

**Molly M. Jagannathan**

Molly.jagannathan@troutman.com

September 11, 2020

**VIA ELECTRONIC FILING**

Ms. Kimberley A. Campbell, Chief Clerk  
North Carolina Utilities Commission  
4325 Mail Service Center  
Raleigh, North Carolina 27699-4300

RE: Duke Energy Carolinas, LLC  
Late-Filed Exhibit No. 5  
Docket No. E-7, Sub 1214  
Docket No. E-7, Sub 1213  
Docket No. E-7, Sub 1187

Dear Ms. Campbell:

Per the Commission's request during the evidentiary hearing on September 8, 2020, I enclose a late-filed exhibit on behalf of Duke Energy Carolinas, LLC (the "Company") for filing in connection with the above-referenced dockets. Late-Filed Exhibit No. 5 provides a response to the Commission's request to provide a more detailed accounting of the cost of removal balances provided in Revised Speros Exhibit 4.

The Company has updated the table shown in Revised Speros Exhibit 4 to cover the period January 1, 2017 – January 31, 2020. Additionally, the Company has provided a detail of projects which have been unitized to the Steam Cost of Removal ("COR") reserve in the period as well as a detail of the projects with charges that have been incurred and were recorded within Retirement Work in Process ("RWIP") as of January 31, 2020. The RWIP projects will net against the Steam COR reserve when unitized.

Company witness David Doss will be available to answer any further questions concerning this topic as necessary.

Please do not hesitate to contact me should you have any questions. Thank you for your assistance in this matter.

Sincerely,

/s/ Molly McIntosh Jagannathan

Molly McIntosh Jagannathan

Enclosure

cc: Parties of Record

Duke Energy Carolinas, LLC (“DEC” or the “Company”) presents this Late-Filed Exhibit 5 in response to the Commission’s request during the evidentiary hearing for a more detailed accounting of the cost of removal (“COR”) reserve information provided in Revised Speros Exhibit 4. The Company has updated the table shown in Revised Speros Exhibit 4 to cover the period January 1, 2017 – January 31, 2020. Additionally, the Company has provided a detail of the projects which have been unitized to the Steam COR reserve in the period as well as a detail of the projects with charges that have been incurred and were recorded within Retirement Work in Process (“RWIP”) as of January 31, 2020. The RWIP projects will net against the Steam COR reserve when unitized.

Duke Energy Carolinas  
Detail of Steam Cost of Removal (COR) Reserve Activity  
January 1, 2017 - January 31, 2020  
Amounts in \$

	Beginning Balance December 31, 2016 (excluding RWIP)	COR Expense Accrued (1)	Cost of Removal Unitized (2)	Other (3)	Ending Balance January 31, 2020 (excluding RWIP)	RWIP as of January 31, 2020 (4)	Ending Balance January 31, 2020 (including RWIP)
Steam Production Plant	308,076,978	66,215,905	(94,717,945)	(344,182)	279,230,756	(151,132,991)	128,097,765

(1) Represents amounts added to the reserve through the application of depreciation rates.

(2) Represents amounts related to completed retirement projects that have been unitized against the COR reserve during the period. See Tab 2 (pages 2-16 of the Exhibit) for list of projects.

(3) Activity primarily relates to transfer activity. If an asset is transferred to another entity or if an asset is transferred to another function, the COR accrued related to the asset will also transfer.

(4) Amount includes cost of removal projects that are in Retirement Work in Process (RWIP) as of January 31, 2020. Upon unitization, RWIP will net against the COR reserve. Tab 3 (pages 17-37 of Exhibit) contains a detailed list of RWIP projects as of January 31, 2020.

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CCS000010	Cliffside Retire Units 1-4	Elec - Steam Production Plant	Retire Units 1-4	DEC Prod. - Fos - Cliffsid 1-4 - NC	15,745,115.20
DE Carolinas	CLS001292	Decommissioning Lee U1 & U2	Elec - Steam Production Plant	Decommissioning Lee Units 1 & 2	DEC Prod. - Fos - Lee - SC	10,867,299.16
DE Carolinas	RBC000011	BC Syn Cap on Str Landfill-REM	Elec - Steam Production Plant	BC Syn Cap on Str Landfill-REM	DEC Prod. - Fos - Belews Crk - NC	7,392,280.65
DE Carolinas	CBC021296	BC02 Secondary SH Replacement	Elec - Steam Production Plant	BC02 Secondary SH Replacement	DEC Prod. - Fos - Belews Crk - NC	5,601,089.59
DE Carolinas	MS021223C	Waterwalls Front and Rear	Elec - Steam Production Plant	Waterwalls Front and Rear	DEC Prod. - Fos - Marshall - NC	3,345,963.95
DE Carolinas	CMS041394	Marshall U4 Stator Rewind	Elec - Steam Production Plant	Marshall U4 Stator Rewind	DEC Prod. - Fos - Marshall - NC	3,091,672.52
DE Carolinas	CMS030046	Marshall U3 Stack Demolition	Elec - Steam Production Plant	Marshall U3 Stack Demolition	DEC Prod. - Fos - Marshall - NC	2,529,178.79
DE Carolinas	CBC000444	CCP Lined Retention Basin	Elec - Steam Production Plant	Construct a new Lined Retention Basin to treat all storm water and process water flows at Belews Creek. CCR rule requires the inflows to the ash basin be redirected to a new treatment basin.	DEC Prod. - Fos - Belews Crk - NC	2,128,240.07
DE Carolinas	CMS041387	MATS Compliance - Fast acting dampe	Elec - Steam Production Plant	INSTALL MATS Compliance - Fast acting dampers on U4 Old Stack	DEC Prod. - Fos - Marshall - NC	1,801,453.11
DE Carolinas	ALS001247	Lee Asbestos Abatement	Elec - Steam Production Plant	Lee Asbestos Abatement RWIP Only	DEC Prod. - Fos - Lee - SC	1,649,303.00
DE Carolinas	CRBTUNNLS	Tunnels at Riverbend	Elec - Steam Production Plant	This work is related to a Transmission Dept project to relocate the 100kv/44kv switchyard to the a new location in the former coal yard. The Demo scope was to remove sub-surface coal handling structures to 2 feet below final grade. The Transmission proje	DEC Prod. - Fos - Riverbend - NC	1,510,007.61
DE Carolinas	CMS020114	Replace Plates in Precip	Elec - Steam Production Plant	Replace plates and electrodes in both A and B precipitator boxes on Marshall unit 2.	DEC Prod. - Fos - Marshall - NC	1,461,184.98
DE Carolinas	AMS001267	Asbestos Abatement	Elec - Steam Production Plant	REMOVE-Asbestos Abatement - Blanket RWIP Only	DEC Prod. - Fos - Marshall - NC	1,074,812.06
DE Carolinas	CAS051267	AS5 Waterwall Pan Repl & Overlay	Elec - Steam Production Plant	Fuel switching at Allen is expected to increase the rate of waterwall corrosion on both the Reheat and Superheat Furnace on Unit 5. This project will replace identified sections of waterwall tubes in each furnace and apply thermal metal spray.	DEC Prod. - Fos - Allen - NC	1,013,392.99
DE Carolinas	CBC001537	5A2/5B2 Conveyor Floor	Elec - Steam Production Plant	5A2/5B2 Conveyor Floor	DEC Prod. - Fos - Belews Crk - NC	924,221.71
DE Carolinas	CBC020249	BC2 DFIP Blades and Diaphragms	Elec - Steam Production Plant	BC2 DFIP Blades and Diaphragms	DEC Prod. - Fos - Belews Crk - NC	861,712.89
DE Carolinas	CBC010298	U1 Four ID Fan Rotor Replacements	Elec - Steam Production Plant	U1 Four ID Fan Rotor Replacement	DEC Prod. - Fos - Belews Crk - NC	852,651.98
DE Carolinas	CBC020085	BC02 LP Gen Stator Rewind	Elec - Steam Production Plant	BC02 LP Gen Stator Rewind	DEC Prod. - Fos - Belews Crk - NC	808,941.32
DE Carolinas	CBC010218	DFIP rotor and Diaphragms	Elec - Steam Production Plant	DFIP Rotor and Diaphragms	DEC Prod. - Fos - Belews Crk - NC	800,796.47
DE Carolinas	CBC020240	Replace U2 APH Baskets	Elec - Steam Production Plant	Replace U2 APH Baskets	DEC Prod. - Fos - Belews Crk - NC	743,696.89
DE Carolinas	CAS051226	AS5 LP Stator Rewind	Elec - Steam Production Plant	AS5 LP Stator Rewind	DEC Prod. - Fos - Allen - NC	718,022.20

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS041264	Waterwall Tube Replacement	Elec - Steam Production Plant	Fuel switching at Allen is expected to increase the rate of waterwall corrosion on both the Reheat and Superheat Furnace on Unit 4. A NDE assessment was performed in late 2012 and showed there were tube walls in the range of .105" wall thickness. The station recently completed a NDE assessment of both furnaces in the Spring 2015. This assessment showed there were tube walls in the range of .90" wall thickness. In order to prevent future waterwall tube leaks the identified areas less than 0.100" will need to be replaced.	DEC Prod. - Fos - Allen - NC	707,456.77
DE Carolinas	CBC020207	U2 Four ID Fan Rotor Replacement	Elec - Steam Production Plant	U2 Four ID Fan Rotor Replacement	DEC Prod. - Fos - Belews Crk - NC	695,777.35
DE Carolinas	CAS051224	AS5 HP Stator Rewind	Elec - Steam Production Plant	AS5 HP Stator Rewind	DEC Prod. - Fos - Allen - NC	686,149.24
DE Carolinas	CBCWAREHS	Replace Existing Warehouse	Elec - Steam Production Plant	Replace Existing Warehouse due to BC Dry Bottom Ash Conversion	DEC Prod. - Fos - Belews Crk - NC	670,807.44
DE Carolinas	LS001282C	Lee Gas Conversion	Elec - Steam Production Plant	Lee Gas Conversion	DEC Prod. - Fos - Lee - SC	668,115.94
DE Carolinas	CMS031308	MS 3 Igninter Replacement	Elec - Steam Production Plant	MS 3 Igninter Replacement	DEC Prod. - Fos - Marshall - NC	640,177.32
DE Carolinas	CCS060086	CS06 - Baghouse Bag Rep (2017)	Elec - Steam Production Plant	This project is to replace the 21,504 bags that are in the Unit 6 A and B Baghouse	DEC Prod. - Fos - Cliffsid 6 - NC	636,974.95
DE Carolinas	AAS001313	Asbestos Abatement	Elec - Steam Production Plant	Activity A is used for Asbestos Abatement starting year 2008. RWIP Only	DEC Prod. - Fos - Allen - NC	631,359.34
DE Carolinas	CBC001226	BC00 Misc Capital Valves-CAP	Elec - Steam Production Plant	BC00 Misc Capital Valves-CAP	DEC Prod. - Fos - Belews Crk - NC	606,599.26
DE Carolinas	CBC010064	BC01 LP Generator Stator Rewind	Elec - Steam Production Plant	BC01 LP Generator Stator Rewind	DEC Prod. - Fos - Belews Crk - NC	598,604.69
DE Carolinas	CMS020048	Marshall Unit 2 HP-IP Rotor Replace	Elec - Steam Production Plant	MS02 HP-IP Rotor Replace	DEC Prod. - Fos - Marshall - NC	575,730.34
DE Carolinas	CMS000269	MS Fuel Oil Delivery Sys Rplmt	Elec - Steam Production Plant	MS Fuel Oil Delivery Sys Rplmt	DEC Prod. - Fos - Marshall - NC	558,352.37
DE Carolinas	CAS041237	AS4 RH Inlet Outlet Pendants	Elec - Steam Production Plant	AS4 RH Inlet Outlet Pendants	DEC Prod. - Fos - Allen - NC	555,816.10
DE Carolinas	CMS020036	Replace Marshall 2 LP rotor	Elec - Steam Production Plant	MS02 LP Rotors	DEC Prod. - Fos - Marshall - NC	530,676.02
DE Carolinas	CCS051492	CS Unit 5 Dry Flyash Conversion	Elec - Steam Production Plant	CS Unit 5 Dry Flyash Conversion	DEC Prod. - Fos - Cliffsid 5 - NC	498,077.00
DE Carolinas	CMS021335	MS2 Condenser Retube Replacement	Elec - Steam Production Plant	MS2 Condenser Retube Replacement	DEC Prod. - Fos - Marshall - NC	482,169.00
DE Carolinas	CCS051465	U5 HP Turbine Flow Path Rev	Elec - Steam Production Plant		DEC Prod. - Fos - Cliffsid 5 - NC	474,042.69
DE Carolinas	CMS000585	HCAD Tripper Room Mitigation Phase	Elec - Steam Production Plant		DEC Prod. - Fos - Marshall - NC	468,625.87
DE Carolinas	CBC000232	Reclaim Feeder Duel Unit Outage	Elec - Steam Production Plant	Reclaim Feeder Duel Unit Outage	DEC Prod. - Fos - Belews Crk - NC	453,759.27
DE Carolinas	CAS079	AS5 RH Inlet /Outlet Pendants	Elec - Steam Production Plant	AS5 RH Inlet /Outlet Pendants	DEC Prod. - Fos - Allen - NC	442,893.50
DE Carolinas	CCS061278	U6 Absorber Spray Header Repl	Elec - Steam Production Plant	U6 Absorber Spray Header Replacement	DEC Prod. - Fos - Cliffsid 6 - NC	414,444.71
DE Carolinas	CBC000546	Coal Stacker Structural Replacement	Elec - Steam Production Plant	Coal Stacker Structural Replacement	DEC Prod. - Fos - Belews Crk - NC	412,412.51
DE Carolinas	CAS040041	Allen U4 LP Gen. Field Rewind	Elec - Steam Production Plant	Allen U4 LP Gen. Field Rewind	DEC Prod. - Fos - Allen - NC	392,634.12
DE Carolinas	CMS031413	MS3 SFIP Turbine Row Replacement	Elec - Steam Production Plant	MS3 SFIP Turb Row Repl	DEC Prod. - Fos - Marshall - NC	388,438.96
DE Carolinas	CMS031305	U3 SCR Catalyst 2nd Layer Replace	Elec - Steam Production Plant	U3 SCR Catalyst 2nd Layer Replc	DEC Prod. - Fos - Marshall - NC	375,440.24

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	ACS051348	CS5 Asbestos abatement 2009-19	Elec - Steam Production Plant	CS5 Asbestos abatement 2009-19	DEC Prod. - Fos - Cliffsid 5 - NC	372,406.63
DE Carolinas	CAS040010	AS04- Sootblower Project	Elec - Steam Production Plant	AS04- Sootblower Project	DEC Prod. - Fos - Allen - NC	363,875.09
DE Carolinas	CBC001451	Bottom Dump Unloading	Elec - Steam Production Plant	Bottom Dump Unloading	DEC Prod. - Fos - Belews Crk - NC	359,965.11
DE Carolinas	CBC000370	BC Dry Bottom Ash Conversion	Elec - Steam Production Plant	BC Dry Bottom Ash Conversion	DEC Prod. - Fos - Belews Crk - NC	346,344.74
DE Carolinas	CAS040066	Unit 4 HP Generator Field Rewind	Elec - Steam Production Plant	Unit 4 HP Generator Field Rewind	DEC Prod. - Fos - Allen - NC	342,806.41
DE Carolinas	MS021240C	MS 2 F&G Feedwater Heater Repl	Elec - Steam Production Plant	MS 2 F&G Feedwater Heater Repl	DEC Prod. - Fos - Marshall - NC	339,844.15
DE Carolinas	CBCCM0007	Dual Unit Outage Service Water Repl	Elec - Steam Production Plant	Dual unit Outage Service Water Repl	DEC Prod. - Fos - Belews Crk - NC	333,726.04
DE Carolinas	CBC000455	Coal Handling Control Room Upgrade	Elec - Steam Production Plant	Coal Handling Control Room Upgrade	DEC Prod. - Fos - Belews Crk - NC	311,932.04
DE Carolinas	CCS051490	U5 Absorber Spray Header	Elec - Steam Production Plant	U5 Absorber Spray Header	DEC Prod. - Fos - Cliffsid 5 - NC	310,847.42
DE Carolinas	CMS010073	Replace Marshall 1 LP Rotor	Elec - Steam Production Plant	MS01 LP Rotor	DEC Prod. - Fos - Marshall - NC	307,278.92
DE Carolinas	CAS078	AS5 Boiler SH Inlet Pendants	Elec - Steam Production Plant	201 Project TAS078; UT Project CAS078 is PROMET Project and Study AS050001. AS5 Boiler SH Inlet Pendants	DEC Prod. - Fos - Allen - NC	301,203.26
DE Carolinas	CMS001370	Coal Dust Mitigation	Elec - Steam Production Plant	INSTALL Coal Dust Mitigation	DEC Prod. - Fos - Marshall - NC	296,543.95
DE Carolinas	CCS060054	U6 Turbine, AVR, BFPT 6A/B Controls	Elec - Steam Production Plant	U6 Turbine, AVR, BFPT 6A/B Controls Cindy Smathers no longer supports Cliffside - Brett James Wood is the financial contact.	DEC Prod. - Fos - Cliffsid 6 - NC	287,928.03
DE Carolinas	CAS051260	Replace AS5 IP Diaphragms	Elec - Steam Production Plant	Replace AS5 IP Diaphragms	DEC Prod. - Fos - Allen - NC	253,296.94
DE Carolinas	MS041235C	Unit 4 - PPIP - Capital	Elec - Steam Production Plant	Unit 4 - PPIP - Capital	DEC Prod. - Fos - Marshall - NC	249,502.56
DE Carolinas	CBC020220	Replace 2-BU-201 & -201A (2018)	Elec - Steam Production Plant	Replace 2-BU-201 & -201A (2018)	DEC Prod. - Fos - Belews Crk - NC	240,237.90
DE Carolinas	CBC001472	CH Electrical Upgrades	Elec - Steam Production Plant	CH Electrical Upgrades	DEC Prod. - Fos - Belews Crk - NC	231,455.25
DE Carolinas	CBC020290	BC02 Seal Trough Replacement	Elec - Steam Production Plant	BC02 Seal Trough Replacement	DEC Prod. - Fos - Belews Crk - NC	225,012.47
DE Carolinas	CAS030006	Replace Allen 3 LP Rotors	Elec - Steam Production Plant	Replace Allen 3 LP Rotors	DEC Prod. - Fos - Allen - NC	214,434.60
DE Carolinas	CAS001260	Miscellaneous Valves 08 to 17	Elec - Steam Production Plant	This is Net Project for Allen Misc Valves 4 inch and greater and reflects a 10 year rolling budget..	DEC Prod. - Fos - Allen - NC	203,425.44
DE Carolinas	CMS010090	Marshall Unit 1 HP-IP Rotor Replace	Elec - Steam Production Plant	MS01 HP-IP Rotor Replacement	DEC Prod. - Fos - Marshall - NC	200,572.15
DE Carolinas	CMS011377	Install Damper on OLD Stack U1	Elec - Steam Production Plant	Install Damper on OLD Stack U1	DEC Prod. - Fos - Marshall - NC	191,814.75
DE Carolinas	RMS001221	Remove - Misc Vlvs & Act-Bkt	Elec - Steam Production Plant	Remove - Misc Valves & Actuators (Blanket)	DEC Prod. - Fos - Marshall - NC	191,138.32
DE Carolinas	CBC020086	BC02 Main Turb EHS Sys Repl	Elec - Steam Production Plant	BC02 Main Turb EHS Sys Repl	DEC Prod. - Fos - Belews Crk - NC	186,344.67
DE Carolinas	CBC020112	BC02 Main Turbine Valves 2016	Elec - Steam Production Plant	BC02 Main Turbine Valves 2016 - CAP	DEC Prod. - Fos - Belews Crk - NC	184,931.77
DE Carolinas	CCS060062	CS6 Dual Fuel Cofiring	Elec - Steam Production Plant	CS6 Dual Fuel Cofiring	DEC Prod. - Fos - Cliffsid 6 - NC	182,579.09
DE Carolinas	CMS041384	MS04 Upper Sidewall Panel Replaceme	Elec - Steam Production Plant	Install MS04 Upper Sidewall Panel Replacement	DEC Prod. - Fos - Marshall - NC	161,284.93
DE Carolinas	CAS050013	AS05 - Sootblower Project	Elec - Steam Production Plant	AS05 - Sootblower Project	DEC Prod. - Fos - Allen - NC	156,083.12
DE Carolinas	CMS041407	U4 HEP Asbestos Abatement	Elec - Steam Production Plant	MS4 2014 Pull Forward HEP Inspection Asbestos Abatement	DEC Prod. - Fos - Marshall - NC	156,001.64
DE Carolinas	CBC000123	A Aux Boiler Casing and Insulation	Elec - Steam Production Plant	A Aux Boiler Casing and Insulation	DEC Prod. - Fos - Belews Crk - NC	154,381.40
DE Carolinas	CBC000489	B Aux Boiler Casing and Insulation	Elec - Steam Production Plant	B Aux Boiler Casing and Insulation	DEC Prod. - Fos - Belews Crk - NC	152,719.04
DE Carolinas	CMS001378	MSS Install Mag Hydroxide System	Elec - Steam Production Plant	install MSS Install Mag Hydroxide System	DEC Prod. - Fos - Marshall - NC	146,450.03

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS050058	U5 HP Generator Field Rewind	Elec - Steam Production Plant	U5 HP Generator Field Rewind	DEC Prod. - Fos - Allen - NC	145,832.19
DE Carolinas	CAS000327	CY/YD Elec Equip Replacement	Elec - Steam Production Plant	CY/YD Elec Equip Replacement	DEC Prod. - Fos - Allen - NC	142,462.84
DE Carolinas	CBC020105	BC02 Cross-Over Joint Replacement	Elec - Steam Production Plant	BC02 Cross-Over Joint Replacement	DEC Prod. - Fos - Belews Crk - NC	141,333.61
DE Carolinas	CAS040006	U4 Replace Precip. Wire Electrodes	Elec - Steam Production Plant	U4 Replace Precip. Wire Electrodes	DEC Prod. - Fos - Allen - NC	140,212.13
DE Carolinas	CMSCM1209	Filtered Waterline Replacement	Elec - Steam Production Plant	Filtered Waterline Replacement	DEC Prod. - Fos - Marshall - NC	138,913.39
DE Carolinas	CAS001428	Emergency Showers and Eye Wash Stat	Elec - Steam Production Plant	Emergency Showers and Eye Wash Stations	DEC Prod. - Fos - Allen - NC	137,017.90
DE Carolinas	CMS000190	Marshall Diesel Tank	Elec - Steam Production Plant	Marshall Diesel Tank	DEC Prod. - Fos - Marshall - NC	136,673.36
DE Carolinas	CCS051228	U5 SCR EXPANSION JOINTS	Elec - Steam Production Plant	U5 SCR EXPANSION JOINTS	DEC Prod. - Fos - Cliffsid 5 - NC	133,411.99
DE Carolinas	RAS001216	Water Treatment System	Elec - Steam Production Plant	Water Treatment System	DEC Prod. - Fos - Allen - NC	124,789.76
DE Carolinas	CAS051203	Replace U5 Generator Relays	Elec - Steam Production Plant	Replace U5 Generator Relays	DEC Prod. - Fos - Allen - NC	119,303.43
DE Carolinas	CAS000020	Allen Structures Decommissioning	Elec - Steam Production Plant		DEC Prod. - Fos - Allen - NC	119,224.36
DE Carolinas	CMS041395	Marshall U4 Generator Rewind	Elec - Steam Production Plant	Marshall U4 Generator Rewind	DEC Prod. - Fos - Marshall - NC	116,324.05
DE Carolinas	CMS011325	Replace U1 Mill Bowls 2013	Elec - Steam Production Plant	Replace 2 complete U1 Mill Bowls 2013	DEC Prod. - Fos - Marshall - NC	113,000.00
DE Carolinas	RCS051279	CS 5C Feedwater Heater Replace	Elec - Steam Production Plant	CS 5C Feedwater Heater Replace	DEC Prod. - Fos - Cliffsid 5 - NC	112,713.41
DE Carolinas	CBC020063	2016 BC2 SCR Roof Replacement	Elec - Steam Production Plant	2016 BC2 SCR Roof Replacement	DEC Prod. - Fos - Belews Crk - NC	112,499.00
DE Carolinas	CAS050059	U5 Stage 2 Bucket Replacement	Elec - Steam Production Plant	U5 Stage 2 Bucket Replacement	DEC Prod. - Fos - Allen - NC	112,253.23
DE Carolinas	CMS041355	Drive Floor Beam Reinforcement	Elec - Steam Production Plant	Drive Floor Beam Reinforcement	DEC Prod. - Fos - Marshall - NC	111,689.59
DE Carolinas	CAS001419	Replace Abs 1 Emerg. Quench Header	Elec - Steam Production Plant	Replace Abs 1 Emergency Quench Header	DEC Prod. - Fos - Allen - NC	106,220.31
DE Carolinas	CAS001394	Coal Handling Electrical Modif	Elec - Steam Production Plant	Coal Handling Electrical Modifications	DEC Prod. - Fos - Allen - NC	106,202.93
DE Carolinas	CMS000093	SPCC Valve Replacement	Elec - Steam Production Plant	SPCC Valve Replacement	DEC Prod. - Fos - Marshall - NC	102,368.70
DE Carolinas	CBC010445	1C Booster Fan Motor Replacement	Elec - Steam Production Plant	1C Booster Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	100,620.73
DE Carolinas	CAS051270	Replace AS5 HP and LP High Voltage	Elec - Steam Production Plant	Replace AS5 HP and LP High Voltage	DEC Prod. - Fos - Allen - NC	99,716.17
DE Carolinas	CMS010001	Booster Fan Motor Rewind	Elec - Steam Production Plant	Booster Fan Motor Rewind	DEC Prod. - Fos - Marshall - NC	95,000.00
DE Carolinas	CS051432C	CS5 Main Steam Drain	Elec - Steam Production Plant	CS5 Main Steam Drain	DEC Prod. - Fos - Cliffsid 5 - NC	93,722.34
DE Carolinas	CBC010343	1B Booster Fan Motor Replacement	Elec - Steam Production Plant	1B Booster Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	87,950.55
DE Carolinas	CBC010336	U1 Fall2017 HEP NDT Inspct & Insula	Elec - Steam Production Plant	U1 Fall2017 HEP NDT Inspct & Insula	DEC Prod. - Fos - Belews Crk - NC	87,539.92
DE Carolinas	CBC001387	FGD Valve/Pump/Gear Boxes 2014	Elec - Steam Production Plant	FGD Valve/Pump/Gear Boxes 2014	DEC Prod. - Fos - Belews Crk - NC	85,814.00
DE Carolinas	CMS010071	U1 Air Tip Replacement (MATS)	Elec - Steam Production Plant	AIR TIP REPLACEMENT ( MATS )	DEC Prod. - Fos - Marshall - NC	84,492.51
DE Carolinas	CCS051293	CS5 Rplc CngTwr H.W.Basn Deck	Elec - Steam Production Plant	Replace entire hot water basin with fiberglass/resin material upgrade.	DEC Prod. - Fos - Cliffsid 5 - NC	83,549.38
DE Carolinas	CMS000681	Tripper Room MCC Replacement	Elec - Steam Production Plant	MCC installation and Demo for Tripper Room	DEC Prod. - Fos - Marshall - NC	82,654.74
DE Carolinas	CBC010222	U1 2017 FGD Recycle Pump Repl	Elec - Steam Production Plant	U1 2017 FGD Recycle Pump Repl	DEC Prod. - Fos - Belews Crk - NC	80,369.59
DE Carolinas	CAS051229	Replace AS5 Retaining Rings	Elec - Steam Production Plant	Replace AS5 Retaining Rings	DEC Prod. - Fos - Allen - NC	79,007.68
DE Carolinas	CCS060058	CS06 B ID Fan Rotor Replacement	Elec - Steam Production Plant	2018 6B ID Fan Replacement and Rebuild	DEC Prod. - Fos - Cliffsid 6 - NC	77,452.56
DE Carolinas	CAS050004	U5 Burner Change Out	Elec - Steam Production Plant	Unit 5 Burner Change Out. Change Top Two (2) Elevations with new style to assist with burning challanging fuels.	DEC Prod. - Fos - Allen - NC	77,201.60

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CBC020237	2B Booster Fan Motor	Elec - Steam Production Plant	2B Booster Fan Motor	DEC Prod. - Fos - Belews Crk - NC	76,417.44
DE Carolinas	CBC020235	2A BOOSTER FAN REPL	Elec - Steam Production Plant	2A BOOSTER FAN REPL	DEC Prod. - Fos - Belews Crk - NC	75,805.50
DE Carolinas	CBC020082	U2 - Replace 2-BU-207 (2018)	Elec - Steam Production Plant	U2 - Replace 2-BU-207 (2018)	DEC Prod. - Fos - Belews Crk - NC	73,496.45
DE Carolinas	CAS041249	Replace AS4 HP LP H2 Dryers	Elec - Steam Production Plant	Replace AS4 HP LP H2 Dryers	DEC Prod. - Fos - Allen - NC	72,946.72
DE Carolinas	MS021209C	HP and LP Voltage Regulators	Elec - Steam Production Plant	HP and LP Voltage Regulators	DEC Prod. - Fos - Marshall - NC	72,507.48
DE Carolinas	CMS030109	U3 Crossover Exp Joint Replace 2017	Elec - Steam Production Plant	MS03 Crossover Exp Joint Repl	DEC Prod. - Fos - Marshall - NC	71,518.32
DE Carolinas	CBC021432	BC02 Burner Nozzle Replacement	Elec - Steam Production Plant	BC02 Burner Nozzle Replacement	DEC Prod. - Fos - Belews Crk - NC	69,731.55
DE Carolinas	CBCCM0012	Sulfuric Acid Tank	Elec - Steam Production Plant	Sulfuric Acid Tank	DEC Prod. - Fos - Belews Crk - NC	69,447.57
DE Carolinas	CMS031441	Replace U3 ESOP Starter	Elec - Steam Production Plant	Repl U3 ESOP Starter Controls	DEC Prod. - Fos - Marshall - NC	68,152.65
DE Carolinas	CMSCM1221	Repl Clarifier w/Ultrafilter	Elec - Steam Production Plant	Repl Clarifier w/Ultrafilter	DEC Prod. - Fos - Marshall - NC	67,415.25
DE Carolinas	CMS001386	Replace Coal Handling Break RM & Of	Elec - Steam Production Plant	Replace Coal Handling Break RM & Office	DEC Prod. - Fos - Marshall - NC	66,875.10
DE Carolinas	CAS010033	1C Pulverizer Rebuild	Elec - Steam Production Plant	1C Pulverizer Rebuild	DEC Prod. - Fos - Allen - NC	66,682.96
DE Carolinas	CMS030107	U3 Flue Gas Duct Exp Joint Replacem	Elec - Steam Production Plant	The U3 Flue Gas Duct Expansion Joint at the Slope between BF and Plant is damaged and leaking. Moisture from inleakage and flue gas condensation is causing corrosion inside duct. This expansion joint needs to be replaced	DEC Prod. - Fos - Marshall - NC	66,272.72
DE Carolinas	CMS021286	U2 Gen &Transformer Relays	Elec - Steam Production Plant	U2 Gen &Transformer Relays	DEC Prod. - Fos - Marshall - NC	59,257.20
DE Carolinas	CMS030044	3A Booster Fan Replacement	Elec - Steam Production Plant	3A Booster Fan Replacement	DEC Prod. - Fos - Marshall - NC	59,187.35
DE Carolinas	CMS000227	Replace B-Bottom Ash Line	Elec - Steam Production Plant	Replace B-Bottom Ash Line	DEC Prod. - Fos - Marshall - NC	57,898.98
DE Carolinas	CCS051289	CS5 Rplc Cling Tower Fan Deck	Elec - Steam Production Plant	CS5 Rplc Cling Tower Fan Deck	DEC Prod. - Fos - Cliffsid 5 - NC	57,399.44
DE Carolinas	DLS001205	WS LEE U3 CAPITAL PIPING VALVES	Elec - Steam Production Plant	WS LEE U3 CAPITAL PIPING VALVES	DEC Prod. - Fos - Lee - SC	57,333.65
DE Carolinas	CMS001431	Replace Marshall C Ash Line	Elec - Steam Production Plant	Replace Marshall C Ash Line	DEC Prod. - Fos - Marshall - NC	56,275.11
DE Carolinas	CMS031388	U3 Inlet Brow Expan. Jt.	Elec - Steam Production Plant	INSTALL REMOVE U3 Inlet Brow Expan. Jt.	DEC Prod. - Fos - Marshall - NC	54,966.91
DE Carolinas	CAS030025	AS3 Replace Bunker Beams/Liner	Elec - Steam Production Plant	AS3 Replace Bunker Beams/ Liner	DEC Prod. - Fos - Allen - NC	50,402.26
DE Carolinas	CAS000271	Car Dumper Main Beams	Elec - Steam Production Plant	Car Dumper Main Beams	DEC Prod. - Fos - Allen - NC	49,878.98
DE Carolinas	CBC020238	2C Booster Fan Motor	Elec - Steam Production Plant	2C Booster Fan Motor	DEC Prod. - Fos - Belews Crk - NC	48,232.46
DE Carolinas	CBC020300	U2 Recycle Pump Expansion Joints	Elec - Steam Production Plant	U2 Recycle Pump Expansion Joints	DEC Prod. - Fos - Belews Crk - NC	46,666.44
DE Carolinas	CMSCM0019	FGD Absorber Outlet Expansion Joint	Elec - Steam Production Plant	Replace 1/2 FGD Outlet Expansion Joint	DEC Prod. - Fos - Marshall - NC	45,826.98
DE Carolinas	CBC021522	U2 Air Register Drives (Burn & OFA)	Elec - Steam Production Plant	U2 Air Register Drives (Burn & OFA)	DEC Prod. - Fos - Belews Crk - NC	45,108.00
DE Carolinas	CBC021380	2D FGD Booster Fan Rebuil	Elec - Steam Production Plant	2D FGD Booster Fan Rebuild (3500 HP 2/19/2013 cm)	DEC Prod. - Fos - Belews Crk - NC	44,815.00
DE Carolinas	CMS011354	U1/2 Inlet Brow Expan. Jt.	Elec - Steam Production Plant	U1/2 Inlet Brow Expan. Jt.	DEC Prod. - Fos - Marshall - NC	44,610.90
DE Carolinas	CMS021241	MS02 Booter Fan Rotor	Elec - Steam Production Plant	MS02 Booter Fan Rotor	DEC Prod. - Fos - Marshall - NC	44,362.48
DE Carolinas	CMS000234	Replace A- Bottom ash line	Elec - Steam Production Plant	Replace A- Bottom ash line	DEC Prod. - Fos - Marshall - NC	42,820.23
DE Carolinas	CAS040014	Unit 4 Burner Change Out	Elec - Steam Production Plant	Unit 4 Burner Change Out	DEC Prod. - Fos - Allen - NC	42,624.19
DE Carolinas	CMS011353	U1 Booster Fan Disch Expan. Jt	Elec - Steam Production Plant	install removal U1 Booster Fan Disch Expan. Jt	DEC Prod. - Fos - Marshall - NC	40,715.51
DE Carolinas	CS051272C	U5 Turbine valves 2015	Elec - Steam Production Plant	U5 Turbine valves 2015	DEC Prod. - Fos - Cliffsid 5 - NC	40,577.10



Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CMS000823	2018 Coal Handling Platforms	Elec - Steam Production Plant	Construction and Replacement of one platform and addition on one platform in MSS Coal Handling areas.	DEC Prod. - Fos - Marshall - NC	40,392.44
DE Carolinas	CBC000452	Replace Track 4	Elec - Steam Production Plant	Replace Track 4	DEC Prod. - Fos - Belews Crk - NC	40,000.00
DE Carolinas	CCS051496	FFP U5 CCM Coal Flow System	Elec - Steam Production Plant	FFP U5 CCM Coal Flow System	DEC Prod. - Fos - Cliffsid 5 - NC	39,942.00
DE Carolinas	CAS010057	Inspect/Replace U1 Coal Bunker	Elec - Steam Production Plant	Inspect/Replace U1 Coal Bunker	DEC Prod. - Fos - Allen - NC	39,100.00
DE Carolinas	CBC021393	U2 ID Fan VFD Mtr Control Sys	Elec - Steam Production Plant	U2 ID Fan VFD Mtr Control Sys	DEC Prod. - Fos - Belews Crk - NC	38,814.62
DE Carolinas	CMS031433	Replace Marshall U3 Plant Batteries	Elec - Steam Production Plant	Replace Marshall U3 Plant Batteries	DEC Prod. - Fos - Marshall - NC	38,164.63
DE Carolinas	CAS000013	Replace 3 TR Sets on Precips	Elec - Steam Production Plant	Replacd 3 TR Sets on Precips	DEC Prod. - Fos - Allen - NC	36,824.58
DE Carolinas	MS031234C	MS 3 BCP Actuators Replacement	Elec - Steam Production Plant	MS 3 BCP Actuators Replacement	DEC Prod. - Fos - Marshall - NC	36,635.06
DE Carolinas	CAS001423	Allen FGD T2 Trench Bushing Replace	Elec - Steam Production Plant	Allen FGD T2 Trench Bushing Replace Transformer	DEC Prod. - Fos - Allen - NC	36,338.00
DE Carolinas	CAS030090	U3 Exh Fan and Mill Liner Repl	Elec - Steam Production Plant	U3 Exh Fan and Mill Liner Replacement	DEC Prod. - Fos - Allen - NC	35,919.11
DE Carolinas	CBC010444	U1 Recycle Pump Expansion Joints	Elec - Steam Production Plant	U1 Recycle Pump Expansion Joints	DEC Prod. - Fos - Belews Crk - NC	35,866.44
DE Carolinas	CAS000534	A Ball Mill Liner & Lifter Bars	Elec - Steam Production Plant	A Ball Mill Liner & Lifter Bars	DEC Prod. - Fos - Allen - NC	35,290.09
DE Carolinas	CCS060046	U6 Absorber New Mist Eliminator	Elec - Steam Production Plant	Replace mist eliminator material. It is passing solids that are noticable at ground level. This replacement will incorporate an upgrade to FRP material which is a structural and thermal upgrade.	DEC Prod. - Fos - Cliffsid 6 - NC	35,078.94
DE Carolinas	RCS051376	CS-5 Gen H2 Cntrls & Mntg-Rplc	Elec - Steam Production Plant	CS-5 Gen H2 Cntrls & Mntg-Rplc	DEC Prod. - Fos - Cliffsid 5 - NC	34,881.58
DE Carolinas	CBC010045	1B PA Fan Motor Replacement	Elec - Steam Production Plant	1B PA Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	34,744.34
DE Carolinas	CAS041271	Replace Stage 5 HP Diaphragm	Elec - Steam Production Plant	Replace Stage 5 HP Diaphragm	DEC Prod. - Fos - Allen - NC	34,146.85
DE Carolinas	CCS060015	CS06 - Replc APH DFC Chain/Plates	Elec - Steam Production Plant	U6 Air Heater DFC needs the chain replaced along with wear plates and other wear items replaced	DEC Prod. - Fos - Cliffsid 6 - NC	32,176.68
DE Carolinas	CAS060029	Conveyor #8 to #9 Coal Chute	Elec - Steam Production Plant	Conveyor #8 to #9 Coal Chute	DEC Prod. - Fos - Allen - NC	32,013.12
DE Carolinas	CBC011365	1B FGD Booster Fan Rotor	Elec - Steam Production Plant	install remove 1B FGD Booster Fan Rotor	DEC Prod. - Fos - Belews Crk - NC	31,529.00
DE Carolinas	CAS000184	Employee Parking Lot	Elec - Steam Production Plant	Employee Parking Lot	DEC Prod. - Fos - Allen - NC	30,751.81
DE Carolinas	CMS040039	4A CCW Pump Motor Rewind	Elec - Steam Production Plant	4A CCW Pump Motor Rewind	DEC Prod. - Fos - Marshall - NC	30,000.00
DE Carolinas	CLS030012	WSLee U3 Aux Boiler HE Replacement	Elec - Steam Production Plant	Project to replace Auxiliary Bolier Heat Exchangers throughout the plant	DEC Prod. - Fos - Lee - SC	30,000.00
DE Carolinas	CMS021343	Install Damper on U2 OLD Stack	Elec - Steam Production Plant	Install Damper on U2 OLD Stack	DEC Prod. - Fos - Marshall - NC	29,429.93
DE Carolinas	CAS041231	AS4 Turbine Valves 2015	Elec - Steam Production Plant	AS4 Turbine Valves 2014	DEC Prod. - Fos - Allen - NC	28,435.42
DE Carolinas	CMS000580	606 Conveyor Belt Replacement	Elec - Steam Production Plant	Replace the 606 Conveyor Belt. Belt is 667' long.	DEC Prod. - Fos - Marshall - NC	27,127.00
DE Carolinas	CAS050003	Allen Unit 5 Conical Hopper Gates	Elec - Steam Production Plant	Allen Unit 5 Conical Hopper Gates	DEC Prod. - Fos - Allen - NC	27,060.49
DE Carolinas	CAS020029	Unit 2 Drum Vent Reroute	Elec - Steam Production Plant	Unit 2 Drum Vent Reroute	DEC Prod. - Fos - Allen - NC	27,014.83
DE Carolinas	CMS020035	Air Tip Replacement	Elec - Steam Production Plant	Air Tip Replacement	DEC Prod. - Fos - Marshall - NC	26,861.09
DE Carolinas	CASCM1225	MATS AS4&5 Activated Carbon System	Elec - Steam Production Plant	MATS Compliance AS U4& U5 Activated Carbon System (ACI)	DEC Prod. - Fos - Allen - NC	26,229.34
DE Carolinas	CBC001488	Replace Two Yard Holding Sump Pumps	Elec - Steam Production Plant	Replace Two Yard Holding Sump Pumps	DEC Prod. - Fos - Belews Crk - NC	26,226.61

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS041259	U4 Ovation Software Migration	Elec - Steam Production Plant	U4 Ovation Software Migration	DEC Prod. - Fos - Allen - NC	25,912.44
DE Carolinas	CCS060083	CS06 Replace all 3D Roll Assemblies	Elec - Steam Production Plant	CS06 - Replace all 3 D Mill Components 2017. Fully assembled journal/roll assemblies will be taken from warehouse and installed on 6D pulverizer. Riley Field Service will be used to provide limited oversight. Duke-Energy labor will be used for installation. REI will be used to assist in installation. Sunbelt will provide scaffolding.	DEC Prod. - Fos - Cliffsid 6 - NC	25,604.66
DE Carolinas	CMS011386	Replace Marshall U1 Plant Batteries	Elec - Steam Production Plant	Replace Marshall U1 Plant Batteries	DEC Prod. - Fos - Marshall - NC	25,383.15
DE Carolinas	CAS001210	Replace Service Water Piping	Elec - Steam Production Plant	Replace Service Water Piping	DEC Prod. - Fos - Allen - NC	24,432.00
DE Carolinas	CAS051272	AS5 Turbine Seals Replacement	Elec - Steam Production Plant	AS5 Turbine Seals Replacement	DEC Prod. - Fos - Allen - NC	24,345.31
DE Carolinas	CCS060071	Replace all 3A Roll Assemblies	Elec - Steam Production Plant	Replace all 3A Roll Assemblies Cindy Smathers no longer supports Cliffsid - Brett James Wood is the financial contact.	DEC Prod. - Fos - Cliffsid 6 - NC	23,605.86
DE Carolinas	CMS041405	Replace U4 C Mill Bowl 2014	Elec - Steam Production Plant	Replace U4 C Mill Bowl 2014	DEC Prod. - Fos - Marshall - NC	23,547.85
DE Carolinas	CBC000490	Capital Rebuild 'A' Ball Mill	Elec - Steam Production Plant	Capital Rebuild 'A' Ball Mill	DEC Prod. - Fos - Belews Crk - NC	22,932.74
DE Carolinas	CAS030102	Replace 3A Traveling Water Screen	Elec - Steam Production Plant	Replace 3A Traveling Water Screen	DEC Prod. - Fos - Allen - NC	22,290.78
DE Carolinas	CBC00278B	Fuel Oil Drain Tank Replacement	Elec - Steam Production Plant	Fuel Oil Drain Tank Replacement	DEC Prod. - Fos - Belews Crk - NC	21,924.00
DE Carolinas	CMS001433	Replace Fire Detection Panels	Elec - Steam Production Plant	Replace Fire Detection Panels	DEC Prod. - Fos - Marshall - NC	21,906.76
DE Carolinas	CAS000065	Coal Bunker Level Sensors	Elec - Steam Production Plant	Coal Bunker Level Sensors	DEC Prod. - Fos - Allen - NC	21,260.23
DE Carolinas	CBC011364	1C Booster Fan Rotor Replacement	Elec - Steam Production Plant	1C Booster Fan Rotor Replacement	DEC Prod. - Fos - Belews Crk - NC	20,919.00
DE Carolinas	CCS061225	CS06 - Recycle Pump Upgrades	Elec - Steam Production Plant	CS06 - Recycle Pump Upgrades	DEC Prod. - Fos - Cliffsid 6 - NC	20,771.99
DE Carolinas	CCS050067	CS05 - Hot Air Duct Exp Jnt Repl	Elec - Steam Production Plant	Replace the existing metal expansion joints with fabric joints.	DEC Prod. - Fos - Cliffsid 5 - NC	20,754.00
DE Carolinas	MS021205C	U2 Ovation Migration	Elec - Steam Production Plant	U2 Ovation Migration	DEC Prod. - Fos - Marshall - NC	20,707.89
DE Carolinas	CASCM0078	Gypsum Area Lights Replacement	Elec - Steam Production Plant	Gypsum Area Lights Replacement	DEC Prod. - Fos - Allen - NC	20,531.23
DE Carolinas	CAS010041	1A Pulverizer Rebuild	Elec - Steam Production Plant	1A Pulverizer Rebuild	DEC Prod. - Fos - Allen - NC	20,179.33
DE Carolinas	CMS01207A	U1 Ovation Migration	Elec - Steam Production Plant	U1 Ovation Migration	DEC Prod. - Fos - Marshall - NC	20,028.84
DE Carolinas	CBC010014	1A FD Fan Motor Replacement	Elec - Steam Production Plant	1A FD Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	20,018.54
DE Carolinas	CAS060024	Take Up Pulley Replacement 3,4,11,8	Elec - Steam Production Plant	Take Up Pulley Replacement 3,4,11,8	DEC Prod. - Fos - Allen - NC	20,000.00
DE Carolinas	CS05PHDW	Deterioration in the Penthouse Roof	Elec - Steam Production Plant	deterioration in the penthouse roof	DEC Prod. - Fos - Cliffsid 5 - NC	20,000.00
DE Carolinas	CMS041248	4B Booster Fan Rotor	Elec - Steam Production Plant	REMOVE - INSTALL 4B Booster Fan Rotor	DEC Prod. - Fos - Marshall - NC	18,827.67
DE Carolinas	CMSCM1231	Rail Embankment Drainage Systm	Elec - Steam Production Plant	Rail Embankment Drainage Systm	DEC Prod. - Fos - Marshall - NC	18,539.24
DE Carolinas	CAS010056	Unit 1 Drum Vent Reroute	Elec - Steam Production Plant	Unit 1 Drum Vent Reroute	DEC Prod. - Fos - Allen - NC	18,217.38
DE Carolinas	CAS040071	Replace 4B TWS	Elec - Steam Production Plant	Replace 4B TWS	DEC Prod. - Fos - Allen - NC	18,161.10
DE Carolinas	CBC010341	1D FD Fan Motor Replacement	Elec - Steam Production Plant	1D FD Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	18,147.42
DE Carolinas	NTN170055	Donation 107 ac @Belews Creek plant	Elec - Steam Production Plant	Donation of 107 ac @ Belews Creek plant land (LU 0057770) - ROW retained (LU 1700762)	DEC Prod. - Fos - Belews Crk - NC	17,508.70
DE Carolinas	CBC010340	1C FD Fan Motor Replacement	Elec - Steam Production Plant	1C FD Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	17,389.70

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CMS030147	Replace Outlet Duct Expansion Joint	Elec - Steam Production Plant	Replace outlet duct expansion joint of unit 3 absorber	DEC Prod. - Fos - Marshall - NC	16,731.20
DE Carolinas	CAS040002	AS04 Precip Controls Replacement	Elec - Steam Production Plant	AS04 Precip Controls Replacement	DEC Prod. - Fos - Allen - NC	16,301.61
DE Carolinas	CAS000226	GHJ & KL BP Feeder Cable Replc	Elec - Steam Production Plant	GHJ & KL BP Feeder Cable Replacement	DEC Prod. - Fos - Allen - NC	16,228.00
DE Carolinas	CBC010168	1A ID Fan Motor Replacement	Elec - Steam Production Plant	1A ID Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	15,964.38
DE Carolinas	CBC020301	2B BFP Volute Changeout Unit 2	Elec - Steam Production Plant	2B BFP Volute Changeout Unit 2	DEC Prod. - Fos - Belews Crk - NC	15,905.25
DE Carolinas	CCS060097	B Pulverizer Journal Replacement	Elec - Steam Production Plant	Replace all 3 B pulverizer jouranl/roll assemblies. TEI to provide installation services.	DEC Prod. - Fos - Cliffsid 6 - NC	15,858.84
DE Carolinas	CAS030095	U3 Emergent Burner Replacement	Elec - Steam Production Plant	U3 Emergen Burner Replacement	DEC Prod. - Fos - Allen - NC	15,858.47
DE Carolinas	CBC010269	U1 AVR Replacement	Elec - Steam Production Plant	U1 AVR Replacement	DEC Prod. - Fos - Belews Crk - NC	15,615.39
DE Carolinas	CMS031367	Replace 3B Booster Fan Rotor	Elec - Steam Production Plant	Replace 3B Booster Fan Rotor	DEC Prod. - Fos - Marshall - NC	15,606.89
DE Carolinas	CAS051257	U5 Ovation Software Migration	Elec - Steam Production Plant	Replace the existing I/O cards, controllers, operator workstations. Rewrite the control logic to incorporate SAMA logics.	DEC Prod. - Fos - Allen - NC	15,366.65
				312 Boiler plant equipment. COMBUSTION CONTROL SYSTEM COMBUSTION CONTROL SYSTEM COMBUSTION CONTROL SYSTEM STM-00955		
DE Carolinas	CAS000612	Coal Transfer Chute(s)	Elec - Steam Production Plant	Coal Transfer Chute(s)	DEC Prod. - Fos - Allen - NC	15,276.26
DE Carolinas	CBC010352	1D ID Fan Motor Replacement	Elec - Steam Production Plant	1D ID Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	15,237.51
DE Carolinas	CAS060017	Replace 6A Coal Conveyor Belt	Elec - Steam Production Plant	Replace 6A Coal Conveyor Belt	DEC Prod. - Fos - Allen - NC	15,000.00
DE Carolinas	CAS000260	AS Lube Oil Cooler Cooling Wtr Dra	Elec - Steam Production Plant	AS Lube Oil Cooler Cooling Wtr Dra	DEC Prod. - Fos - Allen - NC	15,000.00
DE Carolinas	CAS040013	AS04 Tier II Sel Relay Upgrade	Elec - Steam Production Plant	AS03 Tier II SEL Relay Upgrade	DEC Prod. - Fos - Allen - NC	14,912.00
DE Carolinas	CMSCM1235	FFP - MSS FGD Purge Capacity Increa	Elec - Steam Production Plant	FFP - MSS FGD Purge Capacity Increase	DEC Prod. - Fos - Marshall - NC	14,755.37
DE Carolinas	CASCM0049	"B" Dry Ash Compressor	Elec - Steam Production Plant	"B" Dry Ash Compressor	DEC Prod. - Fos - Allen - NC	14,270.00
DE Carolinas	CAS000234	Car Dumper Beams	Elec - Steam Production Plant	Car Dumper Beams	DEC Prod. - Fos - Allen - NC	14,042.59
DE Carolinas	CCS050068	Telecom Charger/Battery Bank System	Elec - Steam Production Plant	Telecom is recommending replacement with a new Charger/Battery Bank system to power both phones and data equipment.	DEC Prod. - Fos - Cliffsid 5 - NC	13,819.97
DE Carolinas	CAS000540	Repl Control Room Building Ceiling	Elec - Steam Production Plant	Repl Control Room Building Ceiling	DEC Prod. - Fos - Allen - NC	13,593.45
DE Carolinas	CLS001287	Rplc Telephone System	Elec - Steam Production Plant	Rplc Telephone System	DEC Prod. - Fos - Lee - SC	13,426.68
DE Carolinas	CASCM0038	MH Scale House Replacement	Elec - Steam Production Plant	MH Scale House Replacement	DEC Prod. - Fos - Allen - NC	13,405.24
DE Carolinas	CMS041305	Generator Voltage Regulator U4	Elec - Steam Production Plant	Generator Voltage Regulator U4	DEC Prod. - Fos - Marshall - NC	13,354.72
DE Carolinas	CASCM0073	B Magnetic Seperator	Elec - Steam Production Plant	B Magnetic Seperator	DEC Prod. - Fos - Allen - NC	13,234.00
DE Carolinas	CAS040026	Emergent Burner Replacement	Elec - Steam Production Plant	Unit 4 Emergent Burner Replacement as a result of internal inspection during Spring '15 outage. Burners were damaged beyond repair.	DEC Prod. - Fos - Allen - NC	13,143.50

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CMS040146	U4 - 2018 Pulverizer/Exhauster	Elec - Steam Production Plant	one exhauster fan and one set of mill journals	DEC Prod. - Fos - Marshall - NC	13,116.04
DE Carolinas	CAS000301	Design and Replace U1-2 BRSP Piping	Elec - Steam Production Plant	The U1 and U2 BRSP common piping is leaking and the hangers are deteriorating. The loss of this pipe is a safety hazard and single point of failure to both U1 and U2. This project is complete for the design and replacement of the pipe plus hangers.	DEC Prod. - Fos - Allen - NC	13,067.50
DE Carolinas	CCS050026	CS05 - Replace Acid drain piping	Elec - Steam Production Plant	Replace 4" CPVC piping from the Demin Regen area to the disposal sump pit - Approx 350' including all fittings, valves, etc	DEC Prod. - Fos - Cliffsid 5 - NC	12,486.66
DE Carolinas	CMS021344	2XS 600V MCC Replacement	Elec - Steam Production Plant	2XS 600V MCC Replacement	DEC Prod. - Fos - Marshall - NC	12,302.49
DE Carolinas	CMS021363	U2 600V 2XD MCC Replacements	Elec - Steam Production Plant	U2 600V 2XD MCC Replacements	DEC Prod. - Fos - Marshall - NC	12,302.49
DE Carolinas	CBC021538	BC02 FGD System Upgrade	Elec - Steam Production Plant	BC02 FGD System Upgrade	DEC Prod. - Fos - Belews Crk - NC	11,847.33
DE Carolinas	CMS021361	Replace U2 ESOP Starter	Elec - Steam Production Plant	Replace U2 ESOP Starter	DEC Prod. - Fos - Marshall - NC	11,436.63
DE Carolinas	CAS000544	Install Shop Crane	Elec - Steam Production Plant	Install Shop Crane	DEC Prod. - Fos - Allen - NC	11,250.00
DE Carolinas	CAS051239	U5 Sootblower into Ovation	Elec - Steam Production Plant	This project will move the Soot Blower controls from a PLC into the Unit 5 Ovation System.	DEC Prod. - Fos - Allen - NC	11,069.58
				315 Accessory electric equipment. MISCELLANEOUS STATION CONTROL ELECTRICAL MISCELLANEOUS SOOT HANDLING CONTROL ELECTRICAL STM-03302		
DE Carolinas	CASCM0089	Repl Clarifier Agitator & Controls	Elec - Steam Production Plant	Repl Clarifier Agitator & Controls	DEC Prod. - Fos - Allen - NC	11,004.67
DE Carolinas	CBC020317	2018 Fall Outage AR Pump Repl.	Elec - Steam Production Plant	2018 Fall Outage AR Pump Repl.	DEC Prod. - Fos - Belews Crk - NC	10,781.07
DE Carolinas	CAS050014	U5 Old Precipitator Room HVAC repla	Elec - Steam Production Plant	U5 Old Precipitator Room HVAC replacement	DEC Prod. - Fos - Allen - NC	10,445.76
DE Carolinas	CAS001418	Complete Annex Building Renovations	Elec - Steam Production Plant	Complete Annex Building Renovations	DEC Prod. - Fos - Allen - NC	10,400.00
DE Carolinas	CAS001417	Replace "A" Ash Line	Elec - Steam Production Plant	Replace "A" Ash Line	DEC Prod. - Fos - Allen - NC	10,400.00
DE Carolinas	CAS020085	Allen U2 High Voltage Bushings	Elec - Steam Production Plant	Replace Allen U2 High Voltage Bushing	DEC Prod. - Fos - Allen - NC	10,363.50
DE Carolinas	CMS021342	Replace MS2 Static Switches	Elec - Steam Production Plant	Replace MS2 Static Switches	DEC Prod. - Fos - Marshall - NC	10,353.50
DE Carolinas	CMS031438	U3 Precip Voltage Control	Elec - Steam Production Plant	U3 Precip Voltage Control	DEC Prod. - Fos - Marshall - NC	10,299.35
DE Carolinas	CAS000531	U1/U2/U3 Light Replacement LEDs	Elec - Steam Production Plant	U1/U2/U3 Light Replacement LEDs	DEC Prod. - Fos - Allen - NC	10,240.00
DE Carolinas	CAS000355	HCAG Gas Storage Area Upgrade	Elec - Steam Production Plant	HCAG Gas Storage Area Upgrade	DEC Prod. - Fos - Allen - NC	10,180.00
DE Carolinas	CMS020053	U2 Precip Vibrators	Elec - Steam Production Plant	U2 Precip Vibrators	DEC Prod. - Fos - Marshall - NC	10,147.73
DE Carolinas	CMSCM1215	FGD Ovation Migration	Elec - Steam Production Plant	FGD Ovation Migration	DEC Prod. - Fos - Marshall - NC	10,006.92
DE Carolinas	CCS061285	U6 PA Exp Joint Repl	Elec - Steam Production Plant	U6 PA Exp Joint Repl	DEC Prod. - Fos - Cliffsid 6 - NC	9,937.00
DE Carolinas	CMS001362	PTL Office Renovation	Elec - Steam Production Plant	INSTALL REMOVAL PTL Office Renovation	DEC Prod. - Fos - Marshall - NC	9,838.75
DE Carolinas	LARK1412D	Lark Flooring System	Elec - Steam Production Plant	Replace Lark maintenance shop floor. Remove top layer of concrete, power trowl on a new layer of concrete, seal the concrete, then apply 2 layers of Epoxy.	DEC Gen Plt - Offices/Op. Ctrs - NC	9,800.00

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS060023	2A/2B Take up Pulley Repl	Elec - Steam Production Plant	2A/2B Take up Pulley Repl	DEC Prod. - Fos - Allen - NC	9,800.00
DE Carolinas	RAS001260	Miscellaneous Valves 08 to 19	Elec - Steam Production Plant	This is Net Project for Allen Misc Valves 4 inch and greater and reflects a 10 year rolling budget..	DEC Prod. - Fos - Allen - NC	9,658.85
DE Carolinas	CASCM0013	ABS1 "C" AR Pump Replacement	Elec - Steam Production Plant	ABS1 "C" AR Pump Replacement	DEC Prod. - Fos - Allen - NC	9,549.70
DE Carolinas	CMS000244	Tractor shed & switchyard lights	Elec - Steam Production Plant	Tractor shed & switchyard lights	DEC Prod. - Fos - Marshall - NC	9,000.00
DE Carolinas	CBC00745A	Replace Telephone Line	Elec - Steam Production Plant	Replace Telephone Line	DEC Prod. - Fos - Belews Crk - NC	8,964.93
DE Carolinas	CASCM0005	Abs 3 AR Pump Rotating Element	Elec - Steam Production Plant	Abs 3 AR Pump Rotating Element	DEC Prod. - Fos - Allen - NC	8,887.24
DE Carolinas	CCS561237	Suck Creek Ash Line Protection	Elec - Steam Production Plant	Suck Creek Ash Line Protection	DEC Prod. - Fos - Cliffsid 5 - NC	8,300.00
DE Carolinas	CAS050078	U5 Sump Discharge Line	Elec - Steam Production Plant	U5 Sump Discharge Line	DEC Prod. - Fos - Allen - NC	8,144.00
DE Carolinas	CAS041254	Replace Unit 4 Exciters	Elec - Steam Production Plant	Replace Unit 4 Exciters	DEC Prod. - Fos - Allen - NC	8,003.41
DE Carolinas	CLS000004	Switchyard Cooling Tower Disconnect	Elec - Steam Production Plant	Replace Lee Switchyard Cooling Tower Disconnect	DEC Prod. - Fos - Lee - SC	8,000.00
DE Carolinas	CCS060032	CS06 - Sec Air Exp Jnt 18 Rplc	Elec - Steam Production Plant	On Unit 6 the secondary air expansion joint EJ-18 needs to be removed and replaced.	DEC Prod. - Fos - Cliffsid 6 - NC	7,473.19
DE Carolinas	CAS030014	Unit 3 Drum Vent Reroute	Elec - Steam Production Plant	Unit 3 Drum Vent Reroute	DEC Prod. - Fos - Allen - NC	7,348.75
DE Carolinas	CAS010128	AS01 Polsiher Elem/Site Glass Repl	Elec - Steam Production Plant	AS01 Polsiher Elem/Site Glass Repl	DEC Prod. - Fos - Allen - NC	7,246.10
DE Carolinas	CAS000503	ALN AUPS Battery Replacement	Elec - Steam Production Plant	ALN AUPS Battery Replacement	DEC Prod. - Fos - Allen - NC	7,076.15
DE Carolinas	CASCM0093	#3 Converyor/Assy Repl	Elec - Steam Production Plant	#3 Conveyor/Assy Repl	DEC Prod. - Fos - Allen - NC	7,067.62
DE Carolinas	CAS000222	Warehouse Fence/Gate Install	Elec - Steam Production Plant	Warehouse Fence/Gate Installation	DEC Prod. - Fos - Allen - NC	6,983.90
DE Carolinas	CBC000574	BC00 Repl ATF 15 KVA UPS	Elec - Steam Production Plant	BC00 Repl ATF 15 KVA UPS	DEC Prod. - Fos - Belews Crk - NC	6,827.70
DE Carolinas	CAS030058	Allen U3 Battery Replacement	Elec - Steam Production Plant	Allen U3 Battery Replacement .UOP ID:C15-10022	DEC Prod. - Fos - Allen - NC	6,743.20
DE Carolinas	RMS031366	U3A APH Top Guide Bearing Repl	Elec - Steam Production Plant	REMOVAL - U3A APH Top Guide Bearing Repl	DEC Prod. - Fos - Marshall - NC	6,581.28
DE Carolinas	CBC021537	Replace 2-4 CT Burner Assem 2016	Elec - Steam Production Plant	Replace 2-4 CT Burner Assembly 2016	DEC Prod. - Fos - Belews Crk - NC	6,577.01
DE Carolinas	CAS001316	Allen Jem Meters Phase II	Elec - Steam Production Plant		DEC Prod. - Fos - Allen - NC	6,556.00
DE Carolinas	CASCM0012	ABS1 "A" AR Pump Replacement	Elec - Steam Production Plant	ABS1 "A" AR Pump Replacement	DEC Prod. - Fos - Allen - NC	6,395.88
DE Carolinas	CMS041382	Replace 4A Booster Fan Rotor	Elec - Steam Production Plant	Replace 4A Booster Fan Rotor	DEC Prod. - Fos - Marshall - NC	6,269.44
DE Carolinas	CAS051273	Replacement of Allen 5 Polisher PLC	Elec - Steam Production Plant	Replacement of Allen 5 Polisher PLC Controls includes replacing unit 5 polisher inputs/outputs and inputs/outputs associated with common polisher equipment.	DEC Prod. - Fos - Allen - NC	6,086.62
DE Carolinas	CBC020346	BC02 2A1 Absorber Agitator	Elec - Steam Production Plant	BC02 2A1 Absorber Agitator	DEC Prod. - Fos - Belews Crk - NC	6,073.34

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CLS031248	LS3 Generator Relaying Upgrade	Elec - Steam Production Plant	Install new SEL 300G relays. The following functions will be protected by the new relay: 24, 27P, 32, 46, 40, 50N, 50P, 51N, 51V, 60, 78, 81O/U, and 87.  Property Unit Code 31500000009 Property Unit Name Accessory electric equipment - Coal Plant (31500)  315E - Accessory electric equipment. 05 Station control system, including station switchboards with panel wiring, panels with instruments and control equipment only, panels with switching equipment mounted or mechanically connected, truck-type boards complete, cubicles, station supervisory cont Relay panel Relay panel 315-05-036182	DEC Prod. - Fos - Lee - SC	5,992.91
DE Carolinas	CMS031437	U3 Precip Rapper Controls	Elec - Steam Production Plant	U3 Precip Rapper Controls	DEC Prod. - Fos - Marshall - NC	5,747.90
DE Carolinas	CMS001357	CH Tunnel Ventilation System	Elec - Steam Production Plant	INSTALL CH Tunnel Ventilation System	DEC Prod. - Fos - Marshall - NC	5,698.50
DE Carolinas	CMS041410	U 4 Abs Recycle Pump Casing	Elec - Steam Production Plant	Unit 4 Absorber Recycle pump hard metal casing	DEC Prod. - Fos - Marshall - NC	5,681.91
DE Carolinas	CBC020374	BC02 2-7 Pulverizer Mill Rebuild	Elec - Steam Production Plant	BC02 2-7 Pulverizer Mill Rebuild	DEC Prod. - Fos - Belews Crk - NC	5,570.09
DE Carolinas	CMS041320	U4 Exhauster Fan 2011	Elec - Steam Production Plant	U4 Exhauster Fan Re In 2011	DEC Prod. - Fos - Marshall - NC	5,549.31
DE Carolinas	CBC001596	BC Spare GSU Pad Modif.	Elec - Steam Production Plant	BC Spare GSU Pad Modification	DEC Prod. - Fos - Belews Crk - NC	5,307.02
DE Carolinas	RAS031260	U3A FWH Extraction Valve	Elec - Steam Production Plant	U3A FWH Extraction Valve	DEC Prod. - Fos - Allen - NC	5,231.00
DE Carolinas	RAS041243	U4 A FWH Extraction Vlv	Elec - Steam Production Plant	U4 A FWH Extraction Vlv	DEC Prod. - Fos - Allen - NC	5,231.00
DE Carolinas	CAS030011	Replacement of AS3 Polisher PLC	Elec - Steam Production Plant	Replacement of AS3 Polisher PLC	DEC Prod. - Fos - Allen - NC	5,227.43
DE Carolinas	CLS001298	Replace PBX System	Elec - Steam Production Plant	Replace PBX System.	DEC Prod. - Fos - Lee - SC	5,200.00
DE Carolinas	CMS031349	2011 U3 MILL JOURNALS	Elec - Steam Production Plant	INSTALL 2011 U3 MILL JOURNALS	DEC Prod. - Fos - Marshall - NC	5,108.45
DE Carolinas	CAS000094	Chemistry Equipment Upgrades	Elec - Steam Production Plant	Chemistry Equipment Upgrades	DEC Prod. - Fos - Allen - NC	5,090.00
DE Carolinas	CCS060035	CS06 - Absorber Inlt Exp Jnt Rplc	Elec - Steam Production Plant	Replace the Unit 6 absorber inlet expansion joint.	DEC Prod. - Fos - Cliffsid 6 - NC	5,000.71
DE Carolinas	CCS051332	Ovation Card Upgrade (Q to R)	Elec - Steam Production Plant	Ovation Card Upgrade (Q to R)	DEC Prod. - Fos - Cliffsid 5 - NC	5,000.00
DE Carolinas	CMS041403	U4 Precip Rapper Controls	Elec - Steam Production Plant	U4 Precip Rapper Controls	DEC Prod. - Fos - Marshall - NC	4,963.67
DE Carolinas	CBC010233	U1 "F" Bottom Ash Hopper Gate Valve	Elec - Steam Production Plant	U1 "F" Bottom Ash Hopper Gate Valve	DEC Prod. - Fos - Belews Crk - NC	4,940.00
DE Carolinas	CBC010454	BC01-Rework BC01 Exciter	Elec - Steam Production Plant	BC01-Rework BC01 Exciter	DEC Prod. - Fos - Belews Crk - NC	4,862.03
DE Carolinas	CAS040079	AS04 Repl 4A&4B Polisher Element	Elec - Steam Production Plant	AS04 Repl 4A&4B Polisher Element	DEC Prod. - Fos - Allen - NC	4,787.12
DE Carolinas	CAS050061	U5 FD Fan Electric Cable Repl	Elec - Steam Production Plant	U5 FD Fan Electric Cable Rep	DEC Prod. - Fos - Allen - NC	4,599.93
DE Carolinas	CAS050070	AS05 Repl 5A&5B Polisher Elements	Elec - Steam Production Plant	AS05 Repl 5A & 5B Polisher Elements	DEC Prod. - Fos - Allen - NC	4,526.79
DE Carolinas	CAS050040	Replace 5B Air Preheater Gearbox	Elec - Steam Production Plant	Replace 5B Air Preheater Gearbox	DEC Prod. - Fos - Allen - NC	4,502.15

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CCS050005	Relay Replcmnt - ID Fan VFD	Elec - Steam Production Plant	Relay Replcmnt - ID Fan VFD	DEC Prod. - Fos - Cliffsid 5 - NC	4,476.34
DE Carolinas	CMS010054	Absorber Recycle Pump Casings	Elec - Steam Production Plant	Absorber Recycle Pump Casings	DEC Prod. - Fos - Marshall - NC	4,356.48
DE Carolinas	CASCM0064	HCAD5B Load Zone Rebuild	Elec - Steam Production Plant	HCAD5B Load Zone Rebuild	DEC Prod. - Fos - Allen - NC	4,298.80
DE Carolinas	CASCM0063	HCAD-5A Load Zone Rebuild	Elec - Steam Production Plant	HCAD-5A Load Zone Rebuild	DEC Prod. - Fos - Allen - NC	4,298.80
DE Carolinas	CAS041267	Unit 4 Battery Replacement	Elec - Steam Production Plant	Unit 4 Battery Replacement	DEC Prod. - Fos - Allen - NC	4,212.00
DE Carolinas	CBC00113C	2017 Pulverizer Mill Capital - 1-3	Elec - Steam Production Plant	2017 Pulverizer Mill Capital - 1-3	DEC Prod. - Fos - Belews Crk - NC	4,170.76
DE Carolinas	RAS001302	Allen 1 2 3 4 5 Precip TR Sets	Elec - Steam Production Plant	Allen 1 2 3 4 5 Precip TR Sets	DEC Prod. - Fos - Allen - NC	4,164.02
DE Carolinas	CAS000542	Purchase Station Communication Equi	Elec - Steam Production Plant	Purchase Station Communication Equip	DEC Prod. - Fos - Allen - NC	4,156.95
DE Carolinas	CBC020356	2018 2B3 Recycle Pump	Elec - Steam Production Plant	2018 2B3 Recycle Pump	DEC Prod. - Fos - Belews Crk - NC	4,047.58
DE Carolinas	CAS001226	Mill Gearset and Exhauster Fan Repl	Elec - Steam Production Plant	Mill Gearset and Exhauster Fan Replacements	DEC Prod. - Fos - Allen - NC	4,017.19
DE Carolinas	CMS021315	MS2 EBOP Circuit Redesign	Elec - Steam Production Plant	install removal MS2 EBOP Circuit Redesign	DEC Prod. - Fos - Marshall - NC	3,962.56
DE Carolinas	CAS050002	AS05 Precip Controls Replacement	Elec - Steam Production Plant	AS05 Precip Controls Replacement	DEC Prod. - Fos - Allen - NC	3,962.46
DE Carolinas	CAS030098	AS03 Repl 3A&3B Polisher Elements	Elec - Steam Production Plant	AS03 Repl 3A&3B Polisher Element	DEC Prod. - Fos - Allen - NC	3,961.13
DE Carolinas	CMS001444	Sale of RX-500 Locomotive	Elec - Steam Production Plant	Sale of RX-500 Locomotive	DEC Prod. - Fos - Marshall - NC	3,776.98
DE Carolinas	CBC000475	2016 Belews Creek Wallblower (Cap)	Elec - Steam Production Plant	2016 Belews Creek Wallblower (Cap)	DEC Prod. - Fos - Belews Crk - NC	3,732.89
DE Carolinas	CBC000846	Administrative Office Restructuring	Elec - Steam Production Plant	Administrative Office Restructuring	DEC Prod. - Fos - Belews Crk - NC	3,608.54
DE Carolinas	CBC020265	U2 FGD Recycle Pump Casing Repl	Elec - Steam Production Plant	U2 FGD Recycle Pump Casing Repl	DEC Prod. - Fos - Belews Crk - NC	3,600.03
DE Carolinas	CMS021356	Replace U2 Drum Level Hydr	Elec - Steam Production Plant	Replace U2 Drum Level Hydr	DEC Prod. - Fos - Marshall - NC	3,511.53
DE Carolinas	CAS001413	DFA Exhausters/Blowers Replacement	Elec - Steam Production Plant	DFA Exhausters/Blowers Replacement	DEC Prod. - Fos - Allen - NC	3,500.00
DE Carolinas	NTN170060	Disposal 2 ac Allen Steam Station	Elec - Steam Production Plant	Disposal 2 ac Allen Steam Station plant land	DEC Prod. - Fos - Allen - NC	3,378.68
DE Carolinas	CBC000208	Replace Potable Water Line in M/H	Elec - Steam Production Plant	Replace Potable Water Line in M/H	DEC Prod. - Fos - Belews Crk - NC	3,241.79
DE Carolinas	CBC001516	Replace NH3 Fogging System PLC	Elec - Steam Production Plant	Replace NH3 Fogging System PLC	DEC Prod. - Fos - Belews Crk - NC	3,237.42
DE Carolinas	CCS051501	U5 B6 Cooling Tower Gearbox Repl	Elec - Steam Production Plant	U5 B6 Cooling Tower Gearbox Repl	DEC Prod. - Fos - Cliffsid 5 - NC	3,235.51
DE Carolinas	CLS000079	Lee Capital Warehouse Project	Elec - Steam Production Plant	Shelving replacement in warehouse. Will dispose of all homemade racking through the demolition team. Stein Services will be involved and will need to relocated material stored in warehouse.	DEC Prod. - Fos - Lee - SC	3,223.26
DE Carolinas	CMS000647	MS1/2D ARP Casing Replace	Elec - Steam Production Plant	Unit 1/2 D Absorber Recycle pump hard metal casing	DEC Prod. - Fos - Marshall - NC	3,180.00
DE Carolinas	CCS051480	Cliffside Combustable Dust - Engine	Elec - Steam Production Plant	Cliffside Combustable Dust - Engineering (switches and fuses)	DEC Prod. - Fos - Cliffsid 5 - NC	3,116.22
DE Carolinas	CBCCM1213	Material Handling Belts Replace	Elec - Steam Production Plant	Material Handling Belts Replace	DEC Prod. - Fos - Belews Crk - NC	3,110.00
DE Carolinas	CAS000252	Replace Turbine Room Overhead Door	Elec - Steam Production Plant	Replace Turbine Room Overhead Door	DEC Prod. - Fos - Allen - NC	3,108.69
DE Carolinas	CBC00113D	2017 Pulverizer Mill Capital - 2-3	Elec - Steam Production Plant	2017 Pulverizer Mill Capital - 2-3	DEC Prod. - Fos - Belews Crk - NC	3,094.27
DE Carolinas	CAS020081	AS02 Replace 2A & 2B Polisher Elem	Elec - Steam Production Plant	AS02 Replace 2A & 2B Polisher Elem	DEC Prod. - Fos - Allen - NC	3,018.75
DE Carolinas	CMS040152	MS4 CEMS Replacement	Elec - Steam Production Plant	MS4 CEMS Replacement	DEC Prod. - Fos - Marshall - NC	2,993.88
DE Carolinas	CMS040136	Bottom Ash Hopper Access Door	Elec - Steam Production Plant	Bottom ash hopper door integrity has been compromised and is in danger of failing.	DEC Prod. - Fos - Marshall - NC	2,965.21
DE Carolinas	CMS040103	4D ARP Pump Casing Replcmnt	Elec - Steam Production Plant	Unit 4D Absorber Recycle pump hard metal casing	DEC Prod. - Fos - Marshall - NC	2,825.41

Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CMS000648	MS1/2C ARP Casing Replace	Elec - Steam Production Plant	Unit 1/2 C Absorber Recycle pump hard metal casing	DEC Prod. - Fos - Marshall - NC	2,811.44
DE Carolinas	RMS031356	Re/In U3a Blr.Room Sump Pump	Elec - Steam Production Plant	REMOVAL Re/In U3a Blr.Room Sump Pump	DEC Prod. - Fos - Marshall - NC	2,806.01
DE Carolinas	CAS050041	Replace 4kV Circuit Breaker	Elec - Steam Production Plant	Replace 4kV Circuit Breaker	DEC Prod. - Fos - Allen - NC	2,712.52
DE Carolinas	CAS050077	U5 Debris Filter Valve & Exp Joint	Elec - Steam Production Plant	U5 Debris Filter Valve & Expansion Joint	DEC Prod. - Fos - Allen - NC	2,691.89
DE Carolinas	CAS040043	ALN4 - DFIP Stage 10 Bucket Replace	Elec - Steam Production Plant	ALN4 - DFIP Stage 10 Bucket Replace	DEC Prod. - Fos - Allen - NC	2,646.00
DE Carolinas	CMS000822	Replace fans in absorber building	Elec - Steam Production Plant	Replace Exhaust fans in absorber building at the FGD	DEC Prod. - Fos - Marshall - NC	2,481.67
DE Carolinas	CAS030103	U3 Conical Hopper Slide Gates	Elec - Steam Production Plant	U3 Conical Hopper Slide Gates	DEC Prod. - Fos - Allen - NC	2,475.03
DE Carolinas	CAS030104	U3 Expansion Joint	Elec - Steam Production Plant	U3 Expansion Joint	DEC Prod. - Fos - Allen - NC	2,475.03
DE Carolinas	CAS000223	Inlet CEMS S02 Analyzwer Replc	Elec - Steam Production Plant	Inlet CEMS S02 Analyzer Replacement	DEC Prod. - Fos - Allen - NC	2,446.20
DE Carolinas	CBC010167	Replace BC1 CEMS Data Controller	Elec - Steam Production Plant	Replace BC1 CEMS Data Controller	DEC Prod. - Fos - Belews Crk - NC	2,426.40
DE Carolinas	CASCM0041	1C AR Pump Casing/Rotating Element	Elec - Steam Production Plant	1C AR Pump Casing/Rotating Element	DEC Prod. - Fos - Allen - NC	2,404.99
DE Carolinas	CMS040102	4A ARP Pump Casing Replcmnt	Elec - Steam Production Plant	Unit 4A Absorber Recycle pump hard metal casing	DEC Prod. - Fos - Marshall - NC	2,380.95
DE Carolinas	CASCM0074	Mill Journal Replacement	Elec - Steam Production Plant	Mill Journal Replacement	DEC Prod. - Fos - Allen - NC	2,352.76
DE Carolinas	LARK1411D	Lark LED Lighting	Elec - Steam Production Plant	Replace metal halide and high pressure sodium lighting with LED	DEC Gen Plt - Offices/Op. Ctrs - NC	2,350.00
DE Carolinas	LARK1401D	Repl 20-Ton Trane Heat Pump	Elec - Steam Production Plant	Replace failed heat pump with new 20-Ton Trane heat pump.	DEC Gen Plt - Offices/Op. Ctrs - NC	2,350.00
DE Carolinas	CCS051440	WWTS Hydraulic Capacity Upgrad	Elec - Steam Production Plant	WWTS Hydraulic Capacity Upgrad	DEC Prod. - Fos - Cliffsid 5 - NC	2,183.88
DE Carolinas	CMS000613	Office Furniture	Elec - Steam Production Plant	Install office furniture in administration building	DEC Prod. - Fos - Marshall - NC	2,140.00
DE Carolinas	CAS040050	Unit 4RB Exhauster	Elec - Steam Production Plant	Unit 4RB Exhauster	DEC Prod. - Fos - Allen - NC	2,090.17
DE Carolinas	CBC00113B	2017 Pulverizer Mill Capital - 1-2	Elec - Steam Production Plant	2017 Pulverizer Mill Capital - 1-2	DEC Prod. - Fos - Belews Crk - NC	2,013.42
DE Carolinas	CAS001252	Mill Exhauster Fan Pepl-2013	Elec - Steam Production Plant	Mill Exhauster Fan Pepl-2013	DEC Prod. - Fos - Allen - NC	2,000.00
DE Carolinas	CMS001411	Hot Water Tank replacement	Elec - Steam Production Plant	Hot Water Tank replacement	DEC Prod. - Fos - Marshall - NC	1,901.65
DE Carolinas	CCS560090	CS56-Replace FGD Radios	Elec - Steam Production Plant	This project is to replace the FGD radios.	DEC Prod. - Fos - Cliff 5&6 Com -NC	1,899.33
DE Carolinas	CAS010111	Replace U1 Turbine Overhead Door	Elec - Steam Production Plant	Replace U1 Turbine Overhead Door	DEC Prod. - Fos - Allen - NC	1,880.53
DE Carolinas	CMS000646	MS1/2 A ARP Casing Replace 2017	Elec - Steam Production Plant	Unit 1/2A Absorber Recycle pump hard metal casing	DEC Prod. - Fos - Marshall - NC	1,810.66
DE Carolinas	CMS040034	Replc MS4 CEMS Data Controller	Elec - Steam Production Plant	Replc MS4 CEMS Data Controller	DEC Prod. - Fos - Marshall - NC	1,799.08
DE Carolinas	CBC020135	Replace BC2 CEMS Data Controller	Elec - Steam Production Plant	Replace BC2 CEMS Data Controller	DEC Prod. - Fos - Belews Crk - NC	1,794.31
DE Carolinas	MS031242C	MS3 Repl 2 Waterbox Inlet VlvS	Elec - Steam Production Plant	INSTALL REMOVE MS3 Repl 2 Waterbox Inlet VlvS	DEC Prod. - Fos - Marshall - NC	1,780.38
DE Carolinas	CMS030043	Replc MS3 CEMS Data Controller	Elec - Steam Production Plant	Replc MS3 CEMS Data Controller	DEC Prod. - Fos - Marshall - NC	1,735.19
DE Carolinas	CMS030123	U3-Rplc C & D ARP Pump Casings	Elec - Steam Production Plant	U3-Rplc C & D ARP Pump Casings	DEC Prod. - Fos - Marshall - NC	1,720.96
DE Carolinas	CLS031250	Replace 3T Switchgear Relaying	Elec - Steam Production Plant	Replace 3T Switchgear Relaying	DEC Prod. - Fos - Lee - SC	1,717.26
DE Carolinas	CCS051212	U5 Install FD fan Damper Drive	Elec - Steam Production Plant	U5 Install FD fan Damper Drive	DEC Prod. - Fos - Cliffsid 5 - NC	1,703.98
DE Carolinas	CASCM0066	AS00 RO Membrane Replacement	Elec - Steam Production Plant	AS00 RO Membrane Replacement	DEC Prod. - Fos - Allen - NC	1,688.28
DE Carolinas	CBC010267	U1 VFD Thornton Upgrades	Elec - Steam Production Plant	U1 VFD Thornton Upgrades	DEC Prod. - Fos - Belews Crk - NC	1,687.29
DE Carolinas	CMS030200	Replace all Ammonia Detectors	Elec - Steam Production Plant	need to replace old non-working ammonia detectors on unit 3	DEC Prod. - Fos - Marshall - NC	1,640.66
DE Carolinas	CMS001420	Replc MS Gyp Transfer Conveyor	Elec - Steam Production Plant	Replc MS Gyp Transfer Conveyor	DEC Prod. - Fos - Marshall - NC	1,600.00
DE Carolinas	CAS040082	U4 Expansion Joint	Elec - Steam Production Plant	U4 Expansion Joint	DEC Prod. - Fos - Allen - NC	1,544.58



Duke Energy Carolinas  
Projects Unitized to COR Reserve  
January 1, 2017 - January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	AS000019C	WWT Hydrochloric Pump Skid Repl	Elec - Steam Production Plant	Replacement of 5HP WWT Hydrochloric Acid Pump Skid	DEC Prod. - Fos - Allen - NC	1,360.59
DE Carolinas	CMS000280	Replace Undersized Air Dryers	Elec - Steam Production Plant	Project will be funded from station managed capital AS001421 Replace Undersized Air Dryers	DEC Prod. - Fos - Marshall - NC	1,337.50
DE Carolinas	CMS000661	FGD: Replace submersible pump	Elec - Steam Production Plant	need to replace the full assmby of the submersible pump with inkind pump of 50HP	DEC Prod. - Fos - Marshall - NC	1,324.87
DE Carolinas	CAS000551	Office Furniture and Equipment	Elec - Steam Production Plant	Purchase office furniture and equipment for Allen Station converence rooms	DEC Prod. - Fos - Allen - NC	1,304.00
DE Carolinas	CMSCM1201	C&D Replace Demin Controls	Elec - Steam Production Plant	C&D Replace Demin Controls	DEC Prod. - Fos - Marshall - NC	1,241.00
DE Carolinas	CAS040081	Replace U4 SO3 System Heater	Elec - Steam Production Plant	Replace U4 SO3 System Heater	DEC Prod. - Fos - Allen - NC	1,219.80
DE Carolinas	CBC000214	Alternate Start-up DFA System	Elec - Steam Production Plant	Alternate Start-up DFA System	DEC Prod. - Fos - Belews Crk - NC	1,200.49
DE Carolinas	CAS001388	Simulator Migration	Elec - Steam Production Plant	Simulator Migration	DEC Prod. - Fos - Allen - NC	1,200.00
DE Carolinas	CMS000913	Replace "A" Vacuum belt at FGD	Elec - Steam Production Plant	Need to replace A vacuum belt	DEC Prod. - Fos - Marshall - NC	1,143.50
DE Carolinas	CMS000179	Repl CEMS Ctrlrs SCR/FGD	Elec - Steam Production Plant	Replace five obsolete Continuous Emissions Monitoring System ESC8832 Data Controllers. One Controller on each FGD inlet used for FGD trim control and Opacity readings. One controller is on MS3 SCR. Configure replacement device SO2, NOx, CO2, Flow, Hg, and PM data and calculations. Configure Distrubuted Control System (DCS) MODBUS interface.	DEC Prod. - Fos - Marshall - NC	1,094.09
DE Carolinas	CMS020153	Clinker Crusher Replacement	Elec - Steam Production Plant	Clinker Crusher Replacement	DEC Prod. - Fos - Marshall - NC	1,084.80
DE Carolinas	CAS000452	Charger/Inverter Replacement Comp.	Elec - Steam Production Plant	Charger/Inverter Replacement Comp.	DEC Prod. - Fos - Allen - NC	1,084.16
DE Carolinas	CAS041275	Replacement of Allen 4 Polisher PLC	Elec - Steam Production Plant	This project will replace the unit 4 polisher PLC I/O and any required common polisher equipment I/O with Ovation DCS I/O. The Reliance PLC will be retained until unit 3 and 5 polisher controls are moved to the DCS. The DCS I/O will be configured as remote I/O and connected to an existing unit 4 or unit 5 Ovation controller. Furnish a local DCS operator workstation, if not furnished by an earlier project. Program the existing functionality of the polisher controls into the Ovation controller. Create required Ovation graphics to provide operator interface to the Polisher system.	DEC Prod. - Fos - Allen - NC	1,077.64
DE Carolinas	CMS030168	Replace exp joint on 3A booster fan	Elec - Steam Production Plant	Need to replace expansion joint on the outlet of 3A booster fan	DEC Prod. - Fos - Marshall - NC	1,070.27
DE Carolinas	CAS000442	#3 Conveyor Belt Replacement	Elec - Steam Production Plant	#3 Conveyor Belt Replacement	DEC Prod. - Fos - Allen - NC	1,000.00
DE Carolinas	CLS000060	WSLee UO Security PU Replacement	Elec - Steam Production Plant	This project will replace the entire security monitoring system including camera, monitors, and DVR equipment.	DEC Prod. - Fos - Lee - SC	980.86

[illegible]

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CRB001289	Retire Riverbend Station PER	Elec - Steam Production Plant	Retire Riverbend Station PER	DEC Prod. - Fos - Riverbend - NC	39,916,604.02
DE Carolinas	CBK001274	Buck Steam Decommissioning	Elec - Steam Production Plant	Buck Steam Decommissioning	DEC Prod. - Fos - Buck - NC	29,808,385.83
DE Carolinas	CDR001241	DR Retirement Work	Elec - Steam Production Plant	DR Retirement Work - DO NOT EXTEND FCD AARG	DEC Prod. - Fos - Dan River - NC	18,177,482.54
DE Carolinas	CBC010414	BC1 Horizontal RH Replacement	Elec - Steam Production Plant	BC1 Horizontal RH Replacement	DEC Prod. - Fos - Belews Crk - NC	7,701,373.71
DE Carolinas	CBC000743	Belews Creek Chimney Project	Elec - Steam Production Plant	Belews Creek Chimney Demolition Project. Belews Creek requires the removal of the Chimney onsite due to potential safety issues. The Plant Retirement and Demolition team will perform the demolition duties for the site, which will begin with an inspection in first quarter 2018. Afterwards, the team will evaluate the plans and procedures for completing this task. 2017 LRP Request + Plant Demolition and Retirement work required to prepare the chimney for retirement/closure, decommission and final demolition. Updated Program budget taken from the May/June	DEC Prod. - Fos - Belews Crk - NC	6,872,064.17
DE Carolinas	CMTH00643	Mt. Holly Demo	Elec - Steam Production Plant	Remediation plans are currently in place to address some of these issues such as PCB, lead, arsenic impacted soils, and the removal of coal from the former coal yard areas, but there are three areas where determinations have not been made on what, if any, corrective actions will be taken. These areas include: Power House Basement, Intake Tunnels, Discharge Tunnel. As a result, the remainder of this report shall focus strictly on these three areas.	DEC Prod. - Fos - Allen - NC	5,942,119.01
DE Carolinas	CBC011283	BC01 Secondary SH Replacement	Elec - Steam Production Plant	BC01 Secondary SH Replacement	DEC Prod. - Fos - Belews Crk - NC	5,452,768.04
DE Carolinas	CCS050052	Cliffside 5 chimney demo project	Elec - Steam Production Plant	Cliffside Unit 5 requires the removal of the Chimney onsite due to potential safety issues. To retire and demolish the Cliffside Unit 5 Stacks and associated equipment Cliffside U5 Chimney is no longer in service. The chimney should be removed as soon as possible to prevent the potential damage to employees and other equipment. A visual inspection was used to determined this	DEC Prod. - Fos - Cliffsid 5 - NC	3,937,516.44
DE Carolinas	CMS040095	Marshall 4 Chimney Demo	Elec - Steam Production Plant	Marshall 4 Chimney Demo	DEC Prod. - Fos - Marshall - NC	1,903,020.22
DE Carolinas	CMS011259	MS1 APH Basket Replacement	Elec - Steam Production Plant	MS1 APH Basket Replacement	DEC Prod. - Fos - Marshall - NC	1,452,392.97
DE Carolinas	CBC005261	Belews Creek Dual Fuel Cofiring-01	Elec - Steam Production Plant	Belews Creek Dual Fuel Cofiring-01	DEC Prod. - Fos - Belews Crk - NC	1,381,882.49
DE Carolinas	CMS031421	Retire the original Unit 3 stack	Elec - Steam Production Plant	Retire the original Unit 3 stack	DEC Prod. - Fos - Marshall - NC	1,151,070.48

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS000410	Allen Water Tower Demolition	Elec - Steam Production Plant	Allen Water Tower Demolition	DEC Prod. - Fos - Allen - NC	831,834.96
DE Carolinas	CAS040009	Allen U4 HP Generator Field Rewind	Elec - Steam Production Plant	Allen U4 HP Generator Field Rewind UOP:314E Turbogenerator units 210314100500	DEC Prod. - Fos - Allen - NC	697,567.35
DE Carolinas	RBC001331	ASBESTOS REMOVAL BC REM	Elec - Steam Production Plant	ASBESTOS REMOVAL BELEWS CREEK 1/21/16 BLANKET REMOVAL PROJECT	DEC Prod. - Fos - Belews Crk - NC	693,670.07
DE Carolinas	CBC010094	U1 Repl 1-BU-202-1, -2, -3 (2017)	Elec - Steam Production Plant	U1 Repl 1-BU-202-1, -2, -3 (2017)	DEC Prod. - Fos - Belews Crk - NC	608,484.25
DE Carolinas	CCS051310	U5 Bottom Ash Conveying Sys.	Elec - Steam Production Plant	U5 Bottom Ash Conveying Sys.	DEC Prod. - Fos - Cliffsid 5 - NC	580,935.35
DE Carolinas	CBC010105	BC01 PPT Upgrade	Elec - Steam Production Plant	BC01 PPT Upgrade	DEC Prod. - Fos - Belews Crk - NC	574,992.12
DE Carolinas	CBC010485	U1 Boiler Seal Trough System	Elec - Steam Production Plant	U1 Boiler Seal Trough System	DEC Prod. - Fos - Belews Crk - NC	563,573.36
DE Carolinas	CBC010578	BC Unit 1 Layer 2 Catalyst 2019	Elec - Steam Production Plant	BC Unit 1 Layer 2 Catalyst 2019	DEC Prod. - Fos - Belews Crk - NC	548,678.23
DE Carolinas	CBC020094	Replace ESP Inlet Expansion Joint	Elec - Steam Production Plant	Replace ESP Inlet Expansion Joint	DEC Prod. - Fos - Belews Crk - NC	537,850.31
DE Carolinas	CMS000604	HCAD - COAL CRUSHER MOTORS	Elec - Steam Production Plant		DEC Prod. - Fos - Marshall - NC	496,499.23
DE Carolinas	CAS051269	Replace AS5 DFLP Rotor	Elec - Steam Production Plant	Replace AS5 DFLP Rotor	DEC Prod. - Fos - Allen - NC	481,723.92
DE Carolinas	CMS000820	Marshall BA Piping Demo.	Elec - Steam Production Plant	Marshall Bottom Ash Piping Demolition	DEC Prod. - Fos - Marshall - NC	446,627.73
DE Carolinas	CCS051292	CS5 Catalyst Replacement	Elec - Steam Production Plant	CS5 Catalyst Replacement	DEC Prod. - Fos - Cliffsid 5 - NC	419,431.41
DE Carolinas	CBC011258	BC1 Layer1 Catalys Replace-CAP	Elec - Steam Production Plant	BC01 Layer1 Catalyst Replace-CAP	DEC Prod. - Fos - Belews Crk - NC	395,508.52
DE Carolinas	CMS000367	Replace U3-U4 dry fly ash lines	Elec - Steam Production Plant	Replace U3-U4 dry fly ash lines	DEC Prod. - Fos - Marshall - NC	380,750.83
DE Carolinas	CBC001412	Pine Hall Rd Landfill Repairs	Elec - Steam Production Plant	Pine Hall Rd Landfill Repairs	DEC Prod. - Fos - Belews Crk - NC	364,493.62
DE Carolinas	CMS030181	MS3 Main Mill Hoist System Repl	Elec - Steam Production Plant	MS3 Main Mill Hoist Trolley Replacement	DEC Prod. - Fos - Marshall - NC	357,553.16
DE Carolinas	CBC010480	BC01 Main Turbine Valves 2019	Elec - Steam Production Plant	BC01 Main Turbine Valves 2019	DEC Prod. - Fos - Belews Crk - NC	357,270.91
DE Carolinas	CMS020139	MS2 Main Mill Hoist System Repl	Elec - Steam Production Plant	MS2 Main Mill Hoist System Repl	DEC Prod. - Fos - Marshall - NC	352,530.78
DE Carolinas	CBC000526	Belews Creek Dual Fuel Cofiring-02	Elec - Steam Production Plant	Belews Creek Dual Fuel Cofiring-02	DEC Prod. - Fos - Belews Crk - NC	351,644.24
DE Carolinas	CMS011379	U1 Main Mill Hoist Trolly Replamnt	Elec - Steam Production Plant	U1 Main Mill Hoist Trolly Replamnt	DEC Prod. - Fos - Marshall - NC	343,085.46
DE Carolinas	DMS000345	Replace u2 fly ash lines to silo	Elec - Steam Production Plant	Replace the fly ash lines from the plant all the way to the silos, lines are thining and will need to be repalced.	DEC Prod. - Fos - Marshall - NC	310,716.98
DE Carolinas	CBC011379	BC01 MAIN UNIT RELAYING	Elec - Steam Production Plant	BC01 MAIN UNIT RELAYING	DEC Prod. - Fos - Belews Crk - NC	309,182.53
DE Carolinas	CMS021336	U2 Drive Floor Reinforcement	Elec - Steam Production Plant	U2 Drive Floor Reinforcement	DEC Prod. - Fos - Marshall - NC	308,878.95
DE Carolinas	CBC000720	BC - Remove Silo 1 and 2	Elec - Steam Production Plant	BC - Remove Silo 1 and 2	DEC Prod. - Fos - Belews Crk - NC	299,870.09
DE Carolinas	CBC000790	Belews Creek BA Piping Demol	Elec - Steam Production Plant	Belews Creek Bottom Ash Piping Retirement Project	DEC Prod. - Fos - Belews Crk - NC	286,222.61
DE Carolinas	CMS011346	MS1 Gen and Tfmr Relays	Elec - Steam Production Plant	MS1 Gen & Transformer Relays	DEC Prod. - Fos - Marshall - NC	265,167.92
DE Carolinas	CMS030081	OPTIM ST Valve SV-TV MS03-Capital	Elec - Steam Production Plant	Replace unit 3 main turbine stop valves with spares	DEC Prod. - Fos - Marshall - NC	254,523.33
DE Carolinas	CMS001392	MS Dual Ignition Gas & Fuel Oil	Elec - Steam Production Plant	MS Dual Ignition with Gas & Fuel Oil	DEC Prod. - Fos - Marshall - NC	252,156.31
DE Carolinas	CAS000613	Allen BA Piping Demo.	Elec - Steam Production Plant	Allen Bottom Ash Piping Demolition	DEC Prod. - Fos - Allen - NC	248,386.15
DE Carolinas	CCS061264	CS6 BH Bag & Frame Replacement	Elec - Steam Production Plant	CS6 BH Bag & Frame Replacement	DEC Prod. - Fos - Cliffsid 6 - NC	237,844.90
DE Carolinas	CBC000858	Coal Handling Underground Pipe- N	Elec - Steam Production Plant	Coal Handling Underground Pipe Repl- North	DEC Prod. - Fos - Belews Crk - NC	236,905.51

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS051227	AS5 LP Generator Field Rewind	Elec - Steam Production Plant	AS5 LP Generator Field Rewind	DEC Prod. - Fos - Allen - NC	226,589.75
DE Carolinas	CRB001288	Ash Basin Closure	Elec - Steam Production Plant	Ash Basin Closure	DEC Prod. - Fos - Riverbend - NC	220,453.33
DE Carolinas	CMS030195	MS3 CrossoMSver Ppg Repair EMERGENT	Elec - Steam Production Plant	MS3 Crossover pipe failure investigation and repair. Expedited replacement of one failed 72" expansion joint.	DEC Prod. - Fos - Marshall - NC	217,093.03
DE Carolinas	CCS00227	CS U1-4 Transformers Removal	Elec - Steam Production Plant	Cliffside U1-4 GSU Transformers Removal	DEC Prod. - Fos - Cliffsid 1-4 - NC	216,662.01
DE Carolinas	CMS041378	MS4 SFIP Turbine Row Replacement	Elec - Steam Production Plant	MS4 SFIP Turbine Row Replacement	DEC Prod. - Fos - Marshall - NC	211,780.90
DE Carolinas	CCS560122	Cliffside BA Piping Demo.	Elec - Steam Production Plant	Cliffside Bottom Ash Piping Demo	DEC Prod. - Fos - Cliff 5&6 Com -NC	211,593.11
DE Carolinas	CBCVLV019	2019 Misc Valve Blanket	Elec - Steam Production Plant	2019 Misc Valve Blanket	DEC Prod. - Fos - Belews Crk - NC	207,768.07
DE Carolinas	CMS000744	HCAD - Dumper Bldg Washdown and Vac	Elec - Steam Production Plant	HCAD - Dumper Bldg Washdown and Vac	DEC Prod. - Fos - Marshall - NC	203,217.62
DE Carolinas	CBC010062	Replace 1-BU-207	Elec - Steam Production Plant	Replace 1-BU-207	DEC Prod. - Fos - Belews Crk - NC	199,708.53
DE Carolinas	CMS040097	U4A Booster Fan Rotor Replace 2018	Elec - Steam Production Plant	Replace Unit 4A Booster Fan Rotor	DEC Prod. - Fos - Marshall - NC	188,764.49
DE Carolinas	CMS000722	MS1&2 Primary Hydrocyclone Repl	Elec - Steam Production Plant	Replacement of the MS1&2 FGD primary hydrocyclone.	DEC Prod. - Fos - Marshall - NC	180,019.07
DE Carolinas	CMS031337	MS3 Capital CRV Valves	Elec - Steam Production Plant	MS3 Capital CRV Valves	DEC Prod. - Fos - Marshall - NC	179,348.82
DE Carolinas	CBC010127	Replace ESP Inlet Expansion Joint	Elec - Steam Production Plant	Replace ESP Inlet Expansion Joint	DEC Prod. - Fos - Belews Crk - NC	172,907.47
DE Carolinas	CBC000758	HCA Dust,BC, Srg Bin Struct. Rep	Elec - Steam Production Plant	HCA Dust,BC, Srg Bin Struct. Rep	DEC Prod. - Fos - Belews Crk - NC	166,838.40
DE Carolinas	CAS050030	Repair/Replace Bunker Beam	Elec - Steam Production Plant	Repair/Replace Fallen Bunker Beam (Structural Support Beam)	DEC Prod. - Fos - Allen - NC	162,892.57
DE Carolinas	CBC010161	1B BFP Replace Element&Mach Barrel	Elec - Steam Production Plant	1B BFP Replace Element&Mach Barrel	DEC Prod. - Fos - Belews Crk - NC	158,786.35
DE Carolinas	CMS030035	L4 and R4 retract replacement	Elec - Steam Production Plant	Replacement of L4 and R4 retract soot blowers	DEC Prod. - Fos - Marshall - NC	154,407.78
DE Carolinas	CMSCM1227	MS Dry Bottom Ash System Conversion	Elec - Steam Production Plant	Marshall Dry Bottom Ash System Conversion	DEC Prod. - Fos - Marshall - NC	154,131.17
DE Carolinas	CMS040053	MS4 Alterrex rotor replacement	Elec - Steam Production Plant	Purchase new Alterrex Rotor and install.	DEC Prod. - Fos - Marshall - NC	142,323.07
DE Carolinas	CBC010339	1A Booster Fan Motor Replacement	Elec - Steam Production Plant	1A Booster Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	140,931.29
DE Carolinas	CMS031352	MS3 4kV Relay System	Elec - Steam Production Plant	MS3 4kV Relay System	DEC Prod. - Fos - Marshall - NC	140,598.13
DE Carolinas	CBC010455	Relocate Piping, Repl Vlvs "B" FWHS	Elec - Steam Production Plant	Relocate Piping, Repl Vlvs "B" FWHS	DEC Prod. - Fos - Belews Crk - NC	138,296.82
DE Carolinas	RMS021210	Remove - PPIP	Elec - Steam Production Plant	Remove - PPIP	DEC Prod. - Fos - Marshall - NC	136,844.52
DE Carolinas	CBC000073	BC - Install Rack/Pinion Elevator	Elec - Steam Production Plant	BC - Install Rack/Pinion Elevator	DEC Prod. - Fos - Belews Crk - NC	135,110.62
DE Carolinas	CBC000485	HCAD Remove Abandon Samp. Equip	Elec - Steam Production Plant	HCAD Remove Abandon Samp. Equip	DEC Prod. - Fos - Belews Crk - NC	132,547.71
DE Carolinas	CBC010511	1-2 Mill Convt to Static Classifier	Elec - Steam Production Plant	1-2 Mill Convt to Static Classifier	DEC Prod. - Fos - Belews Crk - NC	131,859.35
DE Carolinas	CMS000285	SW / PW Reroute	Elec - Steam Production Plant	Storm Water / Process Water Reroute required to comply with the CCR rule issued by the EPA	DEC Prod. - Fos - Marshall - NC	128,976.35
DE Carolinas	CMS000253	MS SPCC Drain Updates	Elec - Steam Production Plant	MS SPCC Drain Updates	DEC Prod. - Fos - Marshall - NC	122,588.36
DE Carolinas	CBC020334	'18 Booster Fan Rotor Replacement	Elec - Steam Production Plant	'18 Booster Fan Rotor Replacement	DEC Prod. - Fos - Belews Crk - NC	122,268.49
DE Carolinas	ALS001247	Lee Asbestos Abatement	Elec - Steam Production Plant	Lee Asbestos Abatement RWIP Only	DEC Prod. - Fos - Lee - SC	121,579.37
DE Carolinas	CBC010402	BC01 Mill Pyrite Tanks Removal	Elec - Steam Production Plant	BC01 Mill Pyrite Tanks Removal	DEC Prod. - Fos - Belews Crk - NC	119,700.36
DE Carolinas	CBC020224	BC02 Fall2018 HEP Inspct & Insulati	Elec - Steam Production Plant	BC02 Fall2018 HEP Inspct & Insulati	DEC Prod. - Fos - Belews Crk - NC	118,577.97

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CBC000011	BC Syn Cap on Str Landfill-CAP	Elec - Steam Production Plant	BC Synthetic Cap on Structural Landfill-CAP	DEC Prod. - Fos - Belews Crk - NC	111,365.15
DE Carolinas	CMS030100	U3B Booster Fan Replace	Elec - Steam Production Plant	U3B Booster Fan Replace	DEC Prod. - Fos - Marshall - NC	110,527.32
DE Carolinas	CBC020304	Reloc Pipe, Repl Vlvs U2 "B" FWH	Elec - Steam Production Plant	Reloc Pipe, Repl Vlvs U2 "B" FWH	DEC Prod. - Fos - Belews Crk - NC	105,352.04
DE Carolinas	CMS001441	Replace E Ash Line	Elec - Steam Production Plant	Replace E Ash Line	DEC Prod. - Fos - Marshall - NC	104,538.71
DE Carolinas	CMS011369	Replace Unit 1 Booster Fan Rotor	Elec - Steam Production Plant	Replace Unit 1 Booster Fan Rotor	DEC Prod. - Fos - Marshall - NC	102,453.32
DE Carolinas	CBC020106	BC02 Basement & Mezz Floor Lighting	Elec - Steam Production Plant	BC02 Basement & Mezz Floor Lighting	DEC Prod. - Fos - Belews Crk - NC	100,335.21
DE Carolinas	RBC011289	BC1 Wtr Wall Tube Replace.-REM	Elec - Steam Production Plant	BC1 Water Wall Tube Replacement-REM	DEC Prod. - Fos - Belews Crk - NC	98,592.93
DE Carolinas	CBC000792	Belews Creek Used Oil Tank	Elec - Steam Production Plant	Retire used oil tank removed from service. Tank capacity ~3000 gal	DEC Prod. - Fos - Belews Crk - NC	97,785.34
DE Carolinas	CCBC150	CCP BC-150 Belews Creek Outfall 006	Elec - Steam Production Plant	CCP Belews Creek Outfall 006 (BC-150): Installation of a new outfall/spillway at the Belews Creek site.	DEC Prod. - Fos - Belews Crk - NC	93,810.82
DE Carolinas	CBC000860	Place Plant Microwave system	Elec - Steam Production Plant	Place Plant Microwave system	DEC Prod. - Fos - Belews Crk - NC	92,857.39
DE Carolinas	CBC000707	Replace Track 5	Elec - Steam Production Plant	Replace Track 5	DEC Prod. - Fos - Belews Crk - NC	87,500.00
DE Carolinas	CMS001332	MS Repl B Side Mag Separator	Elec - Steam Production Plant	Replace B Side Mag Separator	DEC Prod. - Fos - Marshall - NC	84,789.58
DE Carolinas	CBC000744	PSM Safe Havens - Belews Creek	Elec - Steam Production Plant	PSM Safe Havens - Belews Creek	DEC Prod. - Fos - Belews Crk - NC	83,728.40
DE Carolinas	CBC011360	FGD 1B Booster Fan Rebuild	Elec - Steam Production Plant	FGD 1B Booster Fan Rebuild	DEC Prod. - Fos - Belews Crk - NC	83,482.00
DE Carolinas	CMS040133	M4 SH and RH Temperature Cable Repl	Elec - Steam Production Plant	M4 SH and RH Temperature Cable Repl	DEC Prod. - Fos - Marshall - NC	80,938.96
DE Carolinas	CBC020028	2A FD Fan Motor Replacement	Elec - Steam Production Plant	2A FD Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	79,751.96
DE Carolinas	CBC011493	U1 Burner Air Reg. Drive Rep.	Elec - Steam Production Plant	Unit 1 Burner Air Register Drive Replacement	DEC Prod. - Fos - Belews Crk - NC	79,329.00
DE Carolinas	CBC020022	2A PA Fan Motor Replacement	Elec - Steam Production Plant	2A PA Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	78,652.08
DE Carolinas	CBC010487	U1 Ovation Evergreen	Elec - Steam Production Plant	U1 Ovation Evergreen	DEC Prod. - Fos - Belews Crk - NC	78,564.20
DE Carolinas	CBC010528	1-7 Mill Rotating Classifier	Elec - Steam Production Plant	1-7 Mill Rotating Classifier	DEC Prod. - Fos - Belews Crk - NC	78,369.49
DE Carolinas	CBC000813	FGD & WWT Evergreen	Elec - Steam Production Plant	FGD & WWT Evergreen	DEC Prod. - Fos - Belews Crk - NC	76,872.92
DE Carolinas	CAS040057	Replace one U4 TWS	Elec - Steam Production Plant	Replace one U4 Traveling Water Screen	DEC Prod. - Fos - Allen - NC	76,542.57
DE Carolinas	CCS560087	FGD A Ball Mill Reline	Elec - Steam Production Plant	Ball Mill has operated for 7 years and internal components are at end of life.	DEC Prod. - Fos - Cliff 5&6 Com -NC	76,417.60
DE Carolinas	CBC000401	Replace C Air Compressor	Elec - Steam Production Plant	Replace C Air Compressor	DEC Prod. - Fos - Belews Crk - NC	73,397.16
DE Carolinas	CMS010267	OPTIM ST Valve SV-TV MS01	Elec - Steam Production Plant	Unit 1 Main Stop Valves (MSVs) Assemblies Changeout	DEC Prod. - Fos - Marshall - NC	72,951.88
DE Carolinas	CBC021376	2012 2B FGD Booster Fan Rebuil	Elec - Steam Production Plant	2012 2B FGD Booster Fan Rebuil	DEC Prod. - Fos - Belews Crk - NC	72,399.00
DE Carolinas	CBC011357	FGD 1A Booster Fan Rebuild	Elec - Steam Production Plant	FGD 1A Booster Fan Rebuild	DEC Prod. - Fos - Belews Crk - NC	71,874.00
DE Carolinas	CBC010536	BC01 Absorber Mist Eliminators Repl	Elec - Steam Production Plant	BC01 Absorber Mist Eliminators Repl	DEC Prod. - Fos - Belews Crk - NC	71,868.15
DE Carolinas	CBC010309	BC01 Service Water Pipe Replacement	Elec - Steam Production Plant	BC01 Service Water Pipe Replacement	DEC Prod. - Fos - Belews Crk - NC	71,597.56
DE Carolinas	CBC010113	BC01Replace Cross-over Expansion Jt	Elec - Steam Production Plant	BC01Replace Cross-over Expansion Jt	DEC Prod. - Fos - Belews Crk - NC	70,251.34
DE Carolinas	CMS010219	U1 CV Repl Fall 2016	Elec - Steam Production Plant	U1 CV Repl Fall 2016	DEC Prod. - Fos - Marshall - NC	69,049.35
DE Carolinas	CBC010438	BC01 Boiler Casing Replacement	Elec - Steam Production Plant	BC01 Boiler Casing Replacement	DEC Prod. - Fos - Belews Crk - NC	66,802.33
DE Carolinas	CBC010607	Rewind 1B CCW Motor	Elec - Steam Production Plant	Rewind 1B CCW Motor	DEC Prod. - Fos - Belews Crk - NC	66,579.34

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CBC020360	BC02 Absorber Mist Eliminator Repl.	Elec - Steam Production Plant	BC02 Absorber Mist Eliminator Repl.	DEC Prod. - Fos - Belews Crk - NC	66,478.65
DE Carolinas	CBC010510	BC01 Bottom Ash PLC to Ovation	Elec - Steam Production Plant	BC01 Bottom Ash PLC to Ovation	DEC Prod. - Fos - Belews Crk - NC	65,070.05
DE Carolinas	CBC010112	BC01 Main Turb. EHC Sys Replacement	Elec - Steam Production Plant	BC01 Main Turb. EHC Sys Replacement	DEC Prod. - Fos - Belews Crk - NC	64,558.85
DE Carolinas	CMS000156	CCP - Marshall DFA Reliability	Elec - Steam Production Plant	Marshall Dry Fly Ash (DFA) System Evaluation & Redundancy.	DEC Prod. - Fos - Marshall - NC	63,694.66
DE Carolinas	CMS030162	MS3 A and B APH Trunnion Repl	Elec - Steam Production Plant	Replace the APH guide bearing/trunnion and air seal on 3A and 3B APH	DEC Prod. - Fos - Marshall - NC	63,187.05
DE Carolinas	CMS030068	Rebuild/Replace 3A BCP - 2019 - cap	Elec - Steam Production Plant	Rebuild/Replace 3A BCP - 2019 - capital	DEC Prod. - Fos - Marshall - NC	61,305.23
DE Carolinas	CMS020092	U2 Burners and Air Tips for MATS In	Elec - Steam Production Plant	U2 Burners and Air Tips for MATS Insp,	DEC Prod. - Fos - Marshall - NC	61,261.91
DE Carolinas	CBC020341	Repl "A" FWH Desup Drn Lines	Elec - Steam Production Plant	Repl "A" FWH Desup Drn Lines	DEC Prod. - Fos - Belews Crk - NC	60,801.64
DE Carolinas	CBC000924	Maintenance Restroom Rennovation	Elec - Steam Production Plant	Maintenance Restroom Rennovation	DEC Prod. - Fos - Belews Crk - NC	60,394.99
DE Carolinas	CBC021541	Replace 2-RC-1 and Expansion Joint	Elec - Steam Production Plant	Replace 2-RC-1 and Expansion Joint	DEC Prod. - Fos - Belews Crk - NC	58,323.50
DE Carolinas	CMS000583	LCI 1 & 2 Chiller Replacement	Elec - Steam Production Plant	replacement of the condensing units CU-1 and CU-2) and the AHU coils (AHU-1 and AHU-2) on the roof of the ID Fan LCI Variable Speed Drive Room with more modern units that would require less maintenance.	DEC Prod. - Fos - Marshall - NC	57,171.64
DE Carolinas	CAS051250	Booster Fan Rotor Unit 5	Elec - Steam Production Plant	Booster Fan Rotor Unit 5	DEC Prod. - Fos - Allen - NC	57,156.44
DE Carolinas	CBC020354	U2 Ovation Evergreen	Elec - Steam Production Plant	U2 Ovation Evergreen	DEC Prod. - Fos - Belews Crk - NC	56,981.79
DE Carolinas	CBC010249	Replace 1-RC-3 & Expansion Joint	Elec - Steam Production Plant	Replace 1-RC-3 & Expansion Joint	DEC Prod. - Fos - Belews Crk - NC	56,819.01
DE Carolinas	CLS000104	WS Lee 0 - ScreenRoomCrane Controls	Elec - Steam Production Plant	WS Lee 0 - ScreenRoomCrane Controls	DEC Prod. - Fos - Lee - SC	56,406.56
DE Carolinas	CBC010075	2017 BC1 Booster Fan Overhaul	Elec - Steam Production Plant	2017 BC1 Booster Fan Overhaul	DEC Prod. - Fos - Belews Crk - NC	55,158.84
DE Carolinas	CCBCGYP	CCP Gypsum Pad Replacement	Elec - Steam Production Plant	Because the concrete is failing in areas around the scales we will need to demo a 20' x 20' area, install a geo fabric and stone base, repour concrete 12" with rebar. We will also need to utilize tempory scales for sales operations during the duration of this project.	DEC Prod. - Fos - Belews Crk - NC	53,736.82
DE Carolinas	CBC010608	Booster Fan Insulation Replacement	Elec - Steam Production Plant	Booster Fan Insulation Replacement	DEC Prod. - Fos - Belews Crk - NC	53,551.46
DE Carolinas	CAS000629	Sulfuric Acid Tank	Elec - Steam Production Plant	Sulfuric Acid Tank	DEC Prod. - Fos - Allen - NC	52,621.57
DE Carolinas	CASCM0025	ABS3 AR Pump Suction VLV Seat	Elec - Steam Production Plant	ABS3 AR Pump Suctio VLV Seat	DEC Prod. - Fos - Allen - NC	52,332.59
DE Carolinas	CBC000212	HCAD Turbine/Boiler/#6 Blt Rm Wind	Elec - Steam Production Plant	HCAD Turbine/Boiler/#6 Blt Rm Wind	DEC Prod. - Fos - Belews Crk - NC	51,814.89
DE Carolinas	CBC020232	2D FD Fan Motor Replacement	Elec - Steam Production Plant	2D FD Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	51,740.33
DE Carolinas	CBC020297	U2 NUVA Feeder PAH Replacement	Elec - Steam Production Plant	U2 NUVA Feeder PAH Replacement	DEC Prod. - Fos - Belews Crk - NC	51,378.28
DE Carolinas	CBC010420	BC01 HEP Inspection 2019	Elec - Steam Production Plant	BC01 HEP Inspection 2019 Insulation replacement	DEC Prod. - Fos - Belews Crk - NC	51,208.25

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS051271	AS05 Tier I SEL Relay Upgrade	Elec - Steam Production Plant	Upgrade (16) U5 Tier I Breaker Relays to SEL 710 Relays. Engineering for Drawings Perform Wiring Changes Perform continuity (point to point) wiring checks prior to putting into service. Simulate/source all affected I/O points to DCS during checkout. Perform functional checkout during/prior to start-up.  Boiler plant equipment. COMMON PLANT EQUIPMENT INSTRUMENTATION & CONTROL POWER CONTROL CENTER ALL RELAYS (480 VAC OR GREATER) C12-10181 No Materiality Threshold	DEC Prod. - Fos - Allen - NC	51,140.00
DE Carolinas	CBC010201	Coal Handling Reclaim PLC Repl	Elec - Steam Production Plant	Coal Handling Reclaim PLC Repl	DEC Prod. - Fos - Belews Crk - NC	49,995.93
DE Carolinas	CBC010052	2015 1B Booster Fan Replacement	Elec - Steam Production Plant	2015 1B Booster fan Replacement	DEC Prod. - Fos - Belews Crk - NC	48,053.00
DE Carolinas	CBCCM1216	Powerhouse Elevator Contrls Upgrade	Elec - Steam Production Plant	Powerhouse Elevator Contrls Upgrade	DEC Prod. - Fos - Belews Crk - NC	48,005.00
DE Carolinas	CBC010385	1-10 Mill Fire Damage - Restoration	Elec - Steam Production Plant	1-10 Mill Fire Damage - Restoration	DEC Prod. - Fos - Belews Crk - NC	47,433.64
DE Carolinas	CLS000061	WS Lee U0 Control Room PU Replaceme	Elec - Steam Production Plant	WS Lee U0 Control Room PU Replaceme	DEC Prod. - Fos - Lee - SC	47,310.39
DE Carolinas	CCS060118	CS06 A BFP Volute Replacement	Elec - Steam Production Plant	Change out unit 6 A boiler feed pump volute (rotating assembly) during spring 2019 outage.	DEC Prod. - Fos - Cliffsid 6 - NC	47,013.01
DE Carolinas	CAS001422	FGD T1 Transformer Trench Bushing R	Elec - Steam Production Plant	FGD T1 Transformer Trench Bushing R	DEC Prod. - Fos - Allen - NC	46,800.00
DE Carolinas	CBC010415	BC1 Burner Barrel Replacements 2019	Elec - Steam Production Plant	BC1 Burner Barrel Replacements 2019	DEC Prod. - Fos - Belews Crk - NC	46,352.05
DE Carolinas	MS041234C	U4Turbine CRV Valve Inspection	Elec - Steam Production Plant	U4Turbine CRV Valve Inspection	DEC Prod. - Fos - Marshall - NC	46,278.89
DE Carolinas	CCS560152	CS56 Butlerville Demo	Elec - Steam Production Plant	Demolition and removal of Butlerville modular units	DEC Prod. - Fos - Cliff 5&6 Com -NC	45,320.67
DE Carolinas	CBC010619	Repl 1-SF-2 Shaft	Elec - Steam Production Plant	Repl 1-SF-2 Shaft	DEC Prod. - Fos - Belews Crk - NC	44,331.42
DE Carolinas	CBC010618	Repl 1-SF-1 shaft	Elec - Steam Production Plant	Repl 1-SF-1 shaft	DEC Prod. - Fos - Belews Crk - NC	44,331.42
DE Carolinas	CAS040075	U4 GSU/Aux Cntrl Pnl Replacements	Elec - Steam Production Plant	U4 GSU/Aux Cntrl Pnl Replacements	DEC Prod. - Fos - Allen - NC	44,020.20



Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS041273	Allen U4 Transformer Differential R	Elec - Steam Production Plant	Install Transformer Differential Relays to Allen U4. This consists of (2) SEL 487E relays and (2) SEL 387A Relays.	DEC Prod. - Fos - Allen - NC	43,845.76
				COMMON PLANT EQUIPMENT SWITCHGEAR 4KV OR GREATER RELAY (EACH) COM-10243 No Materiality Threshold We currently have electro-mechanical relays which are obsolete. Also, Sel relays provide additional transformer protection and history to troubleshoot fault conditons.		
DE Carolinas	CAS030092	U3 GSU/Aux Cntrl Pnl Replacements	Elec - Steam Production Plant	U3 GSU/Aux Cntrl Pnl Replacements	DEC Prod. - Fos - Allen - NC	43,840.73
DE Carolinas	CBC000797	Install Reman "A" Air Compressor	Elec - Steam Production Plant	Install Reman "A" Air Compressor	DEC Prod. - Fos - Belews Crk - NC	41,779.04
DE Carolinas	CBC020230	2B FD Fan Motor Replacement	Elec - Steam Production Plant	2B FD Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	41,392.15
DE Carolinas	CBC020231	2C FD Fan Motor Replacement	Elec - Steam Production Plant	2C FD Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	41,266.01
DE Carolinas	CMS030054	U3 Main and Aux Trans Ctrl Pan Repl	Elec - Steam Production Plant	U3 Main and Auxiliary Transformers Control Panel Replacements	DEC Prod. - Fos - Marshall - NC	41,061.35
DE Carolinas	RBC011360	ROTOR RETIREMENT	Elec - Steam Production Plant	ROTOR RETIREMENT	DEC Prod. - Fos - Belews Crk - NC	40,616.00
DE Carolinas	CAS040086	AS4 Booster Fan Rotor Replacement	Elec - Steam Production Plant	AS4 Booster Fan Rotor Replacement	DEC Prod. - Fos - Allen - NC	40,445.73
DE Carolinas	CBC020239	2D Booster Fan Motor	Elec - Steam Production Plant	2D Booster Fan Motor	DEC Prod. - Fos - Belews Crk - NC	40,124.23
DE Carolinas	CBC020266	U2 2020 FGD Recycle Pump Repl	Elec - Steam Production Plant	U2 2020 FGD Recycle Pump Repl	DEC Prod. - Fos - Belews Crk - NC	39,327.94
DE Carolinas	CBC010294	Repl U1 RH Desuperheat Spray Valves	Elec - Steam Production Plant	Repl U1 RH Desuperheat Spray Valves	DEC Prod. - Fos - Belews Crk - NC	38,612.87
DE Carolinas	CBC010583	Burner Replacement	Elec - Steam Production Plant	Burner Replacement	DEC Prod. - Fos - Belews Crk - NC	38,071.32
DE Carolinas	CBC020229	2B PA Fan Motor Replacement	Elec - Steam Production Plant	2B PA Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	38,058.60
DE Carolinas	CAS000575	HCAD 2A/4/5A Transfer System	Elec - Steam Production Plant	HCAD 2A/4/5A Transfer System	DEC Prod. - Fos - Allen - NC	37,574.38
DE Carolinas	AMS001267	Asbestos Abatement	Elec - Steam Production Plant	REMOVE-Asbestos Abatement - Blanket RWIP Only	DEC Prod. - Fos - Marshall - NC	36,847.33
DE Carolinas	CAS040017	Unit 4 Riffler Change Out	Elec - Steam Production Plant	Unit 4 Riffler Change Out	DEC Prod. - Fos - Allen - NC	36,254.84
DE Carolinas	RBC011357	ROTOR RETIREMENT	Elec - Steam Production Plant	ROTOR RETIREMENT	DEC Prod. - Fos - Belews Crk - NC	36,138.00
DE Carolinas	CBC000913	ICE Room HVAC Replacement	Elec - Steam Production Plant	ICE Room HVAC Replacement	DEC Prod. - Fos - Belews Crk - NC	36,090.00
DE Carolinas	CBC020405	Replace 2-BR-22 Safety Relief Valve	Elec - Steam Production Plant	Replace 2-BR-22 Safety Relief Valve	DEC Prod. - Fos - Belews Crk - NC	35,452.32
DE Carolinas	CAS051240	Replace AS5 Mill Feeder	Elec - Steam Production Plant	Replace AS5 Mill Feeder	DEC Prod. - Fos - Allen - NC	35,139.78
DE Carolinas	CBC021536	Relay Upgrade for 7kV Switchgear	Elec - Steam Production Plant	Relay Upgrade for 7kV Switchgear	DEC Prod. - Fos - Belews Crk - NC	34,289.00
DE Carolinas	CBC011442	Rep. Feed. Pip. Mill Inlet 5 U1 M	Elec - Steam Production Plant	Replace Feeder Pipe Mill Inlet on 5 Unit 1 Mills	DEC Prod. - Fos - Belews Crk - NC	33,919.00

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS000187	AS00 Diesel Fuel Tank	Elec - Steam Production Plant	The existing diesel fuel system has been abandoned. The dozers and locomotives require diesel fuel. This project includes installing a 30,000 gallon diesel tank with 3 refueling stations - 2 for the dozers, and 1 for the locomotive. The diesel tank will also have a secondary concrete containment.	DEC Prod. - Fos - Allen - NC	33,420.29
DE Carolinas	CMS021355	Replace Marshall U2 Plant Batteries	Elec - Steam Production Plant	Replace Marshall U2 Plant Batteries	DEC Prod. - Fos - Marshall - NC	33,268.44
DE Carolinas	CAS000579	HCAD 2B/4/5B Transfer Conveyor Sys	Elec - Steam Production Plant	HCAD 2B/4/5B Transfer Conveyor Sys	DEC Prod. - Fos - Allen - NC	33,191.56
DE Carolinas	CBC020303	U2 Bottom Ash Piping/Header Repl	Elec - Steam Production Plant	U2 Bottom Ash Piping/Header Repl	DEC Prod. - Fos - Belews Crk - NC	32,526.15
DE Carolinas	CMS041406	Replace U4 ESOP Starter	Elec - Steam Production Plant	Replace U4 ESOP Starter	DEC Prod. - Fos - Marshall - NC	32,424.02
DE Carolinas	CCS060112	CS06 B BFP Volute Replacement	Elec - Steam Production Plant	Change out unit 6 B boiler feed pump volute (rotating assembly) during fall 2018 outage.	DEC Prod. - Fos - Cliffsid 6 - NC	32,254.82
DE Carolinas	CBC020408	Replace BU-200-2 seat rings	Elec - Steam Production Plant	Replace BU-200-2 seat rings	DEC Prod. - Fos - Belews Crk - NC	32,250.00
DE Carolinas	CMS020043	Unit 2 FD Fan Motors Rewind	Elec - Steam Production Plant	Unit 2 FD Fan Motors Rewind	DEC Prod. - Fos - Marshall - NC	32,100.00
DE Carolinas	DMS000475	MS3B Stator Clng Pump Mtr Fdrs	Elec - Steam Production Plant	Change MS 3B Stator Cooling Pump Motor Feeders	DEC Prod. - Fos - Marshall - NC	31,956.37
DE Carolinas	CAS040101	U4 Turbine Sump Pump	Elec - Steam Production Plant	U4 Turbine Sump Pump	DEC Prod. - Fos - Allen - NC	31,829.32
DE Carolinas	CBC000036	Reclaim Sump Pump Discharge Line	Elec - Steam Production Plant	Reclaim Sump Pump Discharge Line	DEC Prod. - Fos - Belews Crk - NC	31,574.28
DE Carolinas	CBC000633	PSM NH3 Detectors in TRV Vent Lines	Elec - Steam Production Plant	PSM NH3 Detectors in TRV Vent Lines	DEC Prod. - Fos - Belews Crk - NC	31,548.02
DE Carolinas	CBC010469	U1 250VDC Dist. Cntr. Replacement	Elec - Steam Production Plant	U1 250VDC Dist. Cntr. Replacement	DEC Prod. - Fos - Belews Crk - NC	31,375.63
DE Carolinas	CBC021377	2C FGD Booster Fan Replacement 2014	Elec - Steam Production Plant	2C FGD Booster Fan Replacement 2014	DEC Prod. - Fos - Belews Crk - NC	30,724.03
DE Carolinas	CBC001405	BC00 Pulv. Mills Capital 2014	Elec - Steam Production Plant	BC00 Pulv. Mills Capital 2014	DEC Prod. - Fos - Belews Crk - NC	30,385.80
DE Carolinas	CCS6CV19	2019 Misc Valve Blanket	Elec - Steam Production Plant	Unit 6 Misc. Valves - Blanket Project	DEC Prod. - Fos - Cliffsid 6 - NC	29,854.68
DE Carolinas	CCS050110	BLDG RMVL for Retired VFD	Elec - Steam Production Plant	This project will be to remove the building for the retired VFD's at U5. This building is located near the administration building beside of the Booster fans.	DEC Prod. - Fos - Cliffsid 5 - NC	29,825.07
DE Carolinas	CCS060087	CS06 - Condenser DogBone Rlpc	Elec - Steam Production Plant	This project will replace both the HP and LP Dog Bone Expansion Joints in the Unit 6 main condenser.	DEC Prod. - Fos - Cliffsid 6 - NC	29,680.00
DE Carolinas	CBC010460	Replace U1 FGD Abs Tnk Agitators	Elec - Steam Production Plant	Replace U1 FGD Abs Tnk Agitators	DEC Prod. - Fos - Belews Crk - NC	28,682.45
DE Carolinas	CBC011534	BC01 FGD System Upgrade	Elec - Steam Production Plant	BC01 FGD System Upgrade	DEC Prod. - Fos - Belews Crk - NC	28,652.39
DE Carolinas	CBC011522	BC01 FGD Recycle Pump Rebuild	Elec - Steam Production Plant	BC01 FGD Recycle Pump Rebuild	DEC Prod. - Fos - Belews Crk - NC	28,632.51
DE Carolinas	RNEWGEND	New Gen Distribution Retirement	Elec - Steam Production Plant	New Gen Distribution Retirement	DEC Prod. - Fos - Cliffsid 6 - NC	28,545.87
DE Carolinas	CCS060129	CS06 - EJ13 EJ32 & EJ20 Rplc	Elec - Steam Production Plant	Expansion joints EJ13 EJ32 and EJ20 have holes in them and will need to be replaced.	DEC Prod. - Fos - Cliffsid 6 - NC	28,288.68
DE Carolinas	CBC020331	BC02 Turbine Steam Piping Repl	Elec - Steam Production Plant	BC02 Turbine Steam Piping Repl	DEC Prod. - Fos - Belews Crk - NC	28,025.75
DE Carolinas	CBC000688	Replace Asbestos Floor Tile	Elec - Steam Production Plant	Replace Asbestos Floor Tile	DEC Prod. - Fos - Belews Crk - NC	27,791.00

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CMS001435	Replc MS Sulfuric Acid Tank	Elec - Steam Production Plant	Replc MS Sulfuric Acid Tank	DEC Prod. - Fos - Marshall - NC	27,655.68
DE Carolinas	CCS05098L	Replace turbine lighting	Elec - Steam Production Plant	Replace existing turbine bay lighting fixtures with new LED lighting fixtures. Work to include conduit modifications to match new light fixtures.	DEC Prod. - Fos - Cliffsid 5 - NC	27,651.55
DE Carolinas	CAS040084	U4 Sump Discharge Line	Elec - Steam Production Plant	U4 Sump Discharge Line	DEC Prod. - Fos - Allen - NC	27,608.85
DE Carolinas	CBC000798	CCP BC Force Main Replacement	Elec - Steam Production Plant	Remove approximately 335' of the existing Craig Rd Landfill leachate force main pipe (6-inch diameter HDPE SDR-17) and replace with a dual contained (6" carrier pipe & 10" containment pipe) HDPE force main with heat trace. 2 precast leak detection vaults will be set on both end of the tie-in of the replacement section to the existing force main to establish passive leak detection during operations. All new joints (carrier pipe, containment pipe, & tie-in to existing) of the dual contain force main will be pressure tested for leaks before putting into service.	DEC Prod. - Fos - Belews Crk - NC	25,996.55
DE Carolinas	CBC000711	Repl Misc Capital Components	Elec - Steam Production Plant	Repl Misc Capital Components	DEC Prod. - Fos - Belews Crk - NC	25,941.34
DE Carolinas	CAS021241	Booster Fan Rotor Replacement	Elec - Steam Production Plant	Booster Fan Rotor Replacement	DEC Prod. - Fos - Allen - NC	25,933.74
DE Carolinas	CCS061288	U6 Bottom Ash SFC Chain & Flight	Elec - Steam Production Plant	U6 Bottom Ash SFC Chain & Flight Replacement	DEC Prod. - Fos - Cliffsid 6 - NC	25,876.11
DE Carolinas	CBC010289	Replace 1-CR-11 Valve	Elec - Steam Production Plant	Replace 1-CR-11 Valve	DEC Prod. - Fos - Belews Crk - NC	25,738.85
DE Carolinas	CMS031399	Bad U3 MCEMS Umbilical Cable	Elec - Steam Production Plant	INSTALL REMOVE Bad U3 MCEMS Umbilical Cable	DEC Prod. - Fos - Marshall - NC	25,684.52
DE Carolinas	CCS050098	CS05 Rplc HP Cond EJ	Elec - Steam Production Plant	Remove and replace the Unit 5 HP condenser Expansion joint.	DEC Prod. - Fos - Cliffsid 5 - NC	25,050.73
DE Carolinas	CBC021532	2D Booster Fan Emergent Rotor Repl	Elec - Steam Production Plant	2D Booster Fan Emergent Rotor Repl 2014 outage	DEC Prod. - Fos - Belews Crk - NC	24,320.73
DE Carolinas	CBC010326	HCAD 7A 7B 7C 7D Trip Room drains	Elec - Steam Production Plant	HCAD 7A 7B 7C 7D Trip Room drains	DEC Prod. - Fos - Belews Crk - NC	24,129.38
DE Carolinas	CCS051491	U5 Burner Tip Replacement	Elec - Steam Production Plant	U5 Burner Tip Replacement	DEC Prod. - Fos - Cliffsid 5 - NC	23,868.30
DE Carolinas	CCS050037	CS05 Booster Fan Rotor Replacement	Elec - Steam Production Plant	2016 U5 B BOOSTER FAN REPLACEMENT	DEC Prod. - Fos - Cliffsid 5 - NC	22,938.36
DE Carolinas	CBC020139	2A ID Fan Motor	Elec - Steam Production Plant	2A ID Fan Motor	DEC Prod. - Fos - Belews Crk - NC	22,937.88
DE Carolinas	CMS000819	MS SPCC Drain Updates - Phase 2	Elec - Steam Production Plant	MS SPCC Drain Updates - Phase 2	DEC Prod. - Fos - Marshall - NC	22,882.43

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS041269	AS04 Tier I SEL Relay Upgrade	Elec - Steam Production Plant	Upgrade (16) U4 Tier I Breaker Multilin 369 Relays to SEL 710 Relays. Update all affected drawings. Perform continuity (point to point) wiring checks prior to putting into service. Simulate/source all affected I/O points to DCS during checkout. Perform functional checkout during/prior to start-up. Boiler plant equipment. COMMON PLANT EQUIPMENT INSTRUMENTATION & CONTROL POWER CONTROL CENTER ALL RELAYS (480 VAC OR GREATER) C12-10181 No Materiality Threshold	DEC Prod. - Fos - Allen - NC	22,572.00
DE Carolinas	CBC010293	Replace 1-SD-1 (2017)	Elec - Steam Production Plant	Replace 1-SD-1 (2017)	DEC Prod. - Fos - Belews Crk - NC	22,188.57
DE Carolinas	CAS050045	Replace U5 Cond. Boot Seal	Elec - Steam Production Plant	Replace U5 Cond. Boot Seal	DEC Prod. - Fos - Allen - NC	22,145.77
DE Carolinas	CAS001433	I&E Shop Renovation	Elec - Steam Production Plant	I & E Shop Renovation	DEC Prod. - Fos - Allen - NC	22,121.00
DE Carolinas	CAS000581	HCAD 5A/6A Transfer Conveyor Repl	Elec - Steam Production Plant	HCAD 5A/6A Transfer Conveyor Repl	DEC Prod. - Fos - Allen - NC	22,074.90
DE Carolinas	CMS010248	MS1 MSV Replacement 2017	Elec - Steam Production Plant	Unit 1 Main Stop Valves (MSVs) Assemblies Changeout	DEC Prod. - Fos - Marshall - NC	21,841.85
DE Carolinas	CCS050042	CS5 Absorber New Mist Eliminator	Elec - Steam Production Plant	Complete replacement of Unit 5 Absorber mist eliminator sections. Material by Muenters. TEI to install. Replace before have unplanned failure as happened on Unit 6 absorber.	DEC Prod. - Fos - Cliffsid 5 - NC	21,204.09
DE Carolinas	CAS030075	Replace one U3 TWS	Elec - Steam Production Plant	Replace one U3 Traveling Water Screen	DEC Prod. - Fos - Allen - NC	21,203.55
DE Carolinas	CCS060107	Unit 6 A,D FGD ARP reline	Elec - Steam Production Plant	Ceramic reline A,D absorber recycle pump with new ceramic lining which has been utilized on B, C and E. Weir (OEM) to provide lining, casing, seal and labor.	DEC Prod. - Fos - Cliffsid 6 - NC	20,771.99
DE Carolinas	CCS560049	B Ball Mill Lifting Bar Replacement	Elec - Steam Production Plant	Total lifting bar replacement in B ball mill on feed and discharge ends. Includes rubber shell plates held in place by lifting bars. Also includes all hardware and feed end plate two manhole door liners and all attached hardware. Also includes shell lining plates, bars and all hardware. Also includes labor to install.	DEC Prod. - Fos - Cliff 5&6 Com -NC	20,619.33
DE Carolinas	CMS000475	MS 4B Stator Cng Pump Mtr Fdrs	Elec - Steam Production Plant	Change MS 4B Stator Cooling Pump Motor Feeders	DEC Prod. - Fos - Marshall - NC	20,354.80
DE Carolinas	CBC020248	BC2 2018 IP Turbine Packing Repl't	Elec - Steam Production Plant	BC2 2018 IP Turbine Packing Repl't	DEC Prod. - Fos - Belews Crk - NC	20,297.12
DE Carolinas	CBC010283	U1 C HDP Motor Replacement	Elec - Steam Production Plant	U1 C HDP Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	20,255.00
DE Carolinas	CCS060096	CS06 - EJ15 & EJ16 Replc	Elec - Steam Production Plant	This project is to emergently replace EJ16 and EJ15. This is the inlet to the Primary air and Secondary Air Duct.	DEC Prod. - Fos - Cliffsid 6 - NC	19,856.34

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CBC020355	Replace 2-CR-8; Remove 2-CR-7	Elec - Steam Production Plant	Replace 2-CR-8; Remove 2-CR-7	DEC Prod. - Fos - Belews Crk - NC	19,513.87
DE Carolinas	MS021233C	MS02 Main Turbine Valve Scope	Elec - Steam Production Plant	MS02 Main Turbine Valve Scope	DEC Prod. - Fos - Marshall - NC	19,338.60
DE Carolinas	CAS001431	AS00 Turbine High Bay Lighting Repl	Elec - Steam Production Plant	AS00 Turbine High Bay Lighting Replacement	DEC Prod. - Fos - Allen - NC	19,041.33
DE Carolinas	CBC020233	2B ID Fan Motor	Elec - Steam Production Plant	2B ID Fan Motor	DEC Prod. - Fos - Belews Crk - NC	18,599.90
DE Carolinas	CBC020234	2C ID Fan Motor	Elec - Steam Production Plant	2C ID Fan Motor	DEC Prod. - Fos - Belews Crk - NC	18,599.90
DE Carolinas	CBC020236	2D ID Fan Motor	Elec - Steam Production Plant	2D ID Fan Motor	DEC Prod. - Fos - Belews Crk - NC	18,599.86
DE Carolinas	CBC010527	Replace 1-BR-24	Elec - Steam Production Plant	Replace 1-BR-24	DEC Prod. - Fos - Belews Crk - NC	18,573.03
DE Carolinas	CMS040091	Burners and Air Tips for MATS Insp.	Elec - Steam Production Plant	Burners and Air Tips for MATS Insp.	DEC Prod. - Fos - Marshall - NC	18,445.50
DE Carolinas	CAS010069	Replace one U1 TWS	Elec - Steam Production Plant	Replace one U1 Traveling Water Screen	DEC Prod. - Fos - Allen - NC	18,164.36
DE Carolinas	CCS060115	CS 6 F Pulverizer Journal Assembly	Elec - Steam Production Plant	Replacement of unit 6 F pulverizer journal/roll assemblies. Existing journals are worn and need to be replaced. Parts and installation by Riley Power.	DEC Prod. - Fos - Cliffsid 6 - NC	17,948.29
DE Carolinas	CAS030077	Replace one U3 TWS	Elec - Steam Production Plant	Replace one U3 Traveling Water Screen	DEC Prod. - Fos - Allen - NC	17,577.52
DE Carolinas	CBC020404	Replace U2 Booster Fan Exp. Joints	Elec - Steam Production Plant	Replace U2 Booster Fan Exp. Joints	DEC Prod. - Fos - Belews Crk - NC	17,548.87
DE Carolinas	MS021229C	Regulating Power Transformer	Elec - Steam Production Plant	Regulating Power Transformer	DEC Prod. - Fos - Marshall - NC	17,494.09
DE Carolinas	CBC021467	Transfer Tank Piping U2	Elec - Steam Production Plant	Transfer Tank Piping U2	DEC Prod. - Fos - Belews Crk - NC	17,326.52
DE Carolinas	CMS041324	MS4 4kV Relay System	Elec - Steam Production Plant	MS4 4kV Relay System	DEC Prod. - Fos - Marshall - NC	17,205.43
DE Carolinas	CMS010311	MS1 Pyrite Water Piping Replacement	Elec - Steam Production Plant	Replace 132 feet of pyrite water piping from 1A to 1E pulverizer with 6 inch diameter carbon steel pipe.	DEC Prod. - Fos - Marshall - NC	16,858.94
DE Carolinas	MS041230C	Allterex Rectifiers Replacement	Elec - Steam Production Plant	Allterex Rectifiers Replacement	DEC Prod. - Fos - Marshall - NC	16,557.21
DE Carolinas	CMS020105	Repl Key Interlock on #2 Precip	Elec - Steam Production Plant	Repl Key Interlock on #2 Precip	DEC Prod. - Fos - Marshall - NC	16,374.00
DE Carolinas	CAS020015	2A Pulverizer Rebuild	Elec - Steam Production Plant	2A Pulverizer Rebuild	DEC Prod. - Fos - Allen - NC	15,978.69
DE Carolinas	CBC010350	1B ID Fan Motor Replacement	Elec - Steam Production Plant	1B ID Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	15,964.38
DE Carolinas	CMS031326	Replace Ex.Dis. Valves Unit 3	Elec - Steam Production Plant	install removal Replace Ex.Dis. Valves Unit 3	DEC Prod. - Fos - Marshall - NC	15,962.95
DE Carolinas	CBC021425	U2 START UP VALVES	Elec - Steam Production Plant	U2 START UP VALVES	DEC Prod. - Fos - Belews Crk - NC	15,830.41
DE Carolinas	CMS010244	Turbine Crossover exp.joint replace	Elec - Steam Production Plant	MS1 Fall 2017 replacement of two 54" diameter turbine crossover expansion joints due to end of life of assets.	DEC Prod. - Fos - Marshall - NC	15,733.57
DE Carolinas	CCS56140	CS56 Replace MH Conv Belts - C4	Elec - Steam Production Plant	Projects funds the emergent replacement of C4, Gypsum Collector Conveyor, and Gypsum Stack Out Conveyor belts.	DEC Prod. - Fos - Cliff 5&6 Com -NC	15,579.00
DE Carolinas	CBC010623	Replace valve and actuator 1-HB-8	Elec - Steam Production Plant	Replace valve and actuator 1-HB-8	DEC Prod. - Fos - Belews Crk - NC	15,464.48
DE Carolinas	CBC000246	Rail Road Track Replace Track 3	Elec - Steam Production Plant	Rail Road Track Replace Track 3	DEC Prod. - Fos - Belews Crk - NC	15,270.00
DE Carolinas	CBC010351	1C ID Fan Motor Replacement	Elec - Steam Production Plant	1C ID Fan Motor Replacement	DEC Prod. - Fos - Belews Crk - NC	15,237.53
DE Carolinas	CBC020042	2015 2D Booster Fan Replacement	Elec - Steam Production Plant	2015 2D Booster Fan Replacement	DEC Prod. - Fos - Belews Crk - NC	15,126.60
DE Carolinas	CBC010364	BC01 SCWS Cooler Bundle Retube	Elec - Steam Production Plant	BC01 SCWS Cooler Bundle Retube	DEC Prod. - Fos - Belews Crk - NC	15,072.40
DE Carolinas	CCS560116	CS56 - Ovation Common Network	Elec - Steam Production Plant	5 Yr Controls Windows Upgrade	DEC Prod. - Fos - Cliff 5&6 Com -NC	15,009.97
DE Carolinas	CAS001224	Mill Gearset Replacements 2012	Elec - Steam Production Plant	Mill Gearset Replacements 2012	DEC Prod. - Fos - Allen - NC	15,000.00

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS040063	AS4 HP Gen Collector Ring Replaceme	Elec - Steam Production Plant	AS4 HP Gen Collector Ring Replacement	DEC Prod. - Fos - Allen - NC	14,996.34
DE Carolinas	CMS010104	U1 Main and Aux Trans Ctrl Pan Repl	Elec - Steam Production Plant	U1 Main and Auxiliary Transformers Control Panel Replacements	DEC Prod. - Fos - Marshall - NC	14,814.81
DE Carolinas	CMS010306	Repalce interlock on unit 1 precip	Elec - Steam Production Plant	Replace the interlock key system on unit 1 precipitator	DEC Prod. - Fos - Marshall - NC	14,739.80
DE Carolinas	CMSCM0024	Replace 'B' Ball Mill Liner	Elec - Steam Production Plant	'B' Ball Mill Liner and lifter bars are at end of life with really thin liner and must be replaced in order to continue using 'B' Ball mill without damaging the shell.	DEC Prod. - Fos - Marshall - NC	14,723.48
DE Carolinas	CBC010624	Replace valve and actuator 1-HA-7	Elec - Steam Production Plant	Replace valve and actuator 1-HA-7	DEC Prod. - Fos - Belews Crk - NC	14,433.55
DE Carolinas	CBC010625	Replace U1 NH3 equalizing valves	Elec - Steam Production Plant	Replace U1 NH3 equalizing valves	DEC Prod. - Fos - Belews Crk - NC	14,433.55
DE Carolinas	CASC00099	Replace 3C AR Pump Housing	Elec - Steam Production Plant	Replace 3C AR Pump Housing	DEC Prod. - Fos - Allen - NC	14,322.00
DE Carolinas	CAS001425	Replace 1B Belt and Components	Elec - Steam Production Plant	Replace 1B Belt and Components	DEC Prod. - Fos - Allen - NC	14,177.60
DE Carolinas	CCS060085	CS 6B Recycle Pump Upgrade	Elec - Steam Production Plant	Upgrade Cliffside 6 "B" Recycle Pump with ceramic lining including impeler and new bearing assembly.	DEC Prod. - Fos - Cliffsid 6 - NC	13,926.25
DE Carolinas	CBC010074	2016 BC Booster Fan Overhauls	Elec - Steam Production Plant	2016 BC Booster Fan Overhauls - Install/Remv Fan Rotating assembly	DEC Prod. - Fos - Belews Crk - NC	13,838.68
DE Carolinas	CCS060064	CS06 A&B PA Fan Outlet Exp Jnt Rplc	Elec - Steam Production Plant	Remove and replace the unit 6 A and B PA fan outlet expansion joint.	DEC Prod. - Fos - Cliffsid 6 - NC	13,728.18
DE Carolinas	CCS060135	A pulverizer roll wheel replacement	Elec - Steam Production Plant	A pulverizer tire has cracked laterally all the way through tire. All tires to be replace to maintain consistent wear profile.	DEC Prod. - Fos - Cliffsid 6 - NC	13,700.89
DE Carolinas	CCS050029	Replacing U5 ammonia safety showers	Elec - Steam Production Plant	Replacing U5 ammonia safety showers	DEC Prod. - Fos - Cliffsid 5 - NC	13,696.71
DE Carolinas	CAS041270	AS4 HP Turbine Seals Replacement	Elec - Steam Production Plant	Scope of Work Replacement of all HP Section turbine seals in each section of Allen Unit 4 during the 2015 major turbine inspection.	DEC Prod. - Fos - Allen - NC	13,340.88
DE Carolinas	CMS021303	U2 Mill Journals Re In 2011	Elec - Steam Production Plant	INSTALL REMOVE - U2 Mill Journals Re In 2011	DEC Prod. - Fos - Marshall - NC	13,120.29
DE Carolinas	CMS011376	Replace U1 Static Switches	Elec - Steam Production Plant	Replace U1 Static Switches	DEC Prod. - Fos - Marshall - NC	13,030.54
DE Carolinas	CBC020305	Replace old model Ovation PS	Elec - Steam Production Plant	Replace old model Ovation PS	DEC Prod. - Fos - Belews Crk - NC	12,969.83
DE Carolinas	CCS051424	2012 Lvl Ceramic Lined Burners	Elec - Steam Production Plant	2012 Lvl Ceramic Lined Burners	DEC Prod. - Fos - Cliffsid 5 - NC	12,753.41
DE Carolinas	CBC010457	Replace old model Ovation PS	Elec - Steam Production Plant	Replace old model Ovation PS	DEC Prod. - Fos - Belews Crk - NC	12,641.57
DE Carolinas	CMS000700	Replace Chlorine Gas Cylinder	Elec - Steam Production Plant	Marshall currently uses chlorine gas to treat drinking water. This project will remove this system and install a new sodium hypochlorite (bleach) injection system.	DEC Prod. - Fos - Marshall - NC	12,252.61
DE Carolinas	CBC001577	Crusher House Fire Detection & Prot	Elec - Steam Production Plant	Crusher House Fire Detection & Prot	DEC Prod. - Fos - Belews Crk - NC	12,216.00
DE Carolinas	CBC010268	U1 IPB Fan/Motor Upgrades	Elec - Steam Production Plant	U1 IPB Fan/Motor Upgrades	DEC Prod. - Fos - Belews Crk - NC	12,071.88

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS000583	HCAD 5B/6B Transfer System Repl	Elec - Steam Production Plant	HCAD 5B/6B Transfer System Repl	DEC Prod. - Fos - Allen - NC	12,045.89
DE Carolinas	CBC010481	U1 NH3 Tank Level Indicator Upgrade	Elec - Steam Production Plant	U1 NH3 Tank Level Indicator Upgrade	DEC Prod. - Fos - Belews Crk - NC	11,999.74
DE Carolinas	CCS050069	CS05-DCS Power Supply Replacement	Elec - Steam Production Plant	Cliffside Unit 5 DCS power supplies are at their end of life and need to be replaced as recommended by Emerson.	DEC Prod. - Fos - Cliffsid 5 - NC	11,791.73
DE Carolinas	CBC021496	2A Cond. Circ Water Pump Replace	Elec - Steam Production Plant	2A Condenser Circ Water (CCW) Pump Rotating Element Replacement	DEC Prod. - Fos - Belews Crk - NC	11,777.00
DE Carolinas	CMS030173	Sluice Gate Replacement-U3	Elec - Steam Production Plant	Sluice Gate Replacement-U3	DEC Prod. - Fos - Marshall - NC	11,527.91
DE Carolinas	CBC010620	Replace actuator 1-BU-240-2	Elec - Steam Production Plant	Replace actuator 1-BU-240-2	DEC Prod. - Fos - Belews Crk - NC	11,340.61
DE Carolinas	CBC010622	Replace actuator 1-BU-240-1	Elec - Steam Production Plant	Replace actuator 1-BU-240-1	DEC Prod. - Fos - Belews Crk - NC	11,340.61
DE Carolinas	CBC020143	2LXE Transformer Replacement	Elec - Steam Production Plant	2LXE Transformer Replacement	DEC Prod. - Fos - Belews Crk - NC	11,138.43
DE Carolinas	CAS041277	AS4 DFIP Turbine Seals Replacement	Elec - Steam Production Plant	AS4 DFIP Turbine Seals Replacement	DEC Prod. - Fos - Allen - NC	11,123.45
DE Carolinas	CMS010096	U1 SV Replacement S16	Elec - Steam Production Plant	U1 SV Replacement S16	DEC Prod. - Fos - Marshall - NC	10,799.40
DE Carolinas	CBC000334	BC00 Misc Expansion Joints	Elec - Steam Production Plant	BC00 Misc Expansion Joints	DEC Prod. - Fos - Belews Crk - NC	10,795.38
DE Carolinas	CCS060113	CS06, Quench Header Rplc	Elec - Steam Production Plant	Remove and replace the Cliffside Unit 6 quench header.	DEC Prod. - Fos - Cliffsid 6 - NC	10,610.40
DE Carolinas	CAS000439	Station Power Plant Lighting	Elec - Steam Production Plant	Station Power Plant Lighting Installation of LED lightws, Levels 1-4, all 5 Units	DEC Prod. - Fos - Allen - NC	10,607.86
DE Carolinas	CBC011276	BC1 CCW Cap Refurbish	Elec - Steam Production Plant	BC1 CCW Capital Refurbish	DEC Prod. - Fos - Belews Crk - NC	10,366.00
DE Carolinas	CAS040102	4SC Mill Gearbox Replacement	Elec - Steam Production Plant	4SC Mill Gearbox Replacement	DEC Prod. - Fos - Allen - NC	10,277.85
DE Carolinas	CBC010570	Belews Creek Unit 1 NoX Probes	Elec - Steam Production Plant	Belews Creek Unit 1 NoX Probes	DEC Prod. - Fos - Belews Crk - NC	10,140.92
DE Carolinas	CBC020081	U2 Replace 2-CR-3 (2017)	Elec - Steam Production Plant	U2 Replace 2-CR-3 (2017)	DEC Prod. - Fos - Belews Crk - NC	10,000.00
DE Carolinas	CBC000878	Plant Telcom Replacement	Elec - Steam Production Plant	Plant Telcom Replacement	DEC Prod. - Fos - Belews Crk - NC	9,943.98
DE Carolinas	CCS050056	CS05 - LED Light Fixture Install	Elec - Steam Production Plant	Will be replacing approximately 100 old light fixtures with LED fixtures.	DEC Prod. - Fos - Cliffsid 5 - NC	9,850.38
DE Carolinas	CBC020330	BC02 A CBP Motor Repl/Rewind	Elec - Steam Production Plant	BC02 A CBP Motor Repl/Rewind	DEC Prod. - Fos - Belews Crk - NC	9,273.07
DE Carolinas	ASCM1229C	Absorber Pump Impeller Replacement	Elec - Steam Production Plant	Replace the existing eroded absorber recycle pump impellers with new. Replacement includes all of rotating element (impeller, shaft, mechanical seals).	DEC Prod. - Fos - Allen - NC	9,186.97
				312 Boiler plant equipment. COMMON PLANT EQUIPMENT PUMPS (1,000 HP OR GREATER) ROTATING ELEMENT C12-10213		
				Funded from ASCM1229		
DE Carolinas	CMS031390	U3 Exhauster Fan Re In 2013	Elec - Steam Production Plant	install remove U3 Exhauster Fan Re In 2013	DEC Prod. - Fos - Marshall - NC	9,079.81

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CCS060039	CD Floor drains for U6 tripper room	Elec - Steam Production Plant	Install Floor drains for unit 6 tripper room to comply with combustible dust. CSHCAD0001	DEC Prod. - Fos - Cliffsid 6 - NC	9,070.29
DE Carolinas	CAS060020	1A/1B Tail Pulley Assy Repl	Elec - Steam Production Plant	1A/1B Tail Pulley Assy Repl	DEC Prod. - Fos - Allen - NC	9,001.70
DE Carolinas	CMS031371	MS3 EBOP Circuit Redesign	Elec - Steam Production Plant	INSTALL REMOVE MS3 EBOP Circuit Redesign	DEC Prod. - Fos - Marshall - NC	8,844.33
DE Carolinas	CBC000747	Sewage Lift Station Replacement	Elec - Steam Production Plant	Sewage Lift Station Replacement	DEC Prod. - Fos - Belews Crk - NC	8,631.87
DE Carolinas	CCS050011	CS05 FASV Bypass Valve Replacement	Elec - Steam Production Plant	CS05 - 2019 Outage - Turbine / Valves Template (Stop Valves),	DEC Prod. - Fos - Cliffsid 5 - NC	8,626.83
DE Carolinas	CBC020201	Replace 2-CR-11 (2019)	Elec - Steam Production Plant	Replace 2-CR-11 (2019)	DEC Prod. - Fos - Belews Crk - NC	8,467.62
DE Carolinas	CAS040068	4RC Exhasuter Changeout	Elec - Steam Production Plant	4RC Exhasuter Changeout	DEC Prod. - Fos - Allen - NC	8,456.64
DE Carolinas	CMSCM0044	Replace Filtered Water Piping	Elec - Steam Production Plant	100 feet of 6 inch and 8 inch filtered water piping needed to be replaced around 3/4 basement	DEC Prod. - Fos - Marshall - NC	8,404.33
DE Carolinas	CCS060106	CS06 - SFC Conveyor Replacement	Elec - Steam Production Plant	This project will be to replace the conveying component of the unit 6 submerge flight conveyor.	DEC Prod. - Fos - Cliffsid 6 - NC	8,293.90
DE Carolinas	CMS001322	Coal Dumper PLC Replacement	Elec - Steam Production Plant	Coal Dumper PLC Replacement	DEC Prod. - Fos - Marshall - NC	8,210.59
DE Carolinas	CBC020347	Replace 2-CF-2 Motor Actuator	Elec - Steam Production Plant	Replace 2-CF-2 Motor Actuator	DEC Prod. - Fos - Belews Crk - NC	8,186.89
DE Carolinas	CBC010173	Replace 4 BC1 FGD Inlet CEMS Ctrl	Elec - Steam Production Plant	Replace 4 BC1 FGD Inlet CEMS Ctrl	DEC Prod. - Fos - Belews Crk - NC	7,789.50
DE Carolinas	CMS041363	Gen Stator Leak Monitoring System	Elec - Steam Production Plant	Gen Stator Leak Monitoring System	DEC Prod. - Fos - Marshall - NC	7,769.70
DE Carolinas	CCS560117	SC56 Replace D11T Dozer Engine	Elec - Steam Production Plant	Funding needed to replace D11T Dozer engine, torque converter, and radiator.	DEC Prod. - Fos - Cliff 5&6 Com -NC	7,739.88
DE Carolinas	CMS010099	U1 Main Step Up Trans Bushings	Elec - Steam Production Plant	U1 Main Step Up Trans Bushings	DEC Prod. - Fos - Marshall - NC	7,644.73
DE Carolinas	CMS040167	MS4 Pulverizer Funded By GMA	Elec - Steam Production Plant	MS4 Pulverizer Funded By GMA	DEC Prod. - Fos - Marshall - NC	7,572.04
DE Carolinas	AAS001400	Car Dumper VFD Replacement	Elec - Steam Production Plant	Car Dumper VFD Replacement	DEC Prod. - Fos - Allen - NC	7,436.05
DE Carolinas	CMS040003	Replace U4 Powdex System Actuators	Elec - Steam Production Plant	Replace U4 Powdex System Actuators	DEC Prod. - Fos - Marshall - NC	7,394.99
DE Carolinas	CMS010317	Repl 'E' Mill Journals and Exh Fan	Elec - Steam Production Plant	Replace the Unit 1 'E' Mill Journals and Mill Exhauster Fan	DEC Prod. - Fos - Marshall - NC	7,197.06
DE Carolinas	CBC020171	Replace 2-BP-8	Elec - Steam Production Plant	Replace 2-BP-8	DEC Prod. - Fos - Belews Crk - NC	7,192.37
DE Carolinas	CMS030094	Replace Burners and Air Tips	Elec - Steam Production Plant	Replace Burners and Air Tips	DEC Prod. - Fos - Marshall - NC	7,096.82
DE Carolinas	CAS050071	ALN U5 Battery Replacement	Elec - Steam Production Plant	ALN U5 Battery Replacement	DEC Prod. - Fos - Allen - NC	7,076.15
DE Carolinas	CMS010127	Rplc U1 Pulv Capital Parts - GMA	Elec - Steam Production Plant	1 exhauster fan and 1 set of mill journal assemblies	DEC Prod. - Fos - Marshall - NC	6,784.60
DE Carolinas	CBC020336	BC02 Rapper Replacements	Elec - Steam Production Plant	BC02 Rapper Replacements	DEC Prod. - Fos - Belews Crk - NC	6,742.39
DE Carolinas	CBC020261	BC02 Repl SCR 15 KVA UPS	Elec - Steam Production Plant	BC02 Repl SCR 15 KVA UPS	DEC Prod. - Fos - Belews Crk - NC	6,517.35
DE Carolinas	CBC010375	BC01 Repl SCR 15 KVA UPS	Elec - Steam Production Plant	BC01 Repl SCR 15 KVA UPS	DEC Prod. - Fos - Belews Crk - NC	6,517.35
DE Carolinas	CCS560146	CS56 Gasoline Tank Replacement	Elec - Steam Production Plant	Remove and replace 1,000 gallon gasoline storage tank.	DEC Prod. - Fos - Cliff 5&6 Com -NC	6,451.95
DE Carolinas	CBC020328	BC02 2-10 Pulverizer Mill Rebuild	Elec - Steam Production Plant	BC02 2-10 Pulverizer Mill Rebuild	DEC Prod. - Fos - Belews Crk - NC	6,447.00
DE Carolinas	CBC020136	Replace 4 BC2 FGD In CEMS Cntrl	Elec - Steam Production Plant	Replace 4 BC2 FGD In CEMS Cntrl	DEC Prod. - Fos - Belews Crk - NC	6,314.19



Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CCS060108	Unit 6 SFC Refractory	Elec - Steam Production Plant	Replace unit 6 submerged flight conveyor refractory and associated supporting hardware. This is the capital portion of the project. There is a separate O&M project for the lower skirt.	DEC Prod. - Fos - Cliffsid 6 - NC	6,003.02
DE Carolinas	CBC020185	Replace 2-HC-20 2016	Elec - Steam Production Plant	Replace 2-HC-20 2016	DEC Prod. - Fos - Belews Crk - NC	6,000.00
DE Carolinas	CCS060079	CS06 - EJ10 Replacement	Elec - Steam Production Plant	CS06 - EJ10 Replacement	DEC Prod. - Fos - Cliffsid 6 - NC	5,999.40
DE Carolinas	CASCM1205	Replace Recycle Pump Rotating Eleme	Elec - Steam Production Plant	Replace Recycle Pump Rotating Element	DEC Prod. - Fos - Allen - NC	5,963.31
DE Carolinas	CMS000839	Replace 1 'B' Belt	Elec - Steam Production Plant	Replacement of 1 'B' Belt	DEC Prod. - Fos - Marshall - NC	5,956.16
DE Carolinas	CBC000877	FGD Expansion Joint Replacements	Elec - Steam Production Plant	FGD Expansion Joint Replacements	DEC Prod. - Fos - Belews Crk - NC	5,589.03
DE Carolinas	CCS06001	CS06 - APH replace leakage control	Elec - Steam Production Plant	CS06 - APH replace leakage control system	DEC Prod. - Fos - Cliffsid 6 - NC	5,516.73
DE Carolinas	CBC001533	"B" Vacuum Pump	Elec - Steam Production Plant	"B" Vacuum Pump	DEC Prod. - Fos - Belews Crk - NC	5,500.00
DE Carolinas	CBC010070	B Ball Mill Liner Replacement	Elec - Steam Production Plant	B Ball Mill Liner Replacement	DEC Prod. - Fos - Belews Crk - NC	5,498.40
DE Carolinas	CAS000635	Allen Dry Ash Battery Replacement	Elec - Steam Production Plant	Allen Dry Ash Battery Replacement	DEC Prod. - Fos - Allen - NC	5,496.84
DE Carolinas	CBC010389	U1 2019 FGD Recycle Pump Repl	Elec - Steam Production Plant	U1 2019 FGD Recycle Pump Repl	DEC Prod. - Fos - Belews Crk - NC	5,471.90
DE Carolinas	CBC000608	GMA 2018 Conveyor Belt Replacement	Elec - Steam Production Plant	GMA 2018 Conveyor Belt Replacement	DEC Prod. - Fos - Belews Crk - NC	5,442.21
DE Carolinas	CAS060015	Replace #4 Coal Convey Belt	Elec - Steam Production Plant	Replace #4 Coal Convey Belt	DEC Prod. - Fos - Allen - NC	5,398.58
DE Carolinas	CMSCM0075	Replace Lights at FGD	Elec - Steam Production Plant	Replace all lights in FGD absorber building.	DEC Prod. - Fos - Marshall - NC	5,379.10
DE Carolinas	CMS011320	U1 Mill Journals Re In 2011	Elec - Steam Production Plant	REMOVE INSTALL U1 Mill Journals Re In 2011	DEC Prod. - Fos - Marshall - NC	5,301.31
DE Carolinas	CBC010612	Replace 7B Tripper Festoon System	Elec - Steam Production Plant	Replace 7B Tripper Festoon System	DEC Prod. - Fos - Belews Crk - NC	5,154.85
DE Carolinas	RMS031325	U3B Booster Fan Remove Install	Elec - Steam Production Plant	REMOVAL - U3B Booster Fan Remove Install	DEC Prod. - Fos - Marshall - NC	5,145.01
DE Carolinas	CMS030069	U3 Pulverizer Capital Parts GMA	Elec - Steam Production Plant	1 exhauster fan and 2 sets of mill journal assemblies	DEC Prod. - Fos - Marshall - NC	5,118.02
DE Carolinas	CAS000663	Allen Camera System Replacement	Elec - Steam Production Plant	Allen Camera System Replacement	DEC Prod. - Fos - Allen - NC	5,002.23
DE Carolinas	CBC010319	BC01 SAH OPTO-22 to Ovation	Elec - Steam Production Plant	BC01 SAH OPTO-22 to Ovation	DEC Prod. - Fos - Belews Crk - NC	4,983.60
DE Carolinas	CMS030017	MS3 Ovation HMI Repla - Evergreen	Elec - Steam Production Plant	Replace existing Marshall Unit 3 Boiler Control System	DEC Prod. - Fos - Marshall - NC	4,969.22
DE Carolinas	CMS000898	MS3/MS4 Mill Journal Replacement	Elec - Steam Production Plant	B&W to provide three mill journals (one set) to be replaced based upon inspection findings.	DEC Prod. - Fos - Marshall - NC	4,954.11
DE Carolinas	CBC010333	BC01 Mercury Umbilical Replacement	Elec - Steam Production Plant	BC01 Mercury Umbilical Replacement	DEC Prod. - Fos - Belews Crk - NC	4,914.19
DE Carolinas	CBC005260	Belews Creek Dual Fuel Cofiring-BOP	Elec - Steam Production Plant	Belews Creek Dual Fuel Cofiring-BOP	DEC Prod. - Fos - Belews Crk - NC	4,876.11
DE Carolinas	CBC000124	2016 NH3 ATF UPS Batteries Rep.	Elec - Steam Production Plant	2016 NH3 ATF UPS Batteries Replacement	DEC Prod. - Fos - Belews Crk - NC	4,862.00
DE Carolinas	CCS560121	CS56 Replace C101 Conveyor Belt	Elec - Steam Production Plant	Project funds the replacement of C101 conveyor belt and includes idlers, impact bars, and skirt rubber.	DEC Prod. - Fos - Cliff 5&6 Com -NC	4,861.35
DE Carolinas	CMS001314	Coal Handling Ovation Migratio	Elec - Steam Production Plant	Coal Handling Ovation Migration	DEC Prod. - Fos - Marshall - NC	4,846.14
DE Carolinas	CMS031350	Replace Flame Scanner Modules	Elec - Steam Production Plant	INSTALL REMOVE Replace Flame Scanner Modules	DEC Prod. - Fos - Marshall - NC	4,803.10
DE Carolinas	CBC001567	2014 A Main Vacuum Pump Replacement	Elec - Steam Production Plant	2014 A Main Vacuum Pump Replacement	DEC Prod. - Fos - Belews Crk - NC	4,779.00
DE Carolinas	CBC020192	U2 IPB Fan Motor	Elec - Steam Production Plant	U2 IPB Fan Motor	DEC Prod. - Fos - Belews Crk - NC	4,681.79

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CMS020122	MS2 Mill Pulverizer GMA	Elec - Steam Production Plant	The MS2 'B' exhauster fan is in poor repair and needs to be replaced.	DEC Prod. - Fos - Marshall - NC	4,660.19
DE Carolinas	CMS040054	MS4 MSU Xfrmr Control Cabinet Repl	Elec - Steam Production Plant	MS4 MSU Xfrmr Control Cabinet Repl	DEC Prod. - Fos - Marshall - NC	4,656.48
DE Carolinas	CBC020221	BC02 Mercury Umbilical Replacement	Elec - Steam Production Plant	BC02 Mercury Umbilical Replacement	DEC Prod. - Fos - Belews Crk - NC	4,636.89
DE Carolinas	CMS040124	4"D" ARP suction valve	Elec - Steam Production Plant	Replace Flow Components:48" Knife Gate Valves on 4 'D' Absorber Recycle Pump Suction Valve.	DEC Prod. - Fos - Marshall - NC	4,611.43
DE Carolinas	CMS030189	MS3 Pulverizer funded by GMA	Elec - Steam Production Plant	MS3 Pulverizer funded by GMA	DEC Prod. - Fos - Marshall - NC	4,595.85
DE Carolinas	CBC010572	Replace BC01 Combustion Air Fans	Elec - Steam Production Plant	Replace BC01 Combustion Air Fans	DEC Prod. - Fos - Belews Crk - NC	4,388.30
DE Carolinas	CBC000816	Drainage System @ 3A Switch	Elec - Steam Production Plant	Drainage System @ 3A Switch	DEC Prod. - Fos - Belews Crk - NC	4,381.36
DE Carolinas	CBC010472	BC01 1-10 Pulverizer Rebuild	Elec - Steam Production Plant	BC01 1-10 Pulverizer Rebuild	DEC Prod. - Fos - Belews Crk - NC	4,368.20
DE Carolinas	CMS030155	Replace 2 Ash Blowers on unit 3	Elec - Steam Production Plant	Need to replace 2 blowers on unit 3 ash system	DEC Prod. - Fos - Marshall - NC	4,303.81
DE Carolinas	RMS041292	Remove/Install 4B H.W. Pump	Elec - Steam Production Plant	REMOVE - Remove/Install 4B H.W. Pump	DEC Prod. - Fos - Marshall - NC	4,255.63
DE Carolinas	CBC020242	Replace 2-HC-22	Elec - Steam Production Plant	Replace 2-HC-22	DEC Prod. - Fos - Belews Crk - NC	4,228.46
DE Carolinas	CMS000893	4A,4B,5A,5B CONV MOTOR REPLACEMENT	Elec - Steam Production Plant	4A,4B,5A,5B CONV MOTOR REPLACEMENT	DEC Prod. - Fos - Marshall - NC	4,156.20
DE Carolinas	CBC010573	BC01 Install Wear Pipe Wet Econ	Elec - Steam Production Plant	BC01 Install Wear Pipe Wet Econ	DEC Prod. - Fos - Belews Crk - NC	4,072.80
DE Carolinas	CMS010298	MS1 Mill Pulverizer	Elec - Steam Production Plant	Replace 1 exhauster fan and provide labor to replace one set of mill journals	DEC Prod. - Fos - Marshall - NC	4,029.56
DE Carolinas	CCS560149	Replace Radial Staker Gearboxes	Elec - Steam Production Plant	Funding supports replacement of four radial staker gearboxes.	DEC Prod. - Fos - Cliff 5&6 Com -NC	4,028.64
DE Carolinas	CMS040170	Replace 4B BCP Cable	Elec - Steam Production Plant	Replace 4B BCP Cable	DEC Prod. - Fos - Marshall - NC	4,002.47
DE Carolinas	CBC010486	BC01 1-7 Pulverizer Mill Rebuild	Elec - Steam Production Plant	BC01 1-7 Pulverizer Mill Rebuild	DEC Prod. - Fos - Belews Crk - NC	3,829.71
DE Carolinas	CMS041343	MS4 EBOP Circuit Redesign	Elec - Steam Production Plant	INSTALL REMOVE MS4 EBOP Circuit Redesign	DEC Prod. - Fos - Marshall - NC	3,827.47
DE Carolinas	NTN180006	Disposal 228 acres @ Belews Creek	Elec - Steam Production Plant	Disposal of 228 acres @ Belews Creek Steam Station	DEC Prod. - Fos - Belews Crk - NC	3,741.21
DE Carolinas	CMSCM0060	MS CH Bunker Lights	Elec - Steam Production Plant	CH Bunker lights	DEC Prod. - Fos - Marshall - NC	3,739.76
DE Carolinas	CMS030166	U3 - 2018 Pulverizer/Exhauster	Elec - Steam Production Plant	U3 2018 PULVERIZER / EXHAUSTER	DEC Prod. - Fos - Marshall - NC	3,689.24
DE Carolinas	CMS011250	Replace U1/2 A and D slurry recycle	Elec - Steam Production Plant	Replace U1/2 A and D slurry recycle pumps	DEC Prod. - Fos - Marshall - NC	3,627.03
DE Carolinas	CMS000702	Replace #2 Belt	Elec - Steam Production Plant	Replace the #2 belt.	DEC Prod. - Fos - Marshall - NC	3,580.11
DE Carolinas	CBC010239	Replace 1-1 CB and 1-3 CB	Elec - Steam Production Plant	Replace 1-1 CB and 1-3 CB Nozzles	DEC Prod. - Fos - Belews Crk - NC	3,454.60
DE Carolinas	CMS020119	Replace/Repair 2C BCP	Elec - Steam Production Plant	2C BCP Remove/Install/Repair	DEC Prod. - Fos - Marshall - NC	3,396.64
DE Carolinas	CBC00112D	2-1 Mill Capital Rebuild 2016	Elec - Steam Production Plant	- NOTE THIS PROJECT IS FOR SPECIFIC UNIT OF PROPERTY INSTALL/REMOVE	DEC Prod. - Fos - Belews Crk - NC	3,381.63
DE Carolinas	CBC010071	BC01 FGD Flue Liner Expn Joint Repl	Elec - Steam Production Plant	BC01 FGD Flue Liner Expn Joint Repl	DEC Prod. - Fos - Belews Crk - NC	3,363.39
DE Carolinas	CMS040067	U4 Pulverizer Capital Parts GMA	Elec - Steam Production Plant	Replace 1 exhauster fan and 2 sets of mill journal assemblies	DEC Prod. - Fos - Marshall - NC	3,301.04

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CCS060133	U6 A1 cooling tower motor replaceme	Elec - Steam Production Plant	The U6 A1 cooling tower motor has failed and must be replaced.	DEC Prod. - Fos - Cliffsid 6 - NC	3,250.59
DE Carolinas	CCS560108	CS Replace "B" Crusher Breaker	Elec - Steam Production Plant	Project provides funding for the complete replacement of a Crusher/Breaker, which includes the rotor assembly, screen/breaker/kickoff plates, cage, ring hammers, suspension bars, bearings, and other miscellaneous components.	DEC Prod. - Fos - Cliff 5&6 Com -NC	3,211.70
DE Carolinas	CMS001443	Coal Dumper VFD Replacement	Elec - Steam Production Plant	Coal Dumper VFD Replacement	DEC Prod. - Fos - Marshall - NC	3,054.42
DE Carolinas	AAS001313	Asbestos Abatement	Elec - Steam Production Plant	Activity A is used for Asbestos Abatement starting year 2008. RWIP Only	DEC Prod. - Fos - Allen - NC	3,050.76
DE Carolinas	CAS021254	2T1 Transformer Bushing Replacement	Elec - Steam Production Plant	2T1 Transformer Bushing Replacement	DEC Prod. - Fos - Allen - NC	3,035.68
DE Carolinas	CMS041361	U4 Mill Journal Re In 2013	Elec - Steam Production Plant	INSTALL REMOVAL U4 Mill Journal Re In 2013	DEC Prod. - Fos - Marshall - NC	3,000.00
DE Carolinas	CBC020256	BC2 C Cyclone Blower Repl	Elec - Steam Production Plant	BC2 C Cyclone Blower Repl	DEC Prod. - Fos - Belews Crk - NC	2,868.72
DE Carolinas	CMS030171	MS3 CEMS Replacement	Elec - Steam Production Plant	Project to replace all CEMS Gas Probes and Analyzers on MS3 FGD inlet and outlet	DEC Prod. - Fos - Marshall - NC	2,862.30
DE Carolinas	CMS030191	Unit 3B Mill Motor Replacement	Elec - Steam Production Plant	Replace 3B Mill Motor	DEC Prod. - Fos - Marshall - NC	2,841.47
DE Carolinas	CMS020144	2018 MS2 Pulverizer Exhauster	Elec - Steam Production Plant	Replace 1 exhauster fan and provide labor to replace one set of mill journals	DEC Prod. - Fos - Marshall - NC	2,826.76
DE Carolinas	NTN170109	Disposal of 2.5 ac. plant land	Elec - Steam Production Plant	Disposal of 2.5 acres of Allen Steam Station plant land	DEC Prod. - Fos - Allen - NC	2,800.00
DE Carolinas	CMS041270	TSI LP Bearings 5 Thru 8 Prox	Elec - Steam Production Plant	TSI LP Bearings 5 Thru 8 Prox	DEC Prod. - Fos - Marshall - NC	2,772.97
DE Carolinas	CBC021505	U2 CF6 & CF17 Valve Replace	Elec - Steam Production Plant	U2 CF6 & CF17 Valve Replace	DEC Prod. - Fos - Belews Crk - NC	2,760.12
DE Carolinas	CMS030142	U3 Clinker Grinder Replacement	Elec - Steam Production Plant	U3 Clinker Grinder Replacement	DEC Prod. - Fos - Marshall - NC	2,700.30
DE Carolinas	CMS040130	U4 Clinker Grinder Replacement	Elec - Steam Production Plant	U4 Clinker Grinder Replacement	DEC Prod. - Fos - Marshall - NC	2,666.58
DE Carolinas	CBC000865	Retire and Replace 5A2 Conveyor	Elec - Steam Production Plant	Retire and Replace 5A2 Conveyor	DEC Prod. - Fos - Belews Crk - NC	2,601.77
DE Carolinas	CBC000866	Retire and Replace No. 2 Conveyor	Elec - Steam Production Plant	Retire and Replace No. 2 Conveyor	DEC Prod. - Fos - Belews Crk - NC	2,601.77
DE Carolinas	CLS031255	Replace Lee 3A GSU Transformer Bush	Elec - Steam Production Plant	Replace Lee 3A GSU Transfomer Bushings	DEC Prod. - Fos - Lee - SC	2,528.67
DE Carolinas	CBC01405B	BC01 1-9 Mill Pulverizer	Elec - Steam Production Plant	BC01 1-9 Mill Pulverizer	DEC Prod. - Fos - Belews Crk - NC	2,518.00
DE Carolinas	CMS031247	Replace 3B FGD Recycle Pump	Elec - Steam Production Plant	Install Remove Replace 3B FGD Recycle Pump	DEC Prod. - Fos - Marshall - NC	2,501.77
DE Carolinas	CASCM0076	Replace 2 Mill Exhausters	Elec - Steam Production Plant	Replace 2 Mill Exhausters	DEC Prod. - Fos - Allen - NC	2,475.36
DE Carolinas	CCS060093	Unit 6 RO Membrane	Elec - Steam Production Plant	SET OF RO TRAIN/BANK MEMBRANES BOILER WATER PRETREATMENT	DEC Prod. - Fos - Cliffsid 6 - NC	2,392.82
DE Carolinas	CMS000825	5 'A' & 4 'A' Fdr Vibe Mtr Repl.	Elec - Steam Production Plant	Replacement of the 5 'A' and 4 'A' Vibratory Feeder Vibratory Motors	DEC Prod. - Fos - Marshall - NC	2,367.67

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CMS000840	Replace Coal Handling Belt Cleaners	Elec - Steam Production Plant	Replace numerous coal handling primary belt cleaning systems that are in poor repair and in need of replacement (610 & 609,1A &1B, 5A & 5B CONVEYORS)	DEC Prod. - Fos - Marshall - NC	2,362.57
DE Carolinas	CBC00113A	2017 Pulverizer Mill Capital - 2-4	Elec - Steam Production Plant	2017 Pulverizer Mill Capital - 2-4	DEC Prod. - Fos - Belews Crk - NC	2,335.50
DE Carolinas	CBC020057	2016 NH3 UPS Batteries - Unit 2	Elec - Steam Production Plant	2016 NH3 UPS Batteries - Unit 2	DEC Prod. - Fos - Belews Crk - NC	2,288.75
DE Carolinas	CBC011424	BC01 SCR VRLA Battery Bank Rpl	Elec - Steam Production Plant	BC01 SCR VRLA Battery Bank Rpl	DEC Prod. - Fos - Belews Crk - NC	2,288.75
DE Carolinas	CMS001382	Material Handling Septic System	Elec - Steam Production Plant	Material Handling Septic System	DEC Prod. - Fos - Marshall - NC	2,268.64
DE Carolinas	CBC00112H	2-8 Mill Wheel Replacement	Elec - Steam Production Plant	2-8 Mill Wheel Replacement	DEC Prod. - Fos - Belews Crk - NC	2,253.62
DE Carolinas	CBC020375	BC02 2-5 Pulverizer Mill Rebuild	Elec - Steam Production Plant	BC02 2-5 Pulverizer Mill Rebuild	DEC Prod. - Fos - Belews Crk - NC	2,243.00
DE Carolinas	CBC000219	Conveyor Belt Replacement 2017	Elec - Steam Production Plant	Conveyor Belt Replacement 2017	DEC Prod. - Fos - Belews Crk - NC	2,239.20
DE Carolinas	CMS010009	U1 SO3 PLC Replacement	Elec - Steam Production Plant	INSTALL REMOVAL U1 SO3 PLC Replacement	DEC Prod. - Fos - Marshall - NC	2,210.18
DE Carolinas	CMSCM0056	FGD Emergency and Exit Lights	Elec - Steam Production Plant	FGD emergency lights	DEC Prod. - Fos - Marshall - NC	2,193.51
DE Carolinas	CMS020027	U2 SO3 PLC Replacement	Elec - Steam Production Plant	INSTALL REMOVAL U2 SO3 PLC Replacement	DEC Prod. - Fos - Marshall - NC	2,174.89
DE Carolinas	CCS060114	CS06 - Replace EJ23	Elec - Steam Production Plant	Replace Expansion Joint 23.	DEC Prod. - Fos - Cliffsid 6 - NC	2,122.47
DE Carolinas	CMS040153	Replace Sluice Gate - U4	Elec - Steam Production Plant	Replace Sluice Gate - U4	DEC Prod. - Fos - Marshall - NC	2,098.62
DE Carolinas	CMS041345	U4 Exhauster Fan Re In 2012	Elec - Steam Production Plant	install removal U4 Exhauster Fan Re In 2012	DEC Prod. - Fos - Marshall - NC	1,960.70
DE Carolinas	CMS030172	MS3 SCR Process Control Replacement	Elec - Steam Production Plant	Project to replace all probes and analyzers on MS3 SCR Process Control Emissions Monitors.	DEC Prod. - Fos - Marshall - NC	1,955.46
DE Carolinas	CLS001291	Upgrd Clarifier & Makeup Cntrl	Elec - Steam Production Plant	Upgrade clarifier and upgrade make-up controls.390 Structures and improvements.	DEC Prod. - Fos - Lee - SC	1,886.79
				315 Accessory electric equipment. COMMON PLANT EQUIPMENT DEMINERALIZERS COMPLETE UNIT, INCLUDING CONDENSATE POLISHERS C15-10083 No Materiality Threshold		
DE Carolinas	CCS560138	CS56 Replace Caustic Heat Exchanger	Elec - Steam Production Plant	Project funds the replacement of the demineralizer caustic heat exchanger.	DEC Prod. - Fos - Cliff 5&6 Com -NC	1,813.28
DE Carolinas	CCS050111	Aux BLR damper drive replacement	Elec - Steam Production Plant	This project will be to replace the U5 Aux Boiler damper drive for combustion air.	DEC Prod. - Fos - Cliffsid 5 - NC	1,813.28
DE Carolinas	CBC011535	2015 1D Booster Fan Replacement	Elec - Steam Production Plant	2015 1D Booster Fan Replacement	DEC Prod. - Fos - Belews Crk - NC	1,805.12
DE Carolinas	CMS010084	Replc MSCS1 CEMS Data Controller	Elec - Steam Production Plant	Replc MSCS1 CEMS Data Controller	DEC Prod. - Fos - Marshall - NC	1,735.11
DE Carolinas	CMS030131	MSU FXMR LIGHTNING ARRESTORS	Elec - Steam Production Plant	MSU FXMR LIGHTNING ARRESTORS	DEC Prod. - Fos - Marshall - NC	1,651.68
DE Carolinas	CAS000598	SmartGen AS00 Visual Camera EOL	Elec - Steam Production Plant	SmartGen AS00 Visual Camera EOL	DEC Prod. - Fos - Allen - NC	1,594.13

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CAS030110	U3 soot blower PLC replacement	Elec - Steam Production Plant	The U3 soot blower PLC was damaged beyond repair following a boiler wash. An Allen-Bradley PLC solution was identified as a replacement.	DEC Prod. - Fos - Allen - NC	1,500.88
DE Carolinas	CMS041397	Replace Marshall U4 Plant Batteries	Elec - Steam Production Plant	Replace Marshall U4 Plant Batteries	DEC Prod. - Fos - Marshall - NC	1,468.27
DE Carolinas	CBC001464	A Main Vaccum Pump Repl	Elec - Steam Production Plant	A Main Vaccum Pump Repl	DEC Prod. - Fos - Belews Crk - NC	1,456.00
DE Carolinas	CMS030163	MS3 Primary Hydrocyclone Repl	Elec - Steam Production Plant	Replacement of the MS3 primary hydrocyclone.	DEC Prod. - Fos - Marshall - NC	1,381.05
DE Carolinas	CBC000669	BC00 Wallblower Replacement	Elec - Steam Production Plant	BC00 Wallblower Replacement	DEC Prod. - Fos - Belews Crk - NC	1,350.15
DE Carolinas	CBC000699	Replace Coal Handling Air Dryer	Elec - Steam Production Plant	Replace Coal Handling Air Dryer	DEC Prod. - Fos - Belews Crk - NC	1,336.18
DE Carolinas	CBC010514	1-6 Pulverizer Mill Capital	Elec - Steam Production Plant	1-6 Pulverizer Mill Capital	DEC Prod. - Fos - Belews Crk - NC	1,335.82
DE Carolinas	19MSVALVE	Valve Production Blanket	Elec - Steam Production Plant	valve production blanket	DEC Prod. - Fos - Marshall - NC	1,335.13
DE Carolinas	CBC00112E	2-5 Mill Capital Rebuild 2016	Elec - Steam Production Plant	2-5 Mill Capital Rebuild 2016 - NOTE THIS PROJECT IS FOR SPECIFIC UNIT OF PROPERTY INSTALL/REMOVE	DEC Prod. - Fos - Belews Crk - NC	1,288.14
DE Carolinas	BEL316B	316B Rule Compliance Belews Creek	Elec - Steam Production Plant	316B Rule Compliance Belews Creek (Car East)	DEC Prod. - Fos - Belews Crk - NC	1,263.89
DE Carolinas	CMS041252	Replace 4D FGD Recycle Pump	Elec - Steam Production Plant	INSTALL REMOVAL Replace 4D FGD Recycle Pump	DEC Prod. - Fos - Marshall - NC	1,183.16
DE Carolinas	CCS060103	Cliffside 6 CEMS Replacement	Elec - Steam Production Plant	Project to replace all CEMS Probes and Analyzers on CS6 FGD inlet and outlet	DEC Prod. - Fos - Cliffsid 6 - NC	1,160.16
DE Carolinas	CASVLV19	Allen 2019 Valve Blanket	Elec - Steam Production Plant	Allen 2019 Valve Blanket	DEC Prod. - Fos - Allen - NC	1,157.85
DE Carolinas	CCS560098	CS56 Replace A Absorber Sump Pump	Elec - Steam Production Plant	Replace 00JJ-PMP-3510A Absorber Sump Pump.	DEC Prod. - Fos - Cliff 5&6 Com -NC	1,125.33
DE Carolinas	CMS020088	MS2 Main Stop Valves Replacement	Elec - Steam Production Plant	Unit 2 Main Stop Valves Replacement - Fall 2018	DEC Prod. - Fos - Marshall - NC	1,119.62
DE Carolinas	CBC000933	Retire and Replace 7C Conveyor belt	Elec - Steam Production Plant	Retire and Replace 7C Conveyor belt	DEC Prod. - Fos - Belews Crk - NC	1,100.58
DE Carolinas	CMS030153	Unit 3 Mill Motor Rewind	Elec - Steam Production Plant	Unit 3 Mill Motor New Stator and Rewind	DEC Prod. - Fos - Marshall - NC	1,040.00
DE Carolinas	CMS040162	Unit 4: Replace 2 ash blowers	Elec - Steam Production Plant	Need to replace 2 blowers on unit 4 ash system	DEC Prod. - Fos - Marshall - NC	1,000.42
DE Carolinas	CMS041362	Generator Core Monitoring	Elec - Steam Production Plant	Generator Core Monitoring	DEC Prod. - Fos - Marshall - NC	954.73
DE Carolinas	CMS031407	MS03 Rewind 3F Mill Motor	Elec - Steam Production Plant	install remove MS03 Rewind 3F Mill Motor	DEC Prod. - Fos - Marshall - NC	909.33
DE Carolinas	CBC000685	Reverse Osmosis Membrane Repl	Elec - Steam Production Plant	Reverse Osmosis Membrane Repl	DEC Prod. - Fos - Belews Crk - NC	869.34
DE Carolinas	CMS030158	Replace Marshall U3A BFP Volute	Elec - Steam Production Plant	Replace Marshall U3A BFP Volute	DEC Prod. - Fos - Marshall - NC	865.75
DE Carolinas	CBC021459	Coal Piping Feeder to Mill	Elec - Steam Production Plant	Coal Piping Feeder to Mill	DEC Prod. - Fos - Belews Crk - NC	853.20
DE Carolinas	CAS030111	U3 Capital Mill Work	Elec - Steam Production Plant	U3 Capital Mill work	DEC Prod. - Fos - Allen - NC	820.73
DE Carolinas	CBC010299	BC01 2017 HP/IP Turb Packing Repl't	Elec - Steam Production Plant	BC01 2017 HP/IP Turb Packing Repl't	DEC Prod. - Fos - Belews Crk - NC	790.00
DE Carolinas	CMS031373	U3 Exhauster Fan Re In 2012	Elec - Steam Production Plant	install removal U3 Exhauster Fan Re In 2012	DEC Prod. - Fos - Marshall - NC	776.20
DE Carolinas	CLS030038	Replace Lee 3 CEMS Data Controllers	Elec - Steam Production Plant	Replace Lee 3 CEMS Data Controllers	DEC Prod. - Fos - Lee - SC	747.37
DE Carolinas	CCS560120	CS56 Replace C102 Conveyor Belt	Elec - Steam Production Plant	Project funds the replacement of C102 conveyor belt and includes idlers, impact bars, and skirt rubber.	DEC Prod. - Fos - Cliff 5&6 Com -NC	746.75
DE Carolinas	CMS030194	3D Mill Motor Replacement	Elec - Steam Production Plant	Replace 3D Mill Motor	DEC Prod. - Fos - Marshall - NC	743.76
DE Carolinas	CMS000827	Replace air compressor motor 300HP	Elec - Steam Production Plant	replace air compressor motor--300hp	DEC Prod. - Fos - Marshall - NC	638.86
DE Carolinas	CMS010253	Replace U1 ID B fan expansion Joint	Elec - Steam Production Plant	Replace U1 ID fan expansion Joint	DEC Prod. - Fos - Marshall - NC	600.00

Duke Energy Carolinas  
Projects in RWIP  
January 31, 2020  
Amounts in \$

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CMS021346	Main Mill Hoist Trolly Replace U2	Elec - Steam Production Plant	Main Mill Hoist Trolly Replacement U2	DEC Prod. - Fos - Marshall - NC	588.40
DE Carolinas	CBC000772	SmartGen BC00 Visual Camera EOL	Elec - Steam Production Plant	SmartGen BC00 Visual Camera EOL	DEC Prod. - Fos - Belews Crk - NC	558.07
DE Carolinas	CCS050076	Cliffside 5 CEMS Replacement	Elec - Steam Production Plant	Project to replace all CEMS Probes and Analyzers on CS5 FGD inlet and outlet	DEC Prod. - Fos - Cliffsid 5 - NC	434.99
DE Carolinas	CMS020154	MS2 Mill Journal Replacement	Elec - Steam Production Plant	Replace one set of Mill Journals on Unit 2 based upon inspection findings.	DEC Prod. - Fos - Marshall - NC	398.56
DE Carolinas	CBC020302	U2 Main Battery Replacement	Elec - Steam Production Plant	U2 Main Battery Replacement	DEC Prod. - Fos - Belews Crk - NC	357.90
DE Carolinas	CCS050024	CS05 - Replace CEMS Data Controller	Elec - Steam Production Plant	Replace One obsolete CS5 Continuous Emissions Monitoring System ESC8832 Data Controller. Configure replacement device SO2, NOx, CO2, Flow, Hg, and PM data and calculations. Configure Distributed Control System (DCS) MODBUS interface.	DEC Prod. - Fos - Cliffsid 5 - NC	305.82
DE Carolinas	CCS060025	CS06 - Replace CEMS Data Controller	Elec - Steam Production Plant		DEC Prod. - Fos - Cliffsid 6 - NC	267.99
DE Carolinas	CMS040181	MS4 O2 Probe Replacement	Elec - Steam Production Plant	MS4 O2 Probe Replacement on furnace backpass	DEC Prod. - Fos - Marshall - NC	225.26
DE Carolinas	CCS560104	CCP - Air Preheater Wash Water Tank	Elec - Steam Production Plant	Design and install Air Preheater Wash Water Tank along with Mechanical/Electrical supply for Cliffside Station	DEC Prod. - Fos - Cliff 5&6 Com -NC	219.41
DE Carolinas	CBC021235	BC02 2C1 HDP Mtr. Rpl CAP	Elec - Steam Production Plant	BC02 2C1 HDP Mtr. Rpl	DEC Prod. - Fos - Belews Crk - NC	205.00
DE Carolinas	355814035	2019 End of Life Hardware Replaceme	Elec - Steam Production Plant	Replace end of life server hardware	DEC Prod. - Fos - Riverbend - NC	179.75
DE Carolinas	CMS020061	MS2 Main and Aux Xfrmr Control Cab	Elec - Steam Production Plant	MS2 Main and Aux Xfrmr Control Cab	DEC Prod. - Fos - Marshall - NC	158.00
DE Carolinas	CMSCM0054	MS CT1 XFMR Control Cabinet Repl	Elec - Steam Production Plant	ms CT1 XFMR Control Cabinet Replacement	DEC Prod. - Fos - Marshall - NC	158.00
DE Carolinas	CMS030210	MS3 FGD Outlet Duct Exp Jnt Repl	Elec - Steam Production Plant	Replacement of an expansion joint in the outlet duct of the MS3 FGD absorber.	DEC Prod. - Fos - Marshall - NC	124.74
DE Carolinas	355814010	2019 end of life server replacement	Elec - Steam Production Plant	2019 end of life server replacements; DEC; BU 20003	DEC Prod. - Fos - Allen - NC	94.98
DE Carolinas	CAS050064	Unit 5 Capital Mill Work	Elec - Steam Production Plant	Unit 5 Capital Mill Work	DEC Prod. - Fos - Allen - NC	(183.31)
DE Carolinas	CMS040173	Bottom ash access door replacement	Elec - Steam Production Plant	Bottom ash hopper door integrity has been compromised and is in danger of failing.	DEC Prod. - Fos - Marshall - NC	(229.72)
DE Carolinas	CCMAR145	CCP MAR-145 SW Reroute	Elec - Steam Production Plant	CCP Marshall (MAR)-145 Stormwater Reroute: Permanently reroute off site stormwater, around the Structural Fill, via a concrete-lined swale and concrete culverts.	DEC Prod. - Fos - Marshall - NC	(349.62)
DE Carolinas	CBC020385	Replace 2A4 Absorber Agitator	Elec - Steam Production Plant	Replace 2A4 Absorber Agitator	DEC Prod. - Fos - Belews Crk - NC	(838.56)
DE Carolinas	DR000009X	Ash Basin Closure	Elec - Steam Production Plant	Ash Basin Closure	DEC Prod. - Fos - Dan River - NC	(1,773.00)
DE Carolinas	CBK001275	Buck Ash Basin Closure	Elec - Steam Production Plant	Buck Ash Basin Closure	DEC Prod. - Fos - Buck - NC	(1,773.00)

closing_rollup	work_order_number	work_order_description	func_class	work_order_long_desc	major_location	amount
DE Carolinas	CCS050004	CS5 Stack Demolition	Elec - Steam Production Plant	CS5 Stack Demolition. The vintage stack for Cliffside U5 has been removed from service and needs to be demolished.	DEC Prod. - Fos - Cliffsid 5 - NC	(4,295.05)
DE Carolinas	CMS021210	Install - PPIP	Elec - Steam Production Plant	Install - PPIP	DEC Prod. - Fos - Marshall - NC	(42,293.35)
						151,132,991.15

## **CERTIFICATE OF SERVICE**

DOCKET NO. E-7, SUB 1214

DOCKET NO. E-7, SUB 1213

DOCKET NO. E-7, SUB 1187

I hereby certify that a copy of the foregoing **LATE FILED EXHIBIT NO. 5** was served electronically or by depositing a copy in United States Mail, first class postage prepaid, properly addressed to the parties of record.

This the 11<sup>th</sup> day of September 2020.

*/s/ Molly M. Jagannathan*

Molly M. Jagannathan

Troutman Pepper Hamilton Sanders LLP

301 S. College Street, Suite 3400

Charlotte, North Carolina 28202

Telephone: 704.998.4074

[molly.jagannathan@troutman.com](mailto:molly.jagannathan@troutman.com)

ATTORNEY FOR DUKE ENERGY CAROLINAS, LLC