

12/2/2011

264A Recloser

500 US 13
Site Address

35.58900
Site Latitude

77.46650
Site Longitude

264A,RTU1

RTU Name

IED
RTU Type

SEL
RTU Manufacture

651R
RTU Model

264A RECLOSER RTU
RTU Description

TCP/RADIO/REPEATER
Comm. Medium

4
Channel No.

RECL SOUTH 264A 38KV HW33 RNST SHAM
Channel Description

20
Comm. No.

SOUTH DNP/TCP/RAD COMLIN
Communication Line Description

DNP
Protocol

MDS
Radio Manuf.

Mercury 900R
Radio Model

NA
Switch Manuf.

>
Switch Model

> > >

Notes

12/2/2011

43N Recloser

4143 NC 43N

Site Address

35.64803

Site Latitude

77.46208

Site Longitude

43N,RTU

RTU Name

future

RTU Type

future

RTU Manufacture

future

RTU Model

future

RTU Description

TCP/RADIO/400

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

>

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

903N Recloser

1573 NC 903N

Site Address

35.69409

Site Latitude

77.31094

Site Longitude

903N,RTU

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

903N RTU INET DNP3

RTU Description

TCP/RADIO

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

19

Comm. No.

NORTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Avon Road South Recloser

2920 Avon Road

Site Address

35.57033

Site Latitude

77.27082

Site Longitude

AVNS,RTU

RTU Name

future

RTU Type

future

RTU Manufacture

future

RTU Model

future

RTU Description

TCP/RADIO

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

>

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

Bell Arthur Recloser

4689 Stantonsburg Road

Site Address

35.60451

Site Latitude

77.48178

Site Longitude

BELL,RTU

RTU Name

future

RTU Type

future

RTU Manufacture

future

RTU Model

future

RTU Description

TCP/RADIO/400

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

>

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

Bells Fork Substation

4000 Bells Chapel Road

Site Address

35.56190

Site Latitude

77.35050

Site Longitude

BLFK,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

5r

RTU Model

BLFK SUB DNP RTU

RTU Description

TCP/FIBER

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

16

Comm. No.

SUB2 DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RSG2100

Switch Model

Future LX > >

Notes

12/2/2011

Belvoir Recloser

3077 NC 33W

Site Address

35.67911

Site Latitude

77.43284

Site Longitude

BVRC,RTU

RTU Name

future

RTU Type

future

RTU Manufacture

future

RTU Model

future

RTU Description

TCP/RADIO

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

>

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

Belvoir Regulator

2389 NC 33W

Site Address

35.99179

Site Latitude

77.41360

Site Longitude

BVRG,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

ACP3

RTU Model

BELVOIR HWY REG RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

Notes

12/2/2011

Black Jack Recl/Reg

2624 BJ-Grimesland Road

Site Address

35.50396

Site Latitude

77.24567

Site Longitude

BLJK,RTU

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

BLACKJACK RECLOSER

RTU Description

TCP/RADIO/400

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

34

Comm. No.

DNP/TCP/400 RADIO COMLINE

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

NA

Switch Manuf.

>

Switch Model

> > CH5???Fiber com settings???

Notes

12/2/2011

Cal Jones Recloser

4647 Cal Jones Road

Site Address

35.41611

Site Latitude

77.26122

Site Longitude

CALJ,RTU

RTU Name

future

RTU Type

future

RTU Manufacture

future

RTU Model

future

RTU Description

TCP/RADIO/400

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

>

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

Control Room

801 Mumford Road

Site Address

35.63029

Site Latitude

77.36325

Site Longitude

CNTL,RTU

RTU Name

RTU

RTU Type

QPL

RTU Manufacture

Pentium

RTU Model

CONTROL ROOM RTU

RTU Description

BELL202/COPPER

Comm. Medium

97

Channel No.

Serial

Channel Description

0

Comm. No.

LOAD MNGT COMM LINE 00

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

Notes

12/2/2011

Cox Comm. Generator

1150 Sugg Parkway

Site Address

35.66100

Site Latitude

77.34100

Site Longitude

DYRF,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

REFLECTOR GEN RTUTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

Modbus to PLC > >

Notes

12/2/2011

Crandells Recloser

3400 NC 903N

Site Address

35.72200

Site Latitude

77.24200

Site Longitude

CRAN,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

ACP3

RTU Model

CRAN RECLOSER RTU

RTU Description

RS232/FIBER/SERIAL RADI

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

Move to Comm 34 > Adding this year DNP/TCP/400

Notes

12/2/2011

DH Conley Generator

2006 Worthington Road

Site Address

35.53021

Site Latitude

77.32345

Site Longitude

DHC ,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

DH CONLEY HS GEN RTU

RTU Description

RS232/FIBER/SERIAL RADI

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

Modbus to PLC > >

Notes

12/2/2011

Dickinson Avenue Substation

2240 Dickinson Avenue

Site Address

35.60000

Site Latitude

77.39858

Site Longitude

DAVE,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

DAVE SUB DNP RTU

RTU Description

TCP/FIBER

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

16

Comm. No.

SUB2 DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

> > >

Notes

12/2/2011

Eastern Bypass Substation

2350 Old Pactolus Road

Site Address

35.62376

Site Latitude

77.33401

Site Longitude

EBYP,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

EASTERN BYPASS SUB RTU

RTU Description

TCP/FIBER

Comm. Medium

98

Channel No.

Serial

Channel Description

9

Comm. No.

SUB QUIC/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

Station Upgrade/Fiber > >

Notes

12/2/2011

Eastside Substation

1595 SE Greenville Blvd.

Site Address

35.59042

Site Latitude

77.34768

Site Longitude

ESDE,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

EASTSIDE SUB RTU

RTU Description

RS232/FIBER/SERIAL RADI

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

NA

Switch Model

Station Upgrade/Fiber or TCP Radio > >

Notes

12/2/2011

ECU School of Medicine Generator 1

2205 W 5th Street

Site Address

35.61195

Site Latitude

77.40433

Site Longitude

SOM1,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

ECU SOM GEN RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

NA

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

ECU School of Medicine Generator 2

2205 W 5th Street

Site Address

35.61195

Site Latitude

77.40433

Site Longitude

SOM2,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

ECU SOM GENERATOR 2 RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

NA

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

ECU Substation/Generator

150 Ficklen Drive

Site Address

35.59946

Site Latitude

77.37013

Site Longitude

ECU , RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

ECU SUB RTU

RTU Description

TCP/FIBER

Comm. Medium

98

Channel No.

Serial

Channel Description

9

Comm. No.

SUB QUIC/TCP/FIB COMLINE

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

NA

Radio Model

RuggedComm

Switch Manuf.

RS900 & RS400

Switch Model

Station Upgrade > >

Notes

12/2/2011

Evans Street Substation

190 E. Howell Street

Site Address

35.60000

Site Latitude

77.37442

Site Longitude

EVAN,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

EVANS ST SUB RTU

RTU Description

TCP/FIBER

Comm. Medium

98

Channel No.

Serial

Channel Description

9

Comm. No.

SUB QUIC/TCP/FIB COMLINE

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900 & RS400

Switch Model

Notes

12/2/2011

Evans Street Substation

190 E. Howell Street

Site Address

35.60000

Site Latitude

77.37442

Site Longitude

EVAN,RTU4

RTU Name

IED

RTU Type

SEL

RTU Manufacture

351S

RTU Model

EVANS ST SUB F4 IED

RTU Description

TCP/FIBER

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

50

Comm. No.

EVAN FBKR TEMP DNP

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

Station Upgrade TEMPORARY Why on Channel 7 w radio stuff???

Notes

12/2/2011

Evans Street Substation

190 E. Howell Street

Site Address

35.60000

Site Latitude

77.37442

Site Longitude

EVAN,RTU5

RTU Name

IED

RTU Type

SEL

RTU Manufacture

351S

RTU Model

EVANS ST SUB F5 IED

RTU Description

TCP/FIBER

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

50

Comm. No.

EVAN FBKR TEMP DNP

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

Station Upgrade TEMPORARY Why on Channel 7 w radio stuff???

Notes

12/2/2011

Frog Level Substation

3308 Frog Level Rd.

Site Address

35.56327

Site Latitude

77.44514

Site Longitude

FRGL,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

FRGL SUB DNP RTU

RTU Description

TCP/RADIO

Comm. Medium

2

Channel No.

FRGL MTPL SCHC LINE 6 RTU 39 41 30

Channel Description

6

Comm. No.

SUB3 DNP/TCP/RAD COMLINE

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

RuggedComm

Switch Manuf.

RMC40 & RS900

Switch Model

> > >

Notes

12/2/2011

Gardnersville Recloser

9580 County Home Road

Site Address

35.39047

Site Latitude

77.29654

Site Longitude

GRDN,RTU

RTU Name

future

RTU Type

future

RTU Manufacture

future

RTU Model

future

RTU Description

TCP/RADIO/400

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

>

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

Greenville 230 Substation

1101 N. Holly Street

Site Address

35.62573

Site Latitude

77.36529

Site Longitude

G231,RTU1

RTU Name

RTU

RTU Type

QPL

RTU Manufacture

Pentium

RTU Model

G230 SUB QPL DNP RTU

RTU Description

TCP/FIBER

Comm. Medium

6

Channel No.

G230 QPL COMMLINE 12

Channel Description

12

Comm. No.

G230 QPL DNP/TCP/FIB COM

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Greenville 230 Substation

1101 N. Holly Street

Site Address

35.62573

Site Latitude

77.36529

Site Longitude

G231,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

RTU Model

G230 SUB. DNP RTU

RTU Description

TCP/FIBER

Comm. Medium

0

Channel No.

G230 ORION RTU COMLINE 4 RTU1

Channel Description

4

Comm. No.

G230 ORION4 DNP/TCP/FIB

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Greenville West 230 Substation

3280 MacGregor Downs Rd.

Site Address

35.61427

Site Latitude

77.43261

Site Longitude

G232,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

G230 WEST RTU

RTU Description

TCP/FIBER

Comm. Medium

1

Channel No.

G230W COM 5 RTU 12

Channel Description

5

Comm. No.

G230WEST DNP/TCP/FIB COM

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> > Upgrading to LX this year

Notes

12/2/2011

Gum Swamp Road Recloser

800 Gum Swamp Road

Site Address

35.68516

Site Latitude

77.43818

Site Longitude

GUMS,RTU

RTU Name

IED

RTU Type

Bitronics

RTU Manufacture

Multicomm

RTU Model

future

RTU Description

TCP/RADIO/400

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

NA

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

Helens Xrds Recloser

6957 County Home Road

Site Address

35.46869

Site Latitude

77.34800

Site Longitude

HELN,RTU1

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

HELENS RECLOSER

RTU Description

TCP/RADIO/400

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

34

Comm. No.

DNP/TCP/400 RADIO COMLINE

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

NA

Switch Manuf.

>

Switch Model

> > CH5???Fiber com settings???

Notes

12/2/2011

Hollywood Substation

2032 Mills Road

Site Address

35.53091

Site Latitude

77.31943

Site Longitude

HLWD,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

HOLLYWOOD SUB RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

JH Rose HS Generator

600 W Arlington Blvd.

Site Address

35.59471

Site Latitude

77.38499

Site Longitude

JHR ,RTU

RTU Name

IED

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

JH ROSE HS GEN RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

Modbus to PLC > >

Notes

12/2/2011

Karastan Generator 1

2007 Dickinson Avenue

Site Address

35.60102

Site Latitude

77.39038

Site Longitude

KST1,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

KARASTAN BIG NO.1 GEN RT

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

Modbus to PLC > >

Notes

12/2/2011

Karastan Generator 2

311 Staton Blvd.

Site Address

35.65253

Site Latitude

77.36071

Site Longitude

KST2,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

KARASTAN BIG NO.2 GEN RT

RTU Description

RS232/FIBER/SERIAL RADI

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

MacGregor Downs Substation

3280 MacGregor Downs Rd.

Site Address

35.61276

Site Latitude

77.43213

Site Longitude

MGDN,RTU1

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

MGDN SUB DNP RTU NOVATEC

RTU Description

TCP/FIBER

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

11

Comm. No.

SUB1 DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

> > Radio is for Bridge

Notes

12/2/2011

Main Office Generator

400 S Washington Street

Site Address

35.61204

Site Latitude

77.37442

Site Longitude

MOG ,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

5r

RTU Model

MAIN OFFICE GEN RTU

RTU Description

TCP/FIBER

Comm. Medium

3

Channel No.

COM7 MOG PCMH

Channel Description

7

Comm. No.

DIST DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> FUTURE Using RTU as Protocol Converter. Actual IED is Modbus ASCO IED

Notes

12/2/2011

Metrics Generator

1240 Sugg Parkway

Site Address

35.66100

Site Latitude

77.33900

Site Longitude

MTRC,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

METRICS GEN RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Mobleys Bridge Recloser

3340 Mobleys Bridge Road

Site Address

35.54702

Site Latitude

77.26184

Site Longitude

MBRG,RTU

RTU Name

future

RTU Type

future

RTU Manufacture

future

RTU Model

future

RTU Description

TCP/RADIO

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

>

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

Mt. Pleasant Substation

1039 Belvoir School Rd.

Site Address

35.66427

Site Latitude

77.40635

Site Longitude

MTPL,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

5r

RTU Model

MTPL SUB DNP RTU

RTU Description

TCP/RADIO

Comm. Medium

2

Channel No.

FRGL MTPL SCHC LINE 6 RTU 39 41 30

Channel Description

6

Comm. No.

SUB3 DNP/TCP/RAD COMLINE

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

> > >

Notes

12/2/2011

Nacco Generator

5200 Martin Luther King Jr Hwy

Site Address

35.65100

Site Latitude

77.34100

Site Longitude

NACO,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

NACCO GEN RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

NA

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

NC 33E Recloser

5547 NC 33E

Site Address

35.58845

Site Latitude

77.26715

Site Longitude

HW33,RTU

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

HW33 RTU INET DNP3

RTU Description

TCP/RADIO

Comm. Medium

4

Channel No.

RECL SOUTH 264A 38KV HW33 RNST SHAM

Channel Description

20

Comm. No.

SOUTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

NA

Switch Manuf.

>

Switch Model

Modbus to PLC > >

Notes

12/2/2011

NCEMPA (Electricities)

1427 Meadowwood Blvd., Raleigh

Site Address

35.82002

Site Latitude

78.61258

Site Longitude

NCPA,RTU

RTU Name

Master

RTU Type

Survalent

RTU Manufacture

Windows

RTU Model

CLIENT RTU FOR NCEMPA

RTU Description

RS232/FRAME RELAY

Comm. Medium

98

Channel No.

Serial

Channel Description

2

Comm. No.

NCEMPA COMM LINE

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

NCEMPA (Electricities)

1427 Meadowwood Blvd., Raleigh

Site Address

35.82002

Site Latitude

78.61258

Site Longitude

NCP1,RTU

RTU Name

Master

RTU Type

Survalent

RTU Manufacture

Windows

RTU Model

NCEMPA VIRTUAL RTU

RTU Description

RS232/FRAME RELAY

Comm. Medium

98

Channel No.

Serial

Channel Description

2

Comm. No.

NCEMPA COMM LINE

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Northside Substation

300 Staton Road

Site Address

35.65107

Site Latitude

77.36152

Site Longitude

NSDE,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

NORTHSIDE SUB RTU

RTU Description

TCP/FIBER

Comm. Medium

98

Channel No.

Serial

Channel Description

9

Comm. No.

SUB QUIC/TCP/FIB COMLINE

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900 & RS400

Switch Model

Modbus to PLC > >

Notes

12/2/2011

Oakley Road Recloser

3378 Oakley Road

Site Address

35.69197

Site Latitude

77.31954

Site Longitude

OKLY,RTU

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

OKLY RECLOSER RTU

RTU Description

TCP/RADIO

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

19

Comm. No.

NORTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

NA

Switch Manuf.

>

Switch Model

None > >

Notes

12/2/2011

Old Tar Substation (TOW)

4874 Old Tar Road

Site Address

35.59291

Site Latitude

77.38518

Site Longitude

OTAR,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP6

RTU Model

OLD TAR ROAD SUB RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

NA

Radio Model

NA

Switch Manuf.

>

Switch Model

Station Upgrade > >

Notes

12/2/2011

Old Tar Substation (TOW)

4874 Old Tar Road

Site Address

35.59291

Site Latitude

77.38518

Site Longitude

OTAR,RTU1

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP6

RTU Model

OLD TAR ROAD SUB RTU1

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Operation Center

801 Mumford Road

Site Address

35.63134

Site Latitude

77.36172

Site Longitude

OPCN,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

OPERATION CENTER RTU

RTU Description

BELL202/COPPER

Comm. Medium

97

Channel No.

Serial

Channel Description

0

Comm. No.

LOAD MNGT COMM LINE 00

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

NA

Switch Manuf.

>

Switch Model

None > >

Notes

12/2/2011

Operation Center

801 Mumford Road

Site Address

35.63134

Site Latitude

77.36172

Site Longitude

LMR2,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

LOAD MANAGEMENT TX #2 RT

RTU Description

BELL202/COPPER

Comm. Medium

97

Channel No.

Serial

Channel Description

0

Comm. No.

LOAD MNGT COMM LINE 00

Communication Line Description

GE102/QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

P&G Substation/Generator

500 Industrial Blvd.

Site Address

35.64420

Site Latitude

77.35826

Site Longitude

PGAM,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP6

RTU Model

P&G SUBSTATION/GEN RTU

RTU Description

TCP/FIBER

Comm. Medium

98

Channel No.

Serial

Channel Description

9

Comm. No.

SUB QUIC/TCP/FIB COMLINE

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900 & RS400

Switch Model

> > >

Notes

12/2/2011

Pactolus Recloser

525 Second Street, Pactolus

Site Address

35.62500

Site Latitude

77.22100

Site Longitude

PACT,RTU1

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

PACT RTU INET DNP3

RTU Description

TCP/RADIO

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

19

Comm. No.

NORTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

NA

Switch Manuf.

>

Switch Model

change to ethernet or fiber 232 > >

Notes

12/2/2011

Pactolus Regulator A

585 US 264E

Site Address

35.62300

Site Latitude

77.22900

Site Longitude

PTVR,RTUA

RTU Name

IED

RTU Type

Beckwith

RTU Manufacture

2001-C

RTU Model

PACT A PHASE REG CTL

RTU Description

TCP/RADIO

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

19

Comm. No.

NORTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Pactolus Regulator B

585 US 264E

Site Address

35.62300

Site Latitude

77.22900

Site Longitude

PTVR,RTUB

RTU Name

IED

RTU Type

Beckwith

RTU Manufacture

2001-C

RTU Model

PACT B PHASE REG CTL

RTU Description

TCP/RADIO

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

19

Comm. No.

NORTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Pactolus Regulator C

585 US 264E

Site Address

35.62300

Site Latitude

77.22900

Site Longitude

PTVR,RTUC

RTU Name

IED

RTU Type

Beckwith

RTU Manufacture

2001-C

RTU Model

PACT C PHASE REG CTL

RTU Description

TCP/RADIO

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

19

Comm. No.

NORTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

PCMH CUP

518 Moye Blvd.

Site Address

35.60778

Site Latitude

77.39905

Site Longitude

PCMH,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

RTU Model

PCMH POD RTU DNP3

RTU Description

TCP/FIBER

Comm. Medium

3

Channel No.

COM7 MOG PCMH

Channel Description

7

Comm. No.

DIST DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

NA

Switch Manuf.

>

Switch Model

None > >

Notes

12/2/2011

Power Plant Substation

190 Plant Street

Site Address

35.61549

Site Latitude

77.37888

Site Longitude

PPNT,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

PPNT SUB DNP RTU

RTU Description

TCP/FIBER

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

16

Comm. No.

SUB2 DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

> > >

Notes

12/2/2011

Progress Energy (Skaale)

3401 Hillsborough Street, Raleigh
Site Address

35.79020
Site Latitude

78.62140
Site Longitude

PEC ,RTU

RTU Name

Virtual RTU
RTU Type

Survalent
RTU Manufacture

Windows
RTU Model

CLIENT RTU FOR PROGRESS
RTU Description

TCP/TELCO
Comm. Medium

98
Channel No.

Serial
Channel Description

8
Comm. No.

PROGRESS ENRGY COMM LINE
Communication Line Description

ICCP
Protocol

NA
Radio Manuf.

>
Radio Model

>
Switch Manuf.

>
Switch Model

None > >

Notes

12/2/2011

Radio Tower

490 Aqua Lane

Site Address

35.61127

Site Latitude

77.30344

Site Longitude

LMR1,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

LOAD MGMT WWTP

RTU Description

RS232/FIBER

Comm. Medium

97

Channel No.

Serial

Channel Description

0

Comm. No.

LOAD MNGT COMM LINE 00

Communication Line Description

GE102/QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

change to ethernet or fiber 232 > >

Notes

12/2/2011

Radio Tower

490 Aqua Lane

Site Address

35.61127

Site Latitude

77.30344

Site Longitude

RTWR,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

RTWR RADIO TOWER RTU

RTU Description

RS232/FIBER

Comm. Medium

97

Channel No.

Serial

Channel Description

0

Comm. No.

LOAD MNGT COMM LINE 00

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900 & RS400

Switch Model

> > >

Notes

12/2/2011

Renston Recloser

3175 NC 903S

Site Address

35.52435

Site Latitude

77.43023

Site Longitude

RNST,RTU1

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

RNST RECLOSER RTU

RTU Description

TCP/RADIO/REPEATER

Comm. Medium

4

Channel No.

RECL SOUTH 264A 38KV HW33 RNST SHAM

Channel Description

20

Comm. No.

SOUTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

S Church St Substation (TOW)

2936 S Church St., Winterville

Site Address

35.51595

Site Latitude

77.40601

Site Longitude

SCHC,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

S. CHURCH ST. DNP RTU

RTU Description

TCP/RADIO/REPEATER

Comm. Medium

2

Channel No.

FRGL MTPL SCHC LINE 6 RTU 39 41 30

Channel Description

6

Comm. No.

SUB3 DNP/TCP/RAD COMLINE

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

> > >

Notes

12/2/2011

Shamrock Recloser

5000 Old Tar Road

Site Address

35.52386

Site Latitude

77.38468

Site Longitude

SHAM,RTU1

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

SHAM RECLOSER RTU

RTU Description

TCP/RADIO/REPEATER

Comm. Medium

4

Channel No.

RECL SOUTH 264A 38KV HW33 RNST SHAM

Channel Description

20

Comm. No.

SOUTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Simpson Substation

1200 LT Hardee Road

Site Address

35.57839

Site Latitude

77.30251

Site Longitude

SIMP,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

SIMPSON SUB RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS 9600uP

Radio Manuf.

1310RN1D123MOD

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Southside Substation

130 SW Greenville Blvd.

Site Address

35.57497

Site Latitude

77.38613

Site Longitude

SSDE,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

SOUTHSIDE SUB RTU

RTU Description

TCP/FIBER

Comm. Medium

98

Channel No.

Serial

Channel Description

9

Comm. No.

SUB QUIC/TCP/FIB COMLINE

Communication Line Description

QUICS

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

Modbus to PLC > >

Notes

12/2/2011

Speight Seed Farm Recloser

2800 Speight Seed Farm Road

Site Address

35.55204

Site Latitude

77.48500

Site Longitude

SPSD,RTU

RTU Name

IED

RTU Type

Bitronics

RTU Manufacture

Multicomm

RTU Model

future

RTU Description

TCP/RADIO/400

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

NA

Switch Manuf.

>

Switch Model

Station Upgrade/TCP Radio FUTURE >

Notes

12/2/2011

Staton Mill Recloser

2000 Staton Mill Road

Site Address

35.69217

Site Latitude

77.34879

Site Longitude

STML,RTU

RTU Name

IED

RTU Type

Bitronics

RTU Manufacture

Multicomm

RTU Model

future

RTU Description

TCP/RADIO/400

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

NA

Switch Manuf.

>

Switch Model

Station Upgrade FUTURE >

Notes

12/2/2011

Stokes Recloser

2863 NC 903N

Site Address

35.71700

Site Latitude

77.26200

Site Longitude

STKS,RTU

RTU Name

IED

RTU Type

Bitronics

RTU Manufacture

Multicomm

RTU Model

future

RTU Description

TCP/RADIO/400

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

SD4

Radio Model

NA

Switch Manuf.

>

Switch Model

Modbus to PLC FUTURE >

Notes

12/2/2011

Stokes Regulator

2665 NC 903N

Site Address

35.71400

Site Latitude

77.27200

Site Longitude

STVR,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

ACP3

RTU Model

STOKES VOLT REG RTU

RTU Description

RS232/FIBER/SERIAL RADI

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

None > >

Notes

12/2/2011

Stokestown Substation

3850 NC 102 E

Site Address

35.43059

Site Latitude

77.29629

Site Longitude

STTN,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP6

RTU Model

STOKESTOWN SUB RTU

RTU Description

RS232/FIBER/SERIAL RADIC

Comm. Medium

98

Channel No.

Serial

Channel Description

1

Comm. No.

QUICS COMM LINE 01

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

NA

Switch Manuf.

>

Switch Model

None > >

Notes

12/2/2011

Sugg Parkway Substation

Prescott Drive

Site Address

35.66400

Site Latitude

77.34400

Site Longitude

SUGG,RTU

RTU Name

future

RTU Type

future

RTU Manufacture

future

RTU Model

future

RTU Description

future

Comm. Medium

99

Channel No.

future

Channel Description

99

Comm. No.

future

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

NA

Switch Manuf.

>

Switch Model

> FUTURE >

Notes

12/2/2011

Transformer Shop

801 Mumford Road

Site Address

35.63147

Site Latitude

77.36337

Site Longitude

SHOP,RTU

RTU Name

RTU

RTU Type

QEI

RTU Manufacture

6CPP4

RTU Model

TRANSFORMER SHOP SUB RTU

RTU Description

RS232/FIBER

Comm. Medium

98

Channel No.

Serial

Channel Description

9

Comm. No.

SUB QUIC/TCP/FIB COMLINE

Communication Line Description

QUICS

Protocol

MDS

Radio Manuf.

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Vernon White Substation (TOW)

266 Vernon White Road

Site Address

35.54105

Site Latitude

77.39765

Site Longitude

VERN,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

VERN SUB DNP RTU

RTU Description

TCP/RADIO

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

28

Comm. No.

VERN DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

> > ***GROUPED W FIBER ENDS?????on CH 5????

Notes

12/2/2011

Wellcome Substation

5595 NE Greenville Blvd.

Site Address

35.65600

Site Latitude

77.35200

Site Longitude

WELL,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

WELLCOME SUB RTU

RTU Description

TCP/FIBER

Comm. Medium

98

Channel No.

Serial

Channel Description

9

Comm. No.

SUB QUIC/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

>

Switch Manuf.

>

Switch Model

Station Upgrade > >

Notes

12/2/2011

Westside Substation

1101 B's Barbeque Road

Site Address

35.61731

Site Latitude

77.42210

Site Longitude

WSDE,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

LX

RTU Model

WESTSIDE SUB RTU

RTU Description

TCP/FIBER

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

11

Comm. No.

SUB1 DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

> > >

Notes

12/2/2011

Whichard Recloser

4700 Whichard Road

Site Address

35.66501

Site Latitude

77.32028

Site Longitude

WHIC,RTU1

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

WHIC RECLOSER RTU

RTU Description

TCP/RADIO

Comm. Medium

7

Channel No.

COMM 19 OKLY PACT PTVR 903N WHICH

Channel Description

19

Comm. No.

NORTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

>

Switch Manuf.

>

Switch Model

> > >

Notes

12/2/2011

Winterville Substation

490 W. Firetower Road

Site Address

35.55155

Site Latitude

77.39340

Site Longitude

WINT,RTU

RTU Name

RTU

RTU Type

Novatech

RTU Manufacture

5r

RTU Model

WINT SUB DNP RTU

RTU Description

TCP/FIBER

Comm. Medium

5

Channel No.

SUB DNP/TCP/FIB SETTINGS

Channel Description

11

Comm. No.

SUB1 DNP/TCP/FIB COMLINE

Communication Line Description

DNP

Protocol

NA

Radio Manuf.

>

Radio Model

RuggedComm

Switch Manuf.

RS900

Switch Model

Upgrade to LX in Future > >

Notes

12/2/2011

Worthington Xrds Recloser

5173 County Home Road

Site Address

35.53120

Site Latitude

77.34850

Site Longitude

38KV,RTU

RTU Name

IED

RTU Type

SEL

RTU Manufacture

651R

RTU Model

38KV RTU INET DNP3

RTU Description

TCP/RADIO

Comm. Medium

4

Channel No.

RECL SOUTH 264A 38KV HW33 RNST SHAM

Channel Description

20

Comm. No.

SOUTH DNP/TCP/RAD COMLIN

Communication Line Description

DNP

Protocol

MDS

Radio Manuf.

Mercury 900R

Radio Model

NA

Switch Manuf.

>

Switch Model

> > >

Notes