ -	\$ 462.22	\$ 18,200.37	\$ 2,462.18	\$ -	\$ 44,151.82
25	501 Union Building	\$ 1,837.91	\$ 2,683.32	\$ 117.54	\$ 332.80	\$ 724.28	\$ 144.92	\$ 4.68	\$ 187.61	\$ 60.39	\$ 218.50	\$ 1.30	\$ 8,929.64	\$ 3,002.37	\$ -	\$ 18,245.26
28	4th & Church Building	\$ 19,558.53	\$ -	\$ -	\$ -	\$ 906.31	\$ 181.34	\$ 15.60	\$ 626.54	\$ -	\$ -	\$ 83.96	\$ 19,097.92	\$ -	\$ -	\$ 40,470.20
29	Fifth-Third Financial Center	\$ 5,616.88	\$ 9,931.98	\$ 434.91	\$ 1,231.34	\$ 905.47	\$ 181.17	\$ 17.20	\$ 690.45	\$ 223.41	\$ 738.58	\$ -	\$ 19,080.12	\$ -	\$ -	\$ 39,051.51
32	Renaissance Hotel	\$ 11,577.35	\$ 16,554.03	\$ 725.19	\$ 2,053.21	\$ 2,459.14	\$ 492.05	\$ 28.85	\$ 1,158.22	\$ 372.53	\$ 1,373.26	\$ 14.91	\$ 38,014.67	\$ 6,545.13	\$ -	\$ 81,368.54
33	Convention Center	\$ 14,255.50	\$ 20,958.11	\$ 918.07	\$ 2,599.29	\$ 1,623.67	\$ 324.88	\$ 36.50	\$ 1,465.02	\$ 471.61	\$ -	\$ -	\$ 33,410.43	\$ 381.03	\$ -	\$ 76,444.11
34	Renaissance Office Tower	\$ 1,373.25	\$ 2,428.24	\$ 106.33	\$ 301.05	\$ 318.56	\$ 63.74	\$ 4.21	\$ 168.81	\$ 54.62	\$ 213.33	\$ -	\$ 6,712.70	\$ -	\$ -	\$ 11,744.84
35	St. Mary's Catholic Church	\$ 936.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31.26	\$ -	\$ -	\$ -	\$ -	\$ 967.99
36	Nashville City Center	\$ 4,577.51	\$ 8,094.13	\$ 354.43	\$ 1,003.49	\$ 1,038.70	\$ 207.83	\$ 14.02	\$ 562.69	\$ 182.07	\$ 707.42	\$ -	\$ 21,887.54	\$ -	\$ -	\$ 38,629.83
38	Wildhorse Saloon	\$ 1,704.01	\$ 2,650.53	\$ 116.10	\$ 328.69	\$ 443.74	\$ 88.79	\$ 4.60	\$ 184.95	\$ 59.63	\$ 171.67	\$ -	\$ 8,329.70	\$ 483.96	\$ -	\$ 14,566.37
39	Ryman Auditorium	\$ 1,783.79	\$ 2,809.26	\$ 123.04	\$ 348.36	\$ 929.55	\$ 185.99	\$ 4.88	\$ 195.95	\$ 63.21	\$ 166.42	\$ -	\$ 11,866.23	\$ 3,660.84	\$ -	\$ 22,137.52
40	Bridgestone Arena	\$ 18,932.48	\$ 30,016.96	\$ 1,314.67	\$ 3,722.21	\$ 2,501.21	\$ 500.47	\$ 52.15	\$ 2,093.27	\$ 675.36	\$ -	\$ -	\$ 50,215.65	\$ 1,180.62	\$ -	\$ 111,205.05
41	L.P. Field	\$ 8,077.96	\$ 14,283.76	\$ 625.46	\$ 1,770.87	\$ 2,216.89	\$ 443.57	\$ 24.74	\$ 992.97	\$ 321.30	\$ -	\$ 67.09	\$ 46,714.63	\$ -	\$ -	\$ 75,539.24
43	Hume-Fogg High School	\$ 2,690.16	\$ 4,077.01	\$ 178.58	\$ 505.61	\$ 591.34	\$ 118.33	\$ 7.09	\$ 284.71	\$ 91.74	\$ -	\$ 67.09	\$ 6,067.32	\$ 3,031.23	\$ -	\$ 17,710.21
44	Schermerhorn Symphony Center	\$ 14,245.00	\$ -	\$ -	\$ -	\$ 904.83	\$ 181.05	\$ 11.25	\$ 451.56	\$ -	\$ -	\$ -	\$ 12,343.10	\$ 3,187.78	\$ -	\$ 31,324.57
45	Nashville Public Library	\$ 6,485.17	\$ -	\$ -	\$ -	\$ 1,843.01	\$ 368.77	\$ 17.53	\$ 703.77	\$ -	\$ -	\$ 264.95	\$ 25,369.09	\$ 6,385.03	\$ -	\$ 41,437.32
49	Viridian Residential Tower	\$ 11,617.28	\$ -	\$ -	\$ -	\$ 442.37	\$ 88.51	\$ 8.44	\$ 338.94	\$ -	\$ -	\$ 406.60	\$ 9,321.69	\$ -	\$ -	\$ 22,223.83
50	Music City Center	\$ 77,567.78	\$ 8,676.87	\$ -	\$ 6,821.61	\$ 14,105.98	\$ 2,822.49	\$ 129.94	\$ 5,216.28	\$ -	\$ -	\$ -	\$ 174,307.23	\$ 58,286.44	\$ -	\$ 347,934.62
51	Hyatt Place Hotel	\$ 10,340.01	\$ -	\$ -	\$ -	\$ 685.92	\$ 137.25	\$ 8.62	\$ 346.35	\$ -	\$ -	\$ 43.80	\$ 7,366.45	\$ 3,360.34	\$ -	\$ 22,288.74
51	State Government of TN	\$ 136,594.49	\$ 100,241.84	\$ -	\$ -	\$ 14,078.28	\$ 2,816.94	\$ -	\$ 7,728.85	\$ 2,487.94	\$ -	\$ 2,880.57	\$ 194,435.05	\$ 48,466.61	\$ -	\$ 509,730.57
	Grand Totals:	\$ 401,193.24	\$ 299,144.40	\$ 8,332.00	\$ 30,411.83	\$ 54,963.50	\$ 10,997.67	\$ 522.18	\$ 28,690.88	\$ 6,768.10	\$ 6,231.44	\$ 6,865.31	\$ 818,866.93	\$ 160,883.83	\$ -	\$ 1,833,871.31
	Rate Calculation Totals:	\$ 336,461.28	\$ 403,074.43	\$ 13,264.61	\$ 37,555.83	\$ 54,973.24	\$ 11,000.00	\$ 715.42	\$ 28,717.75	\$ 6,814.09	\$ 6,231.44	\$ 6,865.31	\$ 819,072.20	\$ 160,883.86	\$ -	\$ 1,885,629.46
	Deviation:	\$ 64,731.96	\$ (103,930.03)	\$ (4,932.61)	\$ (7,144.00)	\$ (9.74)	\$ (2.33)	\$ (193.24)	\$ (26.87)	\$ (45.99)	\$ -	\$ -	\$ (205.27)	\$ (0.03)	\$ -	\$ (51,758.15)

Metro Nashville District Energy System
FY 12 - 13

Chilled Water and Steam Revenues

True Up

Customer Number	Customer Name	Capacity	Operating	EDS Improve mt	Metro Incremental	Water And Sewer	Chemical Treatment	Engineering	Insurance	EDS Electricity	EDS Maint Costs Alloc	TIFS	Electricity	Natural Gas	Propane	Total
2	A. A. Birch	\$ -	\$ -	\$ -	(4,433.04)	(45.46)	(134.30)	(150.93)	-	-	-	-	(84.97)	(728.28)	-	(5,576.98)
4	Historic Metro Courthouse	\$ -	\$ -	\$ -	(2,068.61)	(21.63)	(60.85)	(70.46)	-	-	-	-	(39.98)	(298.91)	-	(2,560.44)
7	Parkway Towers	\$ -	\$ -	\$ -	(2,006.72)	(24.13)	(64.94)	(68.20)	-	-	-	-	(44.15)	(287.79)	-	(2,495.93)
9	Wells Fargo Plaza	\$ -	\$ -	\$ -	(776.03)	(12.85)	(32.83)	(26.38)	-	-	-	-	(23.25)	(126.09)	-	(997.43)
10	501 Union Building	\$ -	\$ -	\$ -	(1,041.46)	-	-	(35.37)	-	-	-	-	-	-	-	(1,076.83)
11	Sheraton Hotel	\$ -	\$ -	\$ -	(4,030.99)	(49.31)	(147.63)	(137.24)	-	-	-	-	(92.44)	(820.46)	-	(5,278.07)
12	Municipal Auditorium	\$ -	\$ -	\$ -	(2,141.86)	(9.06)	(44.26)	(72.78)	-	-	-	-	(19.54)	(417.33)	-	(2,704.83)
21	Hermitage Hotel	\$ -	\$ -	\$ -	(1,890.21)	(17.72)	(45.92)	(64.43)	-	-	-	-	(32.15)	(184.06)	-	(2,234.49)
24	Criminal Justice Center	\$ -	\$ -	\$ -	(3,107.97)	(39.27)	(101.83)	(106.05)	-	-	-	-	(71.27)	(408.59)	-	(3,834.98)
25	501 Union Building	\$ -	\$ -	\$ -	(761.95)	(17.28)	(49.73)	(25.95)	-	-	-	-	(32.10)	(256.14)	-	(1,143.15)
28	4th & Church Building	\$ -	\$ -	\$ -	-	(27.49)	(71.01)	(86.64)	-	-	-	-	(49.86)	(281.74)	-	(516.74)
29	Fifth-Third Financial Center	\$ -	\$ -	\$ -	(2,819.20)	(27.07)	(52.09)	(95.38)	-	-	-	-	(46.44)	-	-	(3,040.18)
32	Renaissance Hotel	\$ -	\$ -	\$ -	(4,700.90)	(67.69)	(196.98)	(160.22)	-	-	-	-	(126.04)	(1,038.05)	-	(6,289.88)
33	Convention Center	\$ -	\$ -	\$ -	(5,951.17)	(67.59)	(170.10)	(202.63)	-	-	-	-	(121.90)	(622.86)	-	(7,136.25)
34	Renaissance Office Tower	\$ -	\$ -	\$ -	(689.26)	(12.16)	(23.39)	(23.32)	-	-	-	-	(20.85)	-	-	(768.98)
35	St. Mary's Catholic Church	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-	-	-	-
36	Nashville City Center	\$ -	\$ -	\$ -	(2,297.53)	(35.63)	(68.55)	(77.73)	-	-	-	-	(61.12)	-	-	(2,540.56)
38	Wildhorse Saloon	\$ -	\$ -	\$ -	(795.79)	(10.53)	(26.70)	(27.04)	-	-	-	-	(19.02)	(100.13)	-	(979.21)
39	Ryman Auditorium	\$ -	\$ -	\$ -	(827.11)	(18.56)	(52.48)	(28.08)	-	-	-	-	(34.33)	(260.74)	-	(1,221.30)
40	Bridgestone Arena	\$ -	\$ -	\$ -	(8,522.13)	(132.85)	(321.36)	(289.37)	-	-	-	-	(237.68)	(1,022.59)	-	(10,525.98)
41	L.P. Field	\$ -	\$ -	\$ -	(4,054.46)	(54.35)	(104.57)	(137.17)	-	-	-	-	(93.23)	-	-	(4,443.78)
43	Hume-Fogg High School	\$ -	\$ -	\$ -	(1,157.61)	(9.98)	(31.10)	(39.37)	-	-	-	-	(18.89)	(185.18)	-	(1,442.13)
44	Schermerhorn Symphony Center	\$ -	\$ -	\$ -	-	(21.04)	(59.37)	(62.43)	-	-	-	-	(38.91)	(293.81)	-	(475.56)
45	Nashville Public Library	\$ -	\$ -	\$ -	-	(41.53)	(96.74)	(97.33)	-	-	-	-	(73.75)	(261.67)	-	(571.02)
49	Viridian Residential Tower	\$ -	\$ -	\$ -	-	(12.89)	(24.80)	(46.82)	-	-	-	-	(22.11)	-	-	(106.62)
50	Music City Center	\$ -	\$ -	\$ -	(15,607.96)	(183.45)	(584.48)	(721.20)	-	-	-	-	(349.17)	(3,600.16)	-	(21,046.42)
51	Hyatt Place Hotel	\$ -	\$ -	\$ -	-	(10.66)	(32.78)	(47.93)	-	-	-	-	(20.11)	(190.92)	-	(302.40)
51	State Government of TN	\$ -	\$ -	\$ -	-	(318.83)	(924.71)	-	-	-	-	-	(593.29)	(4,840.41)	-	(6,677.24)
	Grand Totals:	\$ -	\$ -	\$ -	(69,681.96)	(1,289.01)	(3,523.50)	(2,900.45)	-	-	-	-	(2,366.55)	(16,225.91)	-	(95,987.38)
	Rate Calculation Totals:	\$ -	\$ -	\$ -	(85,985.45)	(1,289.09)	(3,515.25)	(3,973.26)	-	-	-	-	(2,367.25)	(16,244.65)	-	(113,374.95)
	Deviation:	\$ -	\$ -	\$ -	16,303.49	0.08	(8.25)	1,072.81	-	-	-	-	0.70	18.74	-	17,387.57



Appendix 4

CNE INVOICE RECONCILIATION - FY 2013 - 2014

FINALIZE FUEL EFFICIENCY ADJUSTMENTS

SUMMARY	ELECTRIC FEA	FUEL GAS FEA	WATER FEA	System TOTAL	Include FEA in INVOICE (YES/NO) YES
STEAM SYSTEM	\$31,203.04	\$128,137.58	\$497.04	\$159,837.66	
CHILLED WATER SYSTEM	\$269,938.23	\$0.00	\$136,381.98	\$406,320.21	
TOTAL	\$301,141.27	\$128,137.58	\$136,879.02	\$566,157.87	

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	3.232
GUARANTEED MAX QUANTITY	6.000	kWh per mlb sold	STEAM SOLD	410,084 mlb		
CEPS FUEL EFFICIENCY ADJUSTME	6.000	kWh per mlb sold	VARIANCE in kWh = RATE VARIANCE x STEAM SOLD		0	1,325,392
CEPS ACTUAL CONVERSION RATE	2.768	kWh per mlb sold	AVERAGE ELECTRIC PRICE	\$0.0942 / kWh		
			CEPS PENALTY / BONUS		\$0.00	\$31,203.04
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)	83%		of Send-out		CNE PENALTY/BONUS CALCULATION		PENALTY	BONUS
Given Condensate Return at	170 °F	avg. Temp.	RATE VARIANCE	Dth. per mlb sold	0.000	0.215		
GUARANTEED MAX QUANTITY	1.675	Dth.per mlb sold	STEAM SEND-OUT	463,085 mlb			0	99,563
CEPS FUEL EFFICIENCY ADJUSTME	1.589	Dth.per mlb sold	VARIANCE in Dth. = RATE VARIANCE x STEAM SOLD				0	
CEPS ACTUAL CONVERSION RATE	1.374	Dth.per mlb sold	AVERAGE FUEL PRICE	\$5.1480 / Dth.				
			CEPS PENALTY / BONUS		\$0.00	\$128,137.58		
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%		VARIANCE in gallons = GMQ - CES ACTUAL USE		CNE PENALTY/BONUS CALCULATION		PENALTY	BONUS
PLANT LOSSES	7.4805	gallons per cft	AVERAGE WATER PRICE	\$2.5301 / kGall			0	785,798
VOLUMETRIC CONVERSION	8.15585	gall per lb	CEPS PENALTY / BONUS		\$0.00	\$497.04		
CONDENSATE RETURN SPEC. VOL.	11,280,223	gallons	Average water price excludes sewer.					
GUARANTEED MAX QUANTITY	10,494,425	gallons	NOTE: Penalty at 100% of variance and Bonus at 25% of variance					
CEPS ACTUAL USE								

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	0.186
GUARANTEED MAX QUANTITY	1.055	kWh per ton-hr sold	CHILLED WATER SOLD	61,768,221 ton-hrs		
CEPS FUEL EFFICIENCY ADJUSTME	1.055	kWh per ton-hr sold	VARIANCE in kWh = RATE VARIANCE x CHW SOLD		0	11,465,997
CEPS ACTUAL CONVERSION RATE	0.869	kWh per ton-hr sold	AVERAGE ELECTRIC PRICE	\$0.0942 / kWh		
			CEPS PENALTY / BONUS		\$0.00	\$269,938.23
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	3.491
GUARANTEED MAX QUANTITY	5.250	gall per ton-hr sold	CHILLED WATER SOLD	61,768,221 ton-hrs		
CEPS FUEL EFFICIENCY ADJUSTME	5.250	gall per ton-hr sold	VARIANCE in gallons = RATE VARIANCE x CHW SOLD		0	215,615,160
CEPS ACTUAL CONVERSION RATE	1.759	gall per ton-hr sold	AVERAGE WATER PRICE	\$2.5301 / kGall		
			CEPS PENALTY / BONUS		\$0.00	\$136,381.98
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	\$30,026.21	\$31,203.04	\$1,176.83	ELECTRIC	\$290,593.62	\$269,938.23	(\$20,655.39)
FUEL GAS	\$133,558.12	\$128,137.58	(\$5,420.54)	FUEL GAS	\$0.00	\$0.00	\$0.00
WATER	\$409.26	\$497.04	\$87.78	WATER	\$136,386.31	\$136,381.98	(\$4.33)
TOTAL	\$163,993.59	\$159,837.66	(\$4,155.93)	TOTAL	\$426,979.93	\$406,320.21	(\$20,659.72)

COMPARISON AMOUNT COLLECTED BY METRO VS 97-13 CAP

FEA COLLECTED BY METRO				METRO PAID	METRO OWES
	STEAM	CHILLED WATER	TOTAL	CNE	CUSTOMER
ELECTRIC	\$4,444.98	\$146,316.63	\$150,761.61		
FUEL GAS	\$25,961.55	\$0.00	\$25,961.55		
WATER	\$234.52	\$62,855.86	\$63,090.38		
TOTAL	\$30,641.05	\$209,172.49	\$239,813.54	\$235,329.81	\$4,483.73



NASHVILLE, TENNESSEE

REV: 1
DATE: 07/31/14

CNE INVOICE RECONCILIATION - FY 2013 - 2014

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	15,727,916	14,917,737	14,613,218	27,081,293	43,237,219	55,520,272	73,196,015	55,770,851	47,348,983	27,620,475	18,380,770	16,668,861	410,083,610
	Reconciled, lbs	15,727,916	14,917,737	14,613,218	27,081,293	43,237,219	55,520,272	73,196,015	55,770,851	47,348,983	27,620,475	18,380,770	16,668,861	410,083,610
CHW SALES	Previously invoiced, ton-hrs	8,234,658	8,471,341	7,085,966	5,281,948	3,129,934	3,072,180	2,611,013	2,477,743	2,993,791	4,276,780	5,976,462	8,156,405	61,768,221
	Reconciled, ton-hrs	8,234,658	8,471,341	7,085,966	5,281,948	3,129,934	3,072,180	2,611,013	2,477,743	2,993,791	4,276,780	5,976,462	8,156,405	61,768,221
SUMMARY FROM CUSTOMER METER READS from INVOICES (paste link)														
START DATE		07/01/13	08/01/13	09/01/13	10/01/13	11/01/13	12/01/13	01/01/14	01/01/14	03/01/14	04/01/14	05/01/14	06/01/14	07/01/13
END DATE		07/31/13	08/31/13	09/30/13	10/31/13	11/30/13	12/31/13	01/31/14	01/31/14	03/31/14	04/30/14	05/31/14	06/30/14	06/30/14
CHW SALES	ton-hrs	8,234,658	8,471,341	7,085,966	5,281,948	3,129,934	3,072,180	2,611,013	2,477,743	2,993,791	4,276,780	5,976,462	8,156,405	61,768,221
CHW SENDOUT	ton-hrs	8,884,500	8,985,900	7,586,500	5,632,400	3,329,200	3,302,400	2,817,400	2,689,500	3,257,300	4,677,500	6,353,900	8,751,700	66,268,200
CHW ELECTRIC	kWh	7,080,084	7,218,289	5,998,841	4,438,872	2,562,466	2,530,435	2,155,096	2,047,970	2,501,867	3,654,951	5,157,907	7,366,671	52,713,449
CHW MUW	galls	15,079,000	15,753,000	13,342,000	9,077,000	4,815,000	4,473,000	3,599,000	3,623,000	4,682,000	7,756,000	11,280,000	15,189,000	108,668,000
STEAM SALES	mbs	15,728	14,918	14,613	27,081	43,237	55,520	73,196	55,771	47,349	27,620	18,381	16,669	410,083
STEAM SENDOUT	mbs	21,558	20,750	20,242	31,946	46,929	58,736	75,232	58,553	51,113	31,733	23,898	22,395	463,085
STEAM PRODUCTION	mbs	25,179	25,185	24,237	37,038	55,035	68,793	86,871	68,865	63,782	36,089	27,785	26,500	541,420
NATURAL GAS	mmBtu	28,163	27,598	27,639	43,959	64,792	80,901	97,046	81,162	70,407	43,946	32,231	29,813	627,657
PROPANE	mmBtu	8	0	0	0	33	25	7,847	40	0	0	0	0	7,953
STEAM ELECTRIC	kWh	54,374	53,912	51,750	77,668	113,220	132,574	170,074	135,985	125,428	83,303	57,358	50,786	1,106,432
CONDENSATE RETURN	galls	2,294,500	2,140,100	2,027,200	3,312,300	4,703,500	5,899,800	7,482,500	6,130,100	5,218,700	3,294,800	2,253,800	2,213,300	46,970,600
	mbs	18,714	17,454	16,534	27,015	38,361	48,118	61,026	49,996	42,563	26,872	18,382	18,051	383,086
	°F	177 °F	174 °F	174 °F	167 °F	165 °F	166 °F	170 °F	168 °F	168 °F	169 °F	175 °F	184 °F	169.8
	mbs	2,714	2,905	3,405	5,132	9,654	11,617	16,933	9,603	9,416	5,150	5,633	4,551	86,712
Days in Service		31	31	30	31	30	31	31	31	31	30	31	30	368
Efficiency - Cooling	kWh/ton-hr-Sold	0.860	0.852	0.847	0.840	0.819	0.824	0.825	0.827	0.836	0.855	0.863	0.903	0.853
Efficiency - Heating	Dth/kib-Sendout	1.307	1.330	1.365	1.376	1.381	1.378	1.394	1.387	1.377	1.385	1.349	1.331	1.373

CNE INVOICE RECONCILIATION - FY 2013 - 2014

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 7/1/2013	8/1/2013	9/1/2013	10/1/2013	11/1/2013	12/1/2013	1/1/2014	2/1/2014	3/1/2014	4/1/2014	5/1/2014	6/1/2014	7/1/2013	
	To 7/31/2013	8/31/2013	9/30/2013	10/31/2013	11/30/2013	12/31/2013	1/31/2014	2/28/2014	3/31/2014	4/30/2014	5/31/2014	6/30/2014	6/30/2014	
PEAK Demand	kWh	16,304	15,978	15,750	0	0	8,954	6,060	6,754	6,060	0	16,422	16,422	
Service Period Use	kWh	7,226,986	7,360,046	6,134,690	4,533,314	2,738,163	2,761,480	2,413,808	2,279,395	2,722,841	3,824,365	5,323,567	7,515,931	54,834,586
Service Period Charge	\$	\$ 758,862.76	\$ 757,156.39	\$ 660,906.64	\$ 323,388.25	\$ 202,335.75	\$ 256,896.12	\$ 207,969.30	\$ 218,771.63	\$ 253,095.40	\$ 299,475.05	\$ 405,820.07	\$ 819,072.20	\$ 5,163,749.56
Average Charge	\$/kWh	\$ 0.105000	\$ 0.102900	\$ 0.107700	\$ 0.071300	\$ 0.073900	\$ 0.093000	\$ 0.086200	\$ 0.096000	\$ 0.093000	\$ 0.078300	\$ 0.076200	\$ 0.109000	\$ 0.094170

NATURAL GAS SERVICE														
Service Dates	From 7/1/2013	8/1/2013	9/1/2013	10/1/2013	11/1/2013	12/1/2013	1/1/2014	2/1/2014	3/1/2014	4/1/2014	5/1/2014	6/1/2014	7/1/2013	
	To 7/31/2013	8/31/2013	9/30/2013	10/31/2013	11/30/2013	12/31/2013	1/31/2014	2/28/2014	3/31/2014	4/30/2014	5/31/2014	6/30/2014	6/30/2014	
UTILITY METER Readings	Start	728,959	756,791	784,080	811,013	852,956	915,122	3,992,777	86,180	164,597	232,101	274,114	304,781	6/30/2014
	Ending	756,791	784,080	811,013	852,956	915,122	992,777	4,086,180	164,597	232,101	274,114	304,781	333,174	
UTILITY METER Multiplier		10	10	10	10	10	10	10	10	10	10	10	10	
HEAT FACTOR		1.011	1.011	1.030	1.051	1.048	1.045	1.039	1.035	1.043	1.046	1.051	1.050	
Service Period Use	CCF	278,320	272,890	269,330	419,430	621,660	776,550	934,030	784,170	675,040	420,130	306,670	283,930	6,042,150
	Dth	28,138.2	27,589.2	27,741.0	44,082.1	65,150.0	81,149.5	97,045.7	81,161.6	70,406.7	43,945.6	32,231.0	29,812.7	628,453.3
Service Period Charges														
CONSULTANTS	\$	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	\$8,057.42	96,689.04
NASHVILLE GAS	\$	\$ 13,875.41	\$ 13,713.51	\$ 13,758.27	\$ 18,577.12	\$ 24,789.86	\$ 29,507.97	\$ 183,274.61	\$ 35,408.41	\$ 31,455.48	\$ 21,729.78	\$ 17,376.75	\$ 16,490.33	419,957.50
ATMOS	\$	\$ 111,968.13	\$ 106,166.35	\$ 108,873.39	\$ 170,411.44	\$ 248,114.64	\$ 323,326.93	\$ 432,552.03	\$ 406,912.89	\$ 326,701.17	\$ 197,401.27	\$ 149,856.40	\$ 136,336.11	2,718,620.75
TOTAL	\$	\$ 133,900.96	\$127,937.28	\$ 130,689.08	\$ 197,045.98	\$ 280,961.92	\$ 360,892.32	\$ 623,884.06	\$ 450,378.72	\$ 366,214.07	\$ 227,188.47	\$ 175,290.57	\$ 160,883.86	\$ 3,235,267.29
Average Charge	\$/Dth	\$ 4.7587	\$ 4.6372	\$ 4.7110	\$ 4.4700	\$ 4.3125	\$ 4.4473	\$ 6.4288	\$ 5.5492	\$ 5.2014	\$ 5.1698	\$ 5.4386	\$ 5.3965	\$ 5.1480

WATER SERVICE (DOMESTIC AND PLANT)														
Service Dates	From 7/1/2013	8/1/2013	9/1/2013	10/1/2013	11/1/2013	12/1/2013	1/1/2014	2/1/2014	3/1/2014	4/1/2014	5/1/2014	6/1/2014	7/1/2013	
	To 7/31/2013	8/31/2013	9/30/2013	10/31/2013	11/30/2013	12/31/2013	1/31/2014	2/28/2014	3/31/2014	4/30/2014	5/31/2014	6/30/2014	6/30/2014	
UTILITY METER Readings	Start													
	Ending													
PLANT METER #1	Start													
	Ending													
PLANT METER #2	Start													
	Ending													
Service Period Use														
DOMESTIC	CCF	22	20	39	22	28	25	23	23	17	19	22	20	280
PLANT METER #1	CCF	21,103	22,052	25,808	16,904	13,082	7,223	9,917	9,401	8,709	9,871	13,870	20,191	178,131
PLANT METER #2	CCF													0
TOTAL	CCF	21,125	22,072	25,847	16,926	13,110	7,248	9,940	9,424	8,726	9,890	13,892	20,211	178,411
PLANT ONLY	CCF	21,103	22,052	25,808	16,904	13,082	7,223	9,917	9,401	8,709	9,871	13,870	20,191	178,131
	GALLONS	15,785,044	16,494,896	19,304,384	12,644,192	9,785,336	5,402,804	7,417,916	7,031,948	6,514,332	7,383,508	10,374,760	15,102,868	133,241,988
Service Period Charges														
DOMESTIC	WATER \$	\$ 75.43	\$ 71.15	\$ 111.81	\$ 75.43	\$ 88.27	\$ 81.85	\$ 77.57	\$ 77.57	\$ 64.73	\$ 69.01	\$ 75.43	\$ 71.15	\$ 939.40
	SEWER \$	\$ 152.13	\$ 143.49	\$ 225.57	\$ 152.13	\$ 178.05	\$ 165.09	\$ 156.45	\$ 156.45	\$ 117.51	\$ 139.17	\$ 152.13	\$ 143.49	\$ 1,881.66
PLANT	WATER \$	\$ 39,931.29	\$ 41,725.38	\$ 48,838.06	\$ 31,988.80	\$ 24,762.25	\$ 13,678.57	\$ 18,773.24	\$ 17,797.23	\$ 16,484.74	\$ 18,684.67	\$ 26,250.16	\$ 38,205.38	\$ 337,119.77
	SEWER \$	\$ 17,196.50	\$ 17,969.12	\$ 21,030.26	\$ 13,773.50	\$ 10,660.20	\$ 5,884.30	\$ 8,078.28	\$ 7,657.74	\$ 7,097.02	\$ 8,042.42	\$ 11,302.42	\$ 16,453.22	\$ 145,144.98
STATE FEE @ 10%		\$ 100.00	\$ 100.00	\$ 189.43	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 1,289.43
TOTAL		\$ 57,455.35	\$ 60,009.14	\$ 70,395.13	\$ 46,089.86	\$ 35,788.77	\$ 19,909.81	\$ 27,185.54	\$ 25,788.99	\$ 23,864.04	\$ 27,035.27	\$ 37,880.14	\$ 54,973.24	\$ 486,375.24
PLANT, WATER ONLY	\$	\$ 39,931.29	\$ 41,725.38	\$ 48,838.06	\$ 31,988.80	\$ 24,762.25	\$ 13,678.57	\$ 18,773.24	\$ 17,797.23	\$ 16,484.74	\$ 18,684.67	\$ 26,250.16	\$ 38,205.38	\$ 337,119.77
Average Charge	\$/kGall	\$ 2.5297	\$ 2.5296	\$ 2.5299	\$ 2.5299	\$ 2.5305	\$ 2.5318	\$ 2.5308	\$ 2.5309	\$ 2.5305	\$ 2.5306	\$ 2.5302	\$ 2.5297	\$ 2.5301

MONTHLY FEAS														
Service Dates	From 7/1/2013	8/1/2013	9/1/2013	10/1/2013	11/1/2013	12/1/2013	1/1/2014	2/1/2014	3/1/2014	4/1/2014	5/1/2014	6/1/2014	7/1/2013	
	To 7/31/2013	8/31/2013	9/30/2013	10/31/2013	11/30/2013	12/31/2013	1/31/2014	2/28/2014	3/31/2014	4/30/2014	5/31/2014	6/30/2014	6/30/2014	
STEAM	ELECTRIC	\$1,049.90	\$915.66	\$967.52	\$1,511.90	\$2,700.77	\$4,662.53	\$5,798.44	\$4,767.74	\$3,688.98	\$1,613.35	\$1,008.09	\$1,341.33	\$30,026.21
	FUEL GAS	\$6,955.63	\$6,109.64	\$5,292.81	\$7,603.47	\$10,793.68	\$14,052.76	\$28,492.70	\$16,365.38	\$14,156.91	\$8,294.44	\$7,928.12	\$7,522.58	\$133,558.12
	WATER	\$45.92	\$71.55	\$70.12	\$46.93	\$25.13	\$57.72	-\$117.05	\$28.02	\$41.79	\$39.34	\$60.76	\$39.03	\$409.26
CHW	ELECTRIC	\$42,151.15	\$44,238.82	\$39,684.25	\$20,242.41	\$13,646.82	\$16,499.92	\$12,941.48	\$13,558.20	\$15,243.63	\$16,743.99	\$21,859.51	\$33,783.84	\$290,593.62
	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	\$17,805.48	\$18,161.16	\$15,089.87	\$11,799.35	\$7,350.04	\$7,377.57	\$6,396.50	\$5,938.56	\$6,981.09	\$9,296.80	\$12,713.52	\$17,476.37	\$136,386.31
		\$ 68,008.08	\$ 69,496.83	\$ 61,104.57	\$ 41,204.06	\$ 34,516.44	\$ 42,650.50	\$ 53,512.07	\$ 40,657.90	\$ 40,112.40	\$ 35,977.52	\$ 43,570.00	\$ 60,163.15	\$ 590,973.52

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

CNE INVOICE RECONCILIATION - FY 2013 - 2014

		177 °F	174 °F	174 °F	167 °F	165 °F	166 °F	170 °F	168 °F	168 °F	169 °F	175 °F	184 °F	170 °F
Condensate Return Temp														
FT_4500: MUW, Stm.	Start Reading	97,610,400	97,935,600	98,283,680	98,691,640	99,306,630	100,463,450	101,855,520	103,884,550	105,035,290	106,163,530	106,780,610	107,455,620	108,000,920
	End Reading	97,935,600	98,283,680	98,691,640	99,306,630	100,463,450	101,855,520	103,884,550	105,035,290	106,163,530	106,780,610	107,455,620	108,000,920	
	Period Use in units = 1 x GALL	325,200	348,080	407,960	614,990	1,156,820	1,392,070	2,029,030	1,150,740	1,128,240	617,080	675,010	545,300	10,390,520
FT_4200: MUW, CW.	Start Reading	962,162,000	977,241,000	992,994,000	1,006,336,000	1,015,413,000	1,020,228,000	1,024,701,000	1,028,300,000	1,031,923,000	1,036,605,000	1,044,361,000	1,055,641,000	1,070,830,000
	End Reading	977,241,000	992,994,000	1,006,336,000	1,015,413,000	1,020,228,000	1,024,701,000	1,028,300,000	1,031,923,000	1,036,605,000	1,044,361,000	1,055,641,000	1,070,830,000	
	Period Use in units = 1 x GALL	15,079,000	15,753,000	13,342,000	9,077,000	4,815,000	4,473,000	3,599,000	3,623,000	4,682,000	7,756,000	11,280,000	15,189,000	108,668,000
FT_4100: MUW, CHW.	Start Reading	62,870,400	63,806,700	65,209,700	66,421,500	67,638,200	68,821,100	70,173,600	71,453,700	72,688,800	74,004,400	75,219,400	76,475,700	77,657,500
	End Reading	63,806,700	65,209,700	66,421,500	67,638,200	68,821,100	70,173,600	71,453,700	72,688,800	74,004,400	75,219,400	76,475,700	77,657,500	
	Period Use in units = 1 x GALL	936,300	1,403,000	1,211,800	1,216,700	1,182,900	1,352,500	1,280,100	1,235,100	1,315,600	1,235,000	1,256,300	1,181,800	14,787,100
2" PLANT WATER	Start Reading in 10 x scft	31,404,100	31,695,700	31,997,200	32,296,900	32,579,700	32,846,700	33,109,700	33,368,000	33,622,000	33,871,000	34,115,000	34,354,000	34,588,000
UTILITY METER	Start Reading in 10 x scft	31,695,700	31,997,200	32,296,900	32,579,700	32,846,700	33,109,700	33,368,000	33,622,000	33,871,000	34,115,000	34,354,000	34,588,000	
	Period Use in units = 1 x SCFT	291,600	301,500	299,700	282,800	271,800	307,600	281,300	194,100	241,700	266,800	313,900		3,119,800
6" PLANT WATER	Start Reading	136,390,500	138,292,500	140,338,500	142,052,000	143,241,000	143,957,000	144,637,000	145,287,000	145,840,000	146,318,500	146,740,000	147,110,000	147,429,000
UTILITY METER	End Reading	138,292,500	140,338,500	142,052,000	143,241,000	143,957,000	144,637,000	145,287,000	145,840,000	146,318,500	146,740,000	147,110,000	147,429,000	
	Period Use in units = 1 x SCFT	1,902,000	2,046,000	1,713,500	1,189,000	716,000	680,000	650,000	553,000	467,500	421,500	369,000	319,000	14,759,500
2" DOMESTIC WATER	Start Reading	1,926,000.0	1,948,000.0	1,981,000.0	2,008,000.0	2,035,000.0	2,060,000.0	2,083,000.0	2,107,000.0	2,126,000.0	2,145,000.0	2,166,000.0	2,185,000.0	2,212,000.0
UTILITY METER	End Reading	1,948,000.0	1,981,000.0	2,008,000.0	2,035,000.0	2,060,000.0	2,083,000.0	2,107,000.0	2,126,000.0	2,145,000.0	2,166,000.0	2,185,000.0	2,212,000.0	
	Period Use in units = 1 x SCFT	22,000	33,000	27,000	27,000	25,000	23,000	24,000	19,000	19,000	21,000	19,000	27,000	286,000

PERFORMANCE CALCULATIONS

Month	7	8	9	10	11	12	13	14	15	16	17	18	TOTAL
ELECTRIC-to-STEAM CONVERSION													
Emainutility kWh	7,226,986	7,360,046	6,134,690	4,533,314	2,738,163	2,761,480	2,413,808	2,279,395	2,722,841	3,824,365	5,323,567	7,515,931	54,834,586
Echw, metered kWh	7,035,044	7,171,604	5,954,495	4,393,161	2,516,311	2,483,304	2,109,190	2,006,045	2,455,945	3,610,744	5,111,526	7,320,611	52,167,981
Esteam, metered kWh	54,030	53,566	51,370	76,876	111,218	130,152	166,532	133,261	123,169	82,308	56,847	50,470	1,089,799
Esteam, unmetered kWh	1,031	982	1,079	1,073	4,494	6,977	9,527	8,190	6,502	2,826	1,657	973	45,311
CAPACITY TEST ADJUSTMENT, kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Esteam, total kWh	55,061	54,548	52,449	77,949	115,712	137,129	176,059	141,451	129,671	85,134	58,504	51,443	1,135,110
Customer Steam, S+n lbs	15,727,916	14,917,737	14,613,218	27,081,293	43,237,219	55,520,272	73,196,015	55,770,851	47,348,983	27,620,475	18,380,770	16,668,861	410,083,610
nelec, actual kWh/klb	3.501	3.657	3.589	2.878	2.676	2.470	2.405	2.536	2.739	3.082	3.183	3.086	2.768
FUEL GAS-to-STEAM CONVERSION													
Metered Plant Steam Send-out lbs	21,558,000	20,750,000	20,242,000	31,946,000	46,929,000	58,736,000	75,232,000	58,553,000	51,113,000	31,733,000	23,898,000	22,395,000	463,085,000
CAPACITY TEST ADJUSTMENT, lbs	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED Plant Steam SO lbs	21,558,000	20,750,000	20,242,000	31,946,000	46,929,000	58,736,000	75,232,000	58,553,000	51,113,000	31,733,000	23,898,000	22,395,000	463,085,000
Natural Gas use, NG Dth	28,138.2	27,589.2	27,741.0	44,082.1	65,150.0	81,149.5	97,045.7	81,161.6	70,406.7	43,945.6	32,231.0	29,812.7	628,453.3
Propane Gas use, P scft	0	0	0	0	0	0	0	0	0	0	0	0	0
Dth	8	0	0	0	33	25	7,847	40	0	0	0	0	7,952.79
CAPACITY TEST ADJUSTMENT, Dth	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTAL FUEL GAS USE Dth	28,146.4	27,589.2	27,741.0	44,082.1	65,182.8	81,174.1	104,892.6	81,202.0	70,406.7	43,945.6	32,231.0	29,812.7	636,406.1
nhhv, actual Dth/klb	1.306	1.330	1.370	1.380	1.389	1.382	1.394	1.387	1.377	1.385	1.349	1.331	1.3740
Condensate Return, CR gallon	2,294,500	2,140,100	2,027,200	3,312,300	4,703,500	5,899,800	7,482,500	6,130,100	5,218,700	3,294,800	2,253,800	2,213,300	46,970,600
% of SO	86.81%	84.12%	81.68%	84.56%	81.74%	81.92%	81.12%	85.39%	83.27%	84.68%	76.92%	80.60%	82.72%
Condensate Return Energy mmBtu	2,718	2,475	2,348	3,648	5,086	6,470	8,425	6,775	5,769	3,675	2,630	2,736	52,755
Condensate Return Temperature avg	177 °F	174 °F	174 °F	167 °F	165 °F	166 °F	170 °F	168 °F	168 °F	169 °F	175 °F	184 °F	170 °F
nhhw, guarantee Dth/klb													GUARANTEED MAX RATE 1.675
													CES FEA RATE 1.589

WATER-to-STEAM CONVERSION													
Metered Steam Makeup, MW Gallons	325,200	348,080	407,960	614,990	1,156,820	1,392,070	2,029,030	1,150,740	1,128,240	617,080	675,010	545,300	10,390,520
CAPACITY TEST ADJUSTMENT, Gallons	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJUSTED Steam Makeup, MW Gallons	325,200	348,080	407,960	614,990	1,156,820	1,392,070	2,029,030	1,150,740	1,128,240	617,080	675,010	545,300	10,390,520
Actual Steam Makeup, nwater Gallons	328,452	351,561	412,040	621,140	1,168,388	1,405,991	2,049,320	1,162,247	1,139,522	623,251	681,760	550,753	10,494,425
Guarantee Steam Makeup, nwater Gallons	401,069	464,699	522,904	695,340	1,208,109	1,497,187	2,003,069	1,206,539	1,205,586	685,431	777,822	612,469	11,280,223

ELECTRICITY-to-CHW CONVERSION													
Emainutility kWh	7,226,986	7,360,046	6,134,690	4,533,314	2,738,163	2,761,480	2,413,808	2,279,395	2,722,841	3,824,365	5,323,567	7,515,931	54,834,586
CAPACITY TEST ADJUSTMENT, kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Echw, metered kWh	7,035,044	7,171,604	5,954,495	4,393,161	2,516,311	2,483,304	2,109,190	2,006,045	2,455,945	3,610,744	5,111,526	7,320,611	52,167,981
Esteam, total kWh	55,061	54,548	52,449	77,949	115,712	137,129	176,059	141,451	129,671	85,134	58,504	51,443	1,135,110
Echw, unmetered kWh	136,882	133,894	127,746	62,204	106,140	141,047	128,559	131,899	137,225	128,487	153,537	143,877	1,531,495
Echw, total kWh	7,171,925	7,305,498	6,082,241	4,455,365	2,622,451	2,624,351	2,237,749	2,137,944	2,593,170	3,739,231	5,265,063	7,464,488	53,699,476
Customer CHW, CHWs+e Ton-hrs	8,234,658	8,471,341	7,085,966	5,281,948	3,129,934	3,072,180	2,611,013	2,477,743	2,993,791	4,276,780	5,976,462	8,156,405	61,768,221
nelec, actual kWh/ton-hr	0.871	0.862	0.858	0.844	0.838	0.854	0.857	0.863	0.866	0.874	0.881	0.915	0.869

CHW-to-CHW CONVERSION													
Condenser Water Makeup, CM Gallons	15,079,000	15,753,000	13,342,000	9,077,000	4,815,000	4,473,000	3,599,000	3,623,000	4,682,000	7,756,000	11,280,000	15,189,000	108,668,000
Customer CHW, CHWs+e Ton-hrs	8,234,658	8,471,341	7,085,966	5,281,948	3,129,934	3,072,180	2,611,013	2,477,743	2,993,791	4,276,780	5,976,462	8,156,405	61,768,221
nwater, actual Gallons/ton-hr	1.8312	1.8596	1.8829	1.7185	1.5384	1.4560	1.3784	1.4622	1.5639	1.8135	1.8874	1.8622	1.7593

METER CHECKS AND ESTIMATES

CNE INVOICE RECONCILIATION - FY 2013 - 2014

		7	8	9	10	11	12	1	2	3	4	5	6	TOTAL
WATER METER CHECKS														
Utility Meters - Utility Dates	gallons	15,785,044	16,494,896	19,304,384	12,644,192	9,785,336	5,402,804	7,417,916	7,031,948	6,514,332	7,383,508	10,374,760	15,102,868	133,241,988
Utility Meters - Customer Dates	gallons	16,408,128	17,559,300	15,058,736	11,009,064	5,856,840	7,119,464	7,162,848	6,240,564	7,275,048	9,703,056	13,335,344	17,008,772	133,737,164
variance (line 184-line 183)	gallons	623,084	1,064,404	-4,245,648	-1,635,128	-3,928,496	1,716,660	-255,068	-791,384	760,716	2,319,548	2,960,584	1,905,904	495,176
	% of TOTAL (line 183)	4%	6%	-22%	-13%	-40%	32%	-3%	-11%	12%	31%	29%	13%	0.37%
Plant Meters														
CHW	gallons	936,300	1,403,000	1,211,800	1,216,700	1,182,900	1,352,500	1,280,100	1,235,100	1,315,600	1,215,000	1,256,300	1,181,800	14,787,100
CW	gallons	15,079,000	15,753,000	13,342,000	9,077,000	4,815,000	4,473,000	3,599,000	3,623,000	4,682,000	7,756,000	11,280,000	15,189,000	108,668,000
STEAM	gallons	325,200	348,080	407,960	614,990	1,156,820	1,392,070	2,029,030	1,150,740	1,128,240	617,080	675,010	545,300	10,390,520
TOTAL	gallons	16,340,500	17,504,080	14,961,760	10,908,690	7,154,720	7,217,570	6,908,130	6,008,840	7,125,840	9,588,080	13,211,310	16,916,100	133,845,620
variance (line 191-line 184)	gallons	-67,628	-55,220	-96,976	-100,374	1,297,880	98,106	-254,718	-231,724	-149,208	-114,976	-124,034	-92,672	108,456
	% of TOTAL (line 184)	0%	0%	-1%	-1%	22%	1%	-4%	-4%	-2%	-1%	-1%	-1%	0.08%
CW MUW CHECK														
CHW Send-out	ton-hrs	8,884,500	8,985,900	7,586,500	5,632,400	3,329,200	3,302,400	2,817,400	2,689,500	3,257,300	4,677,500	6,353,900	8,751,700	66,268,200
CW MUW Rate	gall/ton-hr	1.697	1.753	1.759	1.612	1.446	1.354	1.277	1.347	1.437	1.658	1.775	1.736	1.640
FINAL MAKEUP WATER RESULTS														
CHW	gallons	936,300	1,403,000	1,211,800	1,216,700	1,182,900	1,352,500	1,280,100	1,235,100	1,315,600	1,215,000	1,256,300	1,181,800	14,787,100
CW	gallons	15,079,000	15,753,000	13,342,000	9,077,000	4,815,000	4,473,000	3,599,000	3,623,000	4,682,000	7,756,000	11,280,000	15,189,000	108,668,000
STEAM	gallons	325,200	348,080	407,960	614,990	1,156,820	1,392,070	2,029,030	1,150,740	1,128,240	617,080	675,010	545,300	10,390,520
TOTAL	gallons	16,340,500	17,504,080	14,961,760	10,908,690	7,154,720	7,217,570	6,908,130	6,008,840	7,125,840	9,588,080	13,211,310	16,916,100	133,845,620
variance	gallons	-67,628	-55,220	-96,976	-100,374	1,297,880	98,106	-254,718	-231,724	-149,208	-114,976	-124,034	-92,672	108,456
	% of TOTAL (line 184)	0%	0%	-1%	-1%	13%	2%	-3%	0%	0%	-2%	-1%	-1%	0%
STEAM PLANT MASS BALANCE CK														
STEAM SENDOUT	klbs	21,558	20,750	20,242	31,946	46,929	58,736	75,232	58,553	51,113	31,733	23,898	22,395	463,085
STEAM PRODUCTION	klbs	28,163	27,598	27,639	43,959	64,792	80,901	97,046	81,162	70,407	43,946	32,231	29,813	627,657
		-6,605	-6,848	-7,397	-12,013	-17,863	-22,165	-21,814	-22,609	-19,294	-12,213	-8,333	-7,418	
CALC'D LOSSES														
BLOWDOWN 4%	klbs	1,127	1,104	1,106	1,758	2,592	3,236	3,882	3,246	2,816	1,758	1,289	1,193	25,106
DEA VENT 0.50%	klbs	141	138	138	220	324	405	485	406	352	220	161	149	3,138
TOTAL CALC'D LOSSES	klbs	1,267	1,242	1,244	1,978	2,916	3,641	4,367	3,652	3,168	1,978	1,450	1,342	28,245
CONDENSATE RETURN														
CONDENSATE RETURN	gallons	2,294,500	2,140,100	2,027,200	3,312,300	4,703,500	5,899,800	7,482,500	6,130,100	5,218,700	3,294,800	2,253,800	2,213,300	46,970,600
	8.15585 klbs	18,714	17,454	16,534	27,015	38,361	48,118	61,026	49,996	42,563	26,872	18,382	18,051	383,085
STEAM MUW	8.3453 klbs	2,714	2,905	3,405	5,132	9,654	11,617	16,933	9,603	9,416	5,150	5,633	4,551	86,712
TOTAL LEAVING PLANT														
TOTAL LEAVING PLANT	klbs	22,825	21,992	21,486	33,924	49,845	62,377	79,599	62,205	54,281	33,711	25,348	23,737	491,330
TOTAL ENTERING PLANT	klbs	21,427	20,359	19,938	32,147	48,015	59,735	77,959	59,599	51,978	32,022	24,015	22,602	469,797
OVERAGE / SHORTFALL	klbs	-1,398	-1,633	-1,548	-1,777	-1,830	-2,641	-1,640	-2,606	-2,303	-1,689	-1,334	-1,135	-21,532
		-6.1%	-7.4%	-7.2%	-5.2%	-3.7%	-4.2%	-2.1%	-4.2%	-4.2%	-5.0%	-5.3%	-4.8%	-4.38%
FINAL CONDENSATE RETURN CALCULATIONS														
RECALC'D TOTAL ENTERING	klbs	23,510	22,652	22,130	34,942	51,340	64,248	81,987	64,071	55,910	34,722	26,109	24,449	
RECALC'D COND. RETURN	klbs	20,796	19,747	18,726	29,810	41,686	52,631	65,054	54,468	46,494	29,572	20,476	19,898	
	gallons	2,549,851	2,421,187	2,295,994	3,654,997	5,111,174	6,453,110	7,976,382	6,678,418	5,700,724	3,625,884	2,510,552	2,439,720	



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		54,834,586 kWh
(2)	E (Steam,metered) = metered electric use for steam plant		1,089,799 kWh
	MCC-3	492,171	
	MCC-4	597,628	
(3)	E (CHW,metered) = metered electric use for chilled water plant		52,167,981 kWh
	SWGR-2A	4,961,750	
	SWGR-2B	15,804,830	
	SWGR-3A	8,969,750	
	SWGR-3B	10,836,310	
	SWGR-4A	1,623,212	
	SWGR-4B	3,173,155	
	SWGR-5A	2,008,379	
	SWGR-5B	1,635,400	
	MCC-1	1,763,346	
	MCC-2	1,391,849	
(4)	Esteam,unmetered = un-metered electric use for steam plant = [(2) / (1)] x [(1) - (2) - (3)]		31,338 kWh *
(5)	Echw,unmetered = un-metered electric use for chilled water plant = (1) - (2) - (3) - (4)		1,545,468 kWh *
(6)	Esteam,total = total electric use for steam plant = (2) + (4)		1,121,137 kWh *
(7)	Customer Steam Sales, metered + unmetered		410,083,610 lbs

n (elec): Actual Steam Plant Electric Conversion = (6) / [(7) x 0.001] = 2.734 kWh/klb

NATURAL GAS-TO-STEAM CONVERSION

(8)	NG = Total Natural Gas Use per main utility meters		628,453.3 Dth
(9)	P = Total Propane Gas per plant meter		0 scft
	Meter Reading at the beginning, n-1	12,095	
	Meter Reading at the end, n	12,095	
	Units of Measure	1,000 x SCFT	
(10)	HHV = Higher Heating Value of Propane		0.002520 Btu/scft
(11)	SO = Plant Steam Send Out		385,059,000 lbs
	Meter Reading at the beginning, n-1	3,429,139	
	Meter Reading at the end, n	3,814,198	
	Units of Measure	1 x SCFT	

n (HHV): Actual Plant Efficiency = [(8) + (9) x (10)] / [(11) x 0.001] = 1.632 Dth/klb

(12)	CR = Condensate Return per plant meter		46,970,600 gallons **
	Meter Reading at the beginning, n-1	170,113,200	
	Meter Reading at the end, n	209,321,900	
	Units of Measure	1 x SCFT	
(13)	H = Condensate Return energy		52,755 mmBtu
	Meter Reading at the beginning, n-1	5,443	
	Meter Reading at the end, n	58,198	
	Units of Measure	1 x MMBTU	

T (cr,avg): Average Condensate Return Temperature = 170 °F



NASHVILLE, TENNESSEE

EXHIBIT 1 - CALCULATION DETAIL FOR PLANT PERFORMANCE PER APPENDIX 19

WATER-TO-STEAM CONVERSION

(14)	MW = Steam system makeup water plant meter		10,390,520 gallons
	<i>Meter Reading at the beginning, n-1</i>	97,610,400	
	<i>Meter Reading at the end, n</i>	108,000,920	
	<i>Units of Measure</i>	1 x SCFT	

n (water): Actual steam plant water use = (14) * 1.01 = 10,494,425 gallons

G (water): Guaranteed steam plant water use = [(11) / 8.15585 - (12) = 278,316 gallons

ELECTRICITY-TO-CHILLED WATER CONVERSION

(15)	E (chw,total) = Total CHW Electric use = (3) + (5) =	53,713,449 kWh *
(16)	Customer CHW Sales, metered + unmetered	61,768,221 kWh

n (elec): Actual chilled water plant electric conversion = (15) / (16) = 0.870 kw/ton

CONDENSER WATER-TO-CHILLED WATER CONVERSION

(17)	CM = Condenser water makeup plant meter		74,443,000 gallons **
	<i>Meter Reading at the beginning, n-1</i>	962,162,000	
	<i>Meter Reading at the end, n</i>	1,036,605,000	
	<i>Units of Measure</i>	1 x GALL	

n (water): Actual chilled water plant conversion = (17) / (16) = 1.205 gal/ton-hr

NOTES: * - There is a 13,973 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".