



SYSTEM PROTECTION & CONTROL PROJECTS 20413

CABLE SCHEDULE

NORMANDY APSTF

CABLE NOTES:

1. TYPE B, BS, F, AND FO CABLE SHALL BE FURNISHED BY THE OWNER, UNLESS OTHERWISE SPECIFIED.
2. THE CONTRACTOR SHALL FURNISH ALL OTHER CABLE, AS SPECIFIED.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CABLE LENGTHS. CABLE LENGTHS LISTED ARE APPROXIMATE.
4. THE CONTRACTOR SHALL VERIFY THE EXISTING CABLE CONNECTIONS AND DUPLICATE CABLES TO NEW DC PANELS EXISTING PANEL NUMBERS CAN BE DIFFERENT.

CABLE LEGEND:

- A - THHN INSULATED COPPER CONDUCTOR, RATED 600V
- B - CONTROL CABLE
- BS - SHIELDED CONTROL CABLE
- C - RHW, THHW, OR THWN INSULATED COPPER CONDUCTOR, RATED 600V
- F - INSTRUMENT CABLE
- FO - FIBER OPTIC CABLE
- S - SINGLE CONDUCTOR
- M - MULTIPLE CONDUCTOR

CABLE SCHEDULE NORMANDY APSTF

PAGE: 2 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|--|-------------------|------------------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| BREAKER 9C8 | | | | | | | | | | |
| 9C8/C1 | BRK 9C8 | NEW 230KV PNL 10 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 9C8/C2 | BKR 9C8 | NEW 230KV PNL 10 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 9C8/C3 | BKR 9C8 | NEW 230KV PNL 10 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 9C8/9C8PR-1 | BKR 9C8 | NEW 230KV PNL 10 | 600 | 10 | 4 | M | BS | | | CAP 9C8 PRI PROT. |
| 9C8/9C8PR-2 | BKR 9C8 | NEW 230KV PNL 10 | 600 | 10 | 4 | M | BS | | | CAP 9C8 PRI PROT. |
| 9C8/9C8SC-1 | BKR 9C8 | NEW 230KV PNL 10 | 600 | 10 | 4 | M | BS | | | CAP 9C8 SEC PROT. |
| 9C8/9C8SC-2 | BKR 9C8 | NEW 230KV PNL 10 | 600 | 10 | 4 | M | BS | | | CAP 9C8 SEC PROT. |
| 9C8/NBD1-1 | BKR 9C8 | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORTH BUS PRI PROT. |
| 9C8/NBD1-2 | BKR 9C8 | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORTH BUS PRI PROT. |
| 9C8/NBD2-1 | BKR 9C8 | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORH BUS SEC PROT. |
| 9C8/NBD2-2 | BKR 9C8 | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NB SEC PROT. |
| 9C8/SSCAC | BKR 9C8 | 230KV N BUS PTJB | 600 | 10 | 2 | M | BS | | | AC POWER SSC |
| 230kV CAP BANK 9C8 | | | | | | | | | | |
| 9C8PT/JB | CAP BANK 9C8 JB | NEW 230KV PNL 10 | 600 | 10 | 4 | M | BS | | | CAP 9C8 PT |
| MOTOR SWITCH 9MSC8 | | | | | | | | | | |
| 9MSC8/C1 | MS 9MSC8 | NEW 230KV PNL 10 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 9MSC8/C2 | MS 9MSC8 | NEW 230KV PNL 10 | 600 | 10 | 8 | M | BS | | | CONTROL |
| 230kV CAP BANK 9C8 GATE SWITCH | | | | | | | | | | |
| 9C8GATE/C1 | 9C8 GATE SWITCH | NEW 230KV PNL 10 | 600 | 10 | 4 | M | BS | | | CONTROL |
| 230kV CAP BANK 9C8 GROUND SWITCH 9134 | | | | | | | | | | |
| 9C8GNDSW/C1 | 9C8 GND SW AUX SW | NEW 230KV PNL 10 | 600 | 10 | 4 | M | BS | | | CONTROL |
| BREAKER 9C7 | | | | | | | | | | |
| 9C7/C1 | BRK 9C7 | NEW 230KV PNL 11 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 9C7/C2 | BKR 9C7 | NEW 230KV PNL 11 | 600 | 10 | 21 | M | BS | | | CONTROL |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 3 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|--|-------------------|------------------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| 9C7/C3 | BKR 9C7 | NEW 230KV PNL 11 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 9C7/9C7PR-1 | BKR 9C7 | NEW 230KV PNL 11 | 600 | 10 | 4 | M | BS | | | CAP 9C7 PRI PROT. |
| 9C7/9C7PR-2 | BKR 9C7 | NEW 230KV PNL 11 | 600 | 10 | 4 | M | BS | | | CAP 9C7 PRI PROT. |
| 9C7/9C7SC-1 | BKR 9C7 | NEW 230KV PNL 11 | 600 | 10 | 4 | M | BS | | | CAP 9C7 SEC PROT. |
| 9C7/9C7SC-2 | BKR 9C7 | NEW 230KV PNL 11 | 600 | 10 | 4 | M | BS | | | CAP 9C7 SEC PROT. |
| 9C7/SBD1-1 | BKR 9C7 | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SOUTH BUS PRI PROT. |
| 9C7/SBD1-2 | BKR 9C7 | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SOUTH BUS PRI PROT. |
| 9C7/SBD2-1 | BKR 9C7 | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SOUH BUS SEC PROT. |
| 9C7/SBD2-2 | BKR 9C7 | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB SEC PROT. |
| 9C7/SSCAC | BKR 9C7 | 230KV S BUS PTJB | 600 | 10 | 2 | M | BS | | | AC POWER SSC |
| 230kV CAP BANK 9C7 | | | | | | | | | | |
| 9C7PT/JB | CAP BANK 9C7 JB | NEW 230KV PNL 11 | 600 | 10 | 4 | M | BS | | | CAP 9C7 PT |
| MOTOR SWITCH 9MSC7 | | | | | | | | | | |
| 9MSC7/C1 | MS 9MSC7 | NEW 230KV PNL 11 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 9MSC7/C2 | MS 9MSC7 | NEW 230KV PNL 11 | 600 | 10 | 8 | M | BS | | | CONTROL |
| 230kV CAP BANK 9C7 GATE SWITCH | | | | | | | | | | |
| 9C7GATE/C1 | 9C7 GATE SWITCH | NEW 230KV PNL 11 | 600 | 10 | 4 | M | BS | | | CONTROL |
| 230kV CAP BANK 9C7 GROUND SWITCH 9135 | | | | | | | | | | |
| 9C7GNDSW/C1 | 9C7 GND SW AUX SW | NEW 230KV PNL 11 | 600 | 10 | 4 | M | BS | | | CONTROL |
| BKR 947N | | | | | | | | | | |
| 947N/C1 | BKR 947N | NEW 230KV PNL 5 | 600 | 10 | 21 | M | BS | | | BKR 947N CONTROL |
| 947N/C2 | BKR 947N | NEW 230KV PNL 5 | 600 | 10 | 21 | M | BS | | | BKR 947N CONTROL |
| 947N/NBD1-1 | BKR 947N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORTH BUS PRI PROT. |
| 947N/NBD1-2 | BKR 947N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORTH BUS PRI PROT. |
| 947N/NBD2-1 | BKR 947N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NB SEC PROT. |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 4 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|------------------|-----------|------------------|------|------|----|-----|------|-----------------|-----------|------------------------|
| 947N/NBD2-2 | BKR 947N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NB SEC PROT. |
| 947N/947PR-1 | BKR 947N | NEW 230KV PNL 5 | 600 | 10 | 4 | M | BS | | | 947 PRI PROT. |
| 947N/947PR-2 | BKR 947N | NEW 230KV PNL 5 | 600 | 10 | 4 | M | BS | | | 947 PRI PROT. |
| 947N/947SC-1 | BKR 947N | NEW 230KV PNL 5 | 600 | 10 | 4 | M | BS | | | 947 SEC. PROT. |
| 947N/947SC-2 | BKR 947N | NEW 230KV PNL 5 | 600 | 10 | 4 | M | BS | | | 947 SEC. PROT. |
| BKR 94147 | | | | | | | | | | |
| 94147/C1 | BKR 94147 | NEW 230KV PNL 5 | 600 | 10 | 21 | M | BS | | | BKR 94147CONTROL |
| 94147/C2 | BKR 94147 | NEW 230KV PNL 5 | 600 | 10 | 21 | M | BS | | | BKR 94147 CONTROL |
| 94147/947PR-1 | BKR 94147 | NEW 230KV PNL 5 | 600 | 10 | 4 | M | BS | | | 947 PRI PROT. |
| 94147/947PR-2 | BKR 94147 | NEW 230KV PNL 5 | 600 | 10 | 4 | M | BS | | | 947 PRI PROT. |
| 94147/947SC-1 | BKR 94147 | NEW 230KV PNL 5 | 600 | 10 | 4 | M | BS | | | 947 SEC PROT. |
| 94147/947SC-2 | BKR 94147 | NEW 230KV PNL 5 | 600 | 10 | 4 | M | BS | | | 947 SEC PROT. |
| 94147/941PR-1 | BKR 94147 | NEW 230KV PNL 4 | 600 | 10 | 4 | M | BS | | | 941 PRI PROT. |
| 94147/941PR-2 | BKR 94147 | NEW 230KV PNL 4 | 600 | 10 | 4 | M | BS | | | 941 PRI PROT. |
| 94147/941SC-1 | BKR 94147 | NEW 230KV PNL 4 | 600 | 10 | 4 | M | BS | | | 941 SEC PROT. |
| 94147/941SC-2 | BKR 94147 | NEW 230KV PNL 4 | 600 | 10 | 4 | M | BS | | | 941 SEC PROT. |
| BKR 941S | | | | | | | | | | |
| 941S/C1 | BKR 941S | NEW 230KV PNL 4 | 600 | 10 | 21 | M | BS | | | BKR 941S CONTROL |
| 941S/C2 | BKR 941S | NEW 230KV PNL 4 | 600 | 10 | 21 | M | BS | | | BKR 941S CONTROL |
| 941S/SBD1-1 | BKR 941S | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB PRI PROT. |
| 941S/SBD1-2 | BKR 941S | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB PRI PROT. |
| 941S/SBD2-1 | BKR 941S | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB SEC PROT. |
| 941S/SBD2-2 | BKR 941S | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB SEC PROT. |
| 941S/941PR-1 | BKR 941S | NEW 230KV PNL 4 | 600 | 10 | 4 | M | BS | | | 941 PRIMARY PROTECTION |
| 941S/941PR-2 | BKR 941S | NEW 230KV PNL 4 | 600 | 10 | 4 | M | BS | | | 941 PRI PROT. |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 5 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|------------------|--|------------------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| 941S/941SC-1 | BKR 941S | NEW230KV PNL 4 | 600 | 10 | 4 | M | BS | | | 941 SEC PROT. |
| 941S/941SC-2 | BKR 941S | NEW230KV PNL 4 | 600 | 10 | 4 | M | BS | | | 941 SEC. PROT. |
| 947PTJB | | | | | | | | | | |
| 947PT/JB | 230KV LINE 947 PT FUSE JUNCTION BOX 947PTJB | NEW 230KV PNL 5 | 600 | 10 | 8 | M | BS | | | LINE 947 PT'S TO PNL 5 |
| 941PTJB | | | | | | | | | | |
| 941PT/JB | 230KV LINE 941 PT FUSE JUNCTION BOX 941PTJB | NEW 230KV PNL 4 | 600 | 10 | 8 | M | BS | | | LINE 941 PT'S TO PNL 4 |
| BKR 936N | | | | | | | | | | |
| 936N/C1 | BKR 936N | NEW 230KV PNL 9 | 600 | 10 | 21 | M | BS | | | BKR 936N CONTROL |
| 936N/C2 | BKR 936N | NEW 230KV PNL 9 | 600 | 10 | 21 | M | BS | | | BKR 936N CONTROL |
| 936N/NBD1-1 | BKR 936N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORTH BUS PRI PROT. |
| 936N/NBD1-2 | BKR 936N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORTH BUS PRI PROT. |
| 936N/NBD2-1 | BKR 936N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NB SEC PROT. |
| 936N/NBD2-2 | BKR 936N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NB SEC PROT. |
| 936N/936PR-1 | BKR 936N | NEW 230KV PNL 9 | 600 | 10 | 4 | M | BS | | | 936 PRI PROT. |
| 936N/936PR-2 | BKR 936N | NEW 230KV PNL 9 | 600 | 10 | 4 | M | BS | | | 936 PRI PROT. |
| 936N/936SC-1 | BKR 936N | NEW 230KV PNL 9 | 600 | 10 | 4 | M | BS | | | 936 SEC. PROT. |
| 936N/936SC-2 | BKR 936N | NEW 230KV PNL 9 | 600 | 10 | 4 | M | BS | | | 936 SEC. PROT. |
| BKR 93640 | | | | | | | | | | |
| 93640/C1 | BKR 93640 | NEW 230KV PNL 9 | 600 | 10 | 21 | M | BS | | | BKR 93640CONTROL |
| 93640/C2 | BKR 93640 | NEW 230KV PNL 9 | 600 | 10 | 21 | M | BS | | | BKR 93640 CONTROL |
| 93640/936PR-1 | BKR 93640 | NEW 230KV PNL 9 | 600 | 10 | 4 | M | BS | | | 936 PRI PROT. |
| 93640/936PR-2 | BKR 93640 | NEW 230KV PNL 9 | 600 | 10 | 4 | M | BS | | | 936 PRI PROT. |
| 93640/936SC-1 | BKR 93640 | NEW 230KV PNL 9 | 600 | 10 | 4 | M | BS | | | 936 SEC PROT. |
| 93640/936SC-2 | BKR 93640 | NEW 230KV PNL 9 | 600 | 10 | 4 | M | BS | | | 936 SEC PROT. |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 6 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|-----------------|--|------------------|------|------|----|-----|------|-----------------|-----------|------------------------|
| 93640/940PR-1 | BKR 93640 | NEW 230KV PNL 2 | 600 | 10 | 4 | M | BS | | | 940 PRI PROT. |
| 93640/940PR-2 | BKR 93640 | NEW 230KV PNL 2 | 600 | 10 | 4 | M | BS | | | 940 PRI PROT. |
| 93640/940SC-1 | BKR 93640 | NEW 230KV PNL 2 | 600 | 10 | 4 | M | BS | | | 940 SEC PROT. |
| 93640/940SC-2 | BKR 93640 | NEW 230KV PNL 2 | 600 | 10 | 4 | M | BS | | | 940 PRI PROT. |
| BKR 940S | | | | | | | | | | |
| 940S/C1 | BKR 940S | NEW 230KV PNL 2 | 600 | 10 | 21 | M | BS | | | BKR 940S CONTROL |
| 940S/C2 | BKR 940S | NEW 230KV PNL 2 | 600 | 10 | 21 | M | BS | | | BKR 940S CONTROL |
| 940S/SBD1-1 | BKR 940S | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB PRI PROT. |
| 940S/SBD1-2 | BKR 940S | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB PRI PROT. |
| 940S/SBD2-1 | BKR 940S | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB SEC PROT. |
| 940S/SBD2-2 | BKR 940S | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB SEC PROT. |
| 940S/940PR-1 | BKR 940S | NEW 230KV PNL 2 | 600 | 10 | 4 | M | BS | | | 940 PRI PROT. |
| 940S/940PR-2 | BKR 940S | NEW 230KV PNL 2 | 600 | 10 | 4 | M | BS | | | 940 PRI PROT. |
| 940S/940SC-1 | BKR 940S | NEW230KV PNL 2 | 600 | 10 | 4 | M | BS | | | 940 SEC PROT. |
| 940S/940SC-2 | BKR 940S | NEW230KV PNL 2 | 600 | 10 | 4 | M | BS | | | 940 SEC. PROT. |
| 936PTJB | | | | | | | | | | |
| 936PT/JB | 230KV LINE 936 PT FUSE JUNCTION BOX 936PTJB | NEW 230KV PNL 9 | 600 | 10 | 8 | M | BS | | | LINE 936 PT'S TO PNL 9 |
| 940PTJB | | | | | | | | | | |
| 940PT/JB | 230KV LINE 940 PT FUSE JUNCTION BOX 940PTJB | NEW 230KV PNL 2 | 600 | 10 | 8 | M | BS | | | LINE 940 PT'S TO PNL 2 |
| 944PTJB | | | | | | | | | | |
| 944PT/JB | 230KV LINE 944 PT FUSE JUNCTION BOX 944PTJB | NEW 230KV PNL 3 | 600 | 10 | 8 | M | BS | | | LINE 944 PT'S TO PNL 3 |
| BKR 927N | | | | | | | | | | |
| 927N/C1 | BKR 927N | NEW 230KV PNL 7 | 600 | 10 | 21 | M | BS | | | BKR 927N CONTROL |
| 927N/C2 | BKR 927N | NEW 230KV PNL 7 | 600 | 10 | 21 | M | BS | | | BKR 927N CONTROL |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 7 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|------------------|--|------------------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| 927N/NBD1-1 | BKR 927N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORTH BUS PRI PROT. |
| 927N/NBD1-2 | BKR 927N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NORTH BUS PRI PROT. |
| 927N/NBD2-1 | BKR 927N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NB SEC PROT. |
| 927N/NBD2-2 | BKR 927N | NEW 230KV PNL 14 | 600 | 10 | 4 | M | BS | | | 230KV NB SEC PROT. |
| 927N/927PR-1 | BKR 927N | NEW 230KV PNL 7 | 600 | 10 | 4 | M | BS | | | 927 PRI PROT. |
| 927N/927PR-2 | BKR 927N | NEW 230KV PNL 7 | 600 | 10 | 4 | M | BS | | | 927 PRI PROT. |
| 927N/927SC-1 | BKR 927N | NEW 230KV PNL 7 | 600 | 10 | 4 | M | BS | | | 927 SEC. PROT. |
| 927N/927SC-2 | BKR 927N | NEW 230KV PNL 7 | 600 | 10 | 4 | M | BS | | | 927 SEC. PROT. |
| BKR 92728 | | | | | | | | | | |
| 92728/C1 | BKR 92728 | NEW 230KV PNL 7 | 600 | 10 | 21 | M | BS | | | BKR 92728CONTROL |
| 92728/C2 | BKR 92728 | NEW 230KV PNL 7 | 600 | 10 | 21 | M | BS | | | BKR 92728 CONTROL |
| 92728/927PR-1 | BKR 92728 | NEW 230KV PNL 7 | 600 | 10 | 4 | M | BS | | | 927 PRI PROT. |
| 92728/927PR-2 | BKR 92728 | NEW 230KV PNL 7 | 600 | 10 | 4 | M | BS | | | 927 PRI PROT. |
| 92728/927SC-1 | BKR 92728 | NEW 230KV PNL 7 | 600 | 10 | 4 | M | BS | | | 927 SEC PROT. |
| 92728/927SC-2 | BKR 92728 | NEW 230KV PNL 7 | 600 | 10 | 4 | M | BS | | | 927 SEC PROT. |
| 92728/928PR-1 | BKR 92728 | NEW 230KV PNL 8 | 600 | 10 | 4 | M | BS | | | 928 PRI PROT. |
| 92728/928PR-2 | BKR 92728 | NEW 230KV PNL 8 | 600 | 10 | 4 | M | BS | | | 928 PRI PROT. |
| 92728/928SC-1 | BKR 92728 | NEW 230KV PNL 8 | 600 | 10 | 4 | M | BS | | | 928 SEC PROT. |
| 92728/928SC-2 | BKR 92728 | NEW 230KV PNL 8 | 600 | 10 | 4 | M | BS | | | 928 PRI PROT. |
| 927PTJB | | | | | | | | | | |
| 927PT/JB | 230KV LINE 927 PT FUSE JUNCTION BOX 927PTJB | NEW 230KV PNL 7 | 600 | 10 | 8 | M | BS | | | LINE 927 PT'S TO PNL 7 |
| 928PTJB | | | | | | | | | | |
| 928PT/JB | 230KV LINE 928 PT FUSE JUNCTION BOX 928PTJB | NEW 230KV PNL 8 | 600 | 10 | 8 | M | BS | | | LINE 928 PT'S TO PNL 8 |
| BKR 9T8 | | | | | | | | | | |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 8 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|----------------------|--|------------------|------|------|----|-----|------|-----------------|-----------|-------------------------|
| 9T8/C1 | BKR 9T8 | NEW 230KV PNL 19 | 600 | 10 | 21 | M | BS | | | BKR 9T8 CONTROL |
| 9T8/C2 | BKR 9T8 | NEW 230KV PNL 19 | 600 | 10 | 21 | M | BS | | | BKR 9T8 CONTROL |
| 9T8/SBD1-1 | BKR 9T8 | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB PRI PROT. |
| 9T8/SBD1-2 | BKR 9T8 | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB PRI PROT. |
| 9T8/SBD2-1 | BKR 9T8 | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB SEC PROT. |
| 9T8/SBD2-2 | BKR 9T8 | NEW 230KV PNL 13 | 600 | 10 | 4 | M | BS | | | 230KV SB SEC PROT. |
| 9T8/T8PR-1 | BKR 9T8 | NEW 230KV PNL 19 | 600 | 10 | 4 | M | BS | | | T8 PRIMARY PROTECTION |
| 9T8/T8PR-2 | BKR 9T8 | NEW 230KV PNL 19 | 600 | 10 | 4 | M | BS | | | T8 PRIMARY PROTECTION |
| 9T8/9T8SC-1 | BKR 9T8 | NEW 230KV PNL 19 | 600 | 10 | 4 | M | BS | | | T8 SECONDARY PROTECTION |
| 9T8/9T8SC-2 | BKR 9T8 | NEW 230KV PNL 19 | 600 | 10 | 4 | M | BS | | | T8 SECONDARY PROTECTION |
| 230KV NB PTJB | | | | | | | | | | |
| 230KVBPT/JB | 230KV NB PT FUSE JUNCTION BOX 230KVBPTJB | NEW 230KV PNL 14 | 600 | 10 | 8 | M | BS | | | 230KV NB PT'S TO PNL 14 |
| 230KV SB PTJB | | | | | | | | | | |
| 230KVBPT/JB | 230KV SB PT FUSE JUNCTION BOX 230KVBPTJB | NEW 230KV PNL 13 | 600 | 10 | 8 | M | BS | | | 230KV SB PT'S TO PNL 13 |
| XFMR T6 | | | | | | | | | | |
| T6/C1 | XFMR T6 | NEW 230KV PNL 17 | 600 | 10 | 21 | M | BS | | | XFMR T6 CONTROL |
| T6/C2 | XFMR T6 | NEW 230KV PNL 17 | 600 | 10 | 21 | M | BS | | | XFMR T6 CONTROL |
| T6/C3 | XFMR T6 | NEW 230KV PNL 18 | 600 | 10 | 21 | M | BS | | | XFMR T6 CONTROL |
| T6/C4 | XFMR T6 | NEW 230KV PNL 18 | 600 | 10 | 4 | M | BS | | | XFMR T6 CONTROL |
| XFMR T7 | | | | | | | | | | |
| T7/C1 | XFMR T7 | NEW 230KV PNL 21 | 600 | 10 | 21 | M | BS | | | XFMR T7 CONTROL |
| T7/C2 | XFMR T7 | NEW 230KV PNL 21 | 600 | 10 | 21 | M | BS | | | XFMR T7 CONTROL |
| T7/C3 | XFMR T7 | NEW 230KV PNL 22 | 600 | 10 | 21 | M | BS | | | XFMR T7 CONTROL |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 9 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|------------|---------|------------------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| T7/C4 | XFMR T7 | NEW 230KV PNL 22 | 600 | 10 | 4 | M | BS | | | XFMR T7 CONTROL |
| T7/G-1 | XFMR T7 | NEW 230KV PNL 21 | 600 | 10 | 4 | M | BS | | | XFMR T7 PRI PROT. |
| T7/G-2 | XFMR T7 | NEW 230KV PNL 21 | 600 | 10 | 4 | M | BS | | | XFMR T7 PRI PROT. |
| XFMR T8 | | | | | | | | | | |
| T8/C1 | XFMR T8 | NEW 230KV PNL 19 | 600 | 10 | 21 | M | BS | | | XFMR T8 CONTROL |
| T8/C2 | XFMR T8 | NEW 230KV PNL 19 | 600 | 10 | 21 | M | BS | | | XFMR T8 CONTROL |
| T8/C3 | XFMR T8 | NEW 230KV PNL 20 | 600 | 10 | 21 | M | BS | | | XFMR T8 CONTROL |
| T8/C4 | XFMR T8 | NEW 230KV PNL 20 | 600 | 10 | 4 | M | BS | | | XFMR T8 CONTROL |
| T8/G-1 | XFMR T8 | NEW 230KV PNL 19 | 600 | 10 | 4 | M | BS | | | XFMR T8 PRI PROT. |
| T8/G-2 | XFMR T8 | NEW 230KV PNL 19 | 600 | 10 | 4 | M | BS | | | XFMR T8 PRI PROT. |
| BKR 8T6 | | | | | | | | | | |
| 8T6/C1 | BKR 8T6 | NEW 138KV PNL 18 | 600 | 10 | 21 | M | BS | | | BKR 8T6 CONTROL |
| 8T6/C2 | BKR 8T6 | NEW 138KV PNL 18 | 600 | 10 | 21 | M | BS | | | BKR 8T6 CONTROL |
| 8T6/NBD1-1 | BKR 8T6 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 8T6/NBD1-2 | BKR 8T6 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 8T6/NBD2-1 | BKR 8T6 | NEW 138KV PNL 18 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| 8T6/NBD2-2 | BKR 8T6 | NEW 138KV PNL 18 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| 8T6/T6PR-1 | BKR 8T6 | NEW 138KV PNL 17 | 600 | 10 | 4 | M | BS | | | T6 PRI PROT. |
| 8T6/T6PR-2 | BKR 8T6 | NEW 138KV PNL 17 | 600 | 10 | 4 | M | BS | | | T6 PRI PROT. |
| 8T6/T6SC-2 | BKR 8T6 | NEW 138KV PNL 17 | 600 | 10 | 4 | M | BS | | | T6 SEC. PROT. |
| 8T6/T6SC-2 | BKR 8T6 | NEW 138KV PNL 17 | 600 | 10 | 4 | M | BS | | | T6 SEC. PROT. |
| BKR 8T7 | | | | | | | | | | |
| 8T7/C1 | BKR 8T7 | NEW 138KV PNL 22 | 600 | 10 | 21 | M | BS | | | BKR 8T7 CONTROL |
| 8T7/C2 | BKR 8T7 | NEW 138KV PNL 22 | 600 | 10 | 21 | M | BS | | | BKR 8T7 CONTROL |
| 8T7/SBD1-1 | BKR 8T7 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 10 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|----------------|---------|------------------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| 8T7/SBD1-2 | BKR 8T7 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8T7/SBD2-1 | BKR 8T7 | NEW 138KV PNL 22 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 8T7/SBD2-2 | BKR 8T7 | NEW 138KV PNL 22 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 8T7/T7PR-1 | BKR 8T7 | NEW 138KV PNL 21 | 600 | 10 | 4 | M | BS | | | T7 PRI PROT. |
| 8T7/T7PR-2 | BKR 8T7 | NEW 138KV PNL 21 | 600 | 10 | 4 | M | BS | | | T7 PRI PROT. |
| 8T7/T7SC-1 | BKR 8T7 | NEW 138KV PNL 21 | 600 | 10 | 4 | M | BS | | | T7 SEC. PROT. |
| 8T7/T7SC-2 | BKR 8T7 | NEW 138KV PNL 21 | 600 | 10 | 4 | M | BS | | | T7 SEC. PROT. |
| BKR 8T8 | | | | | | | | | | |
| 8T8/C1 | BKR 8T8 | NEW 138KV PNL 20 | 600 | 10 | 21 | M | BS | | | BKR 8T8 CONTROL |
| 8T8/C2 | BKR 8T8 | NEW 138KV PNL 20 | 600 | 10 | 21 | M | BS | | | BKR 8T8 CONTROL |
| 8T8/SBD1-1 | BKR 8T8 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8T8/SBD1-2 | BKR 8T8 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8T8/SBD2-1 | BKR 8T8 | NEW 138KV PNL 20 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 8T8/SBD2-2 | BKR 8T8 | NEW 138KV PNL 20 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 8T8/T8PR-1 | BKR 8T8 | NEW 138KV PNL 19 | 600 | 10 | 4 | M | BS | | | T8 PRI PROT. |
| 8T8/T8PR-2 | BKR 8T8 | NEW 138KV PNL 19 | 600 | 10 | 4 | M | BS | | | T8 PRI PROT. |
| 8T8/T8SC-1 | BKR 8T8 | NEW 138KV PNL 19 | 600 | 10 | 4 | M | BS | | | T8 SEC. PROT. |
| 8T8/T8SC-2 | BKR 8T8 | NEW 138KV PNL 19 | 600 | 10 | 4 | M | BS | | | T8 SEC. PROT. |
| BKR 835 | | | | | | | | | | |
| 835/C1 | BKR 835 | NEW 138KV PNL 25 | 600 | 10 | 21 | M | BS | | | BKR 835 CONTROL |
| 835/C2 | BKR 835 | NEW 138KV PNL 25 | 600 | 10 | 21 | M | BS | | | BKR 835 CONTROL |
| 835/NBD1-1 | BKR 835 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 835/NBD1-2 | BKR 835 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 835/NBD2-1 | BKR 835 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| 835/NBD2-2 | BKR 835 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 11 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|----------------|---------|------------------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| 835/835PR-1 | BKR 835 | NEW 138KV PNL 25 | 600 | 10 | 4 | M | BS | | | 835 PRI PROT. |
| 835/835PR-2 | BKR 835 | NEW 138KV PNL 25 | 600 | 10 | 4 | M | BS | | | 835 PRI PROT. |
| 835/835SC-1 | BKR 835 | NEW 138KV PNL 25 | 600 | 10 | 4 | M | BS | | | 835 SEC. PROT. |
| 835/835SC-2 | BKR 835 | NEW 138KV PNL 25 | 600 | 10 | 4 | M | BS | | | 835 SEC. PROT. |
| BKR 837 | | | | | | | | | | |
| 837/C1 | BKR 837 | NEW 138KV PNL 28 | 600 | 10 | 21 | M | BS | | | BKR 837 CONTROL |
| 837/C2 | BKR 837 | NEW 138KV PNL 28 | 600 | 10 | 21 | M | BS | | | BKR 837 CONTROL |
| 837/NBD1-1 | BKR 837 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 837/NBD1-2 | BKR 837 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 837/NBD2-1 | BKR 837 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| 837/NBD2-2 | BKR 837 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| 837/837PR-1 | BKR 837 | NEW 138KV PNL 28 | 600 | 10 | 4 | M | BS | | | 837 PRI PROT. |
| 837/837PR-2 | BKR 837 | NEW 138KV PNL 28 | 600 | 10 | 4 | M | BS | | | 837 PRI PROT. |
| 837/837SC-1 | BKR 837 | NEW 138KV PNL 28 | 600 | 10 | 4 | M | BS | | | 837 SEC. PROT. |
| 837/837SC-2 | BKR 837 | NEW 138KV PNL 28 | 600 | 10 | 4 | M | BS | | | 837 SEC. PROT. |
| BKR 832 | | | | | | | | | | |
| 832/C1 | BKR 832 | NEW 138KV PNL 27 | 600 | 10 | 21 | M | BS | | | BKR 832 CONTROL |
| 832/C2 | BKR 832 | NEW 138KV PNL 27 | 600 | 10 | 21 | M | BS | | | BKR 832 CONTROL |
| 832/SBD1-1 | BKR 832 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 832/SBD1-2 | BKR 832 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 832/SBD2-1 | BKR 832 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 832/SBD2-2 | BKR 832 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 832/832PR-1 | BKR 832 | NEW 138KV PNL 27 | 600 | 10 | 4 | M | BS | | | 832 PRI PROT. |
| 832/832PR-2 | BKR 832 | NEW 138KV PNL 27 | 600 | 10 | 4 | M | BS | | | 832 PRI PROT. |
| 832/832SC-1 | BKR 832 | NEW 138KV PNL 27 | 600 | 10 | 4 | M | BS | | | 832 SEC. PROT. |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 12 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|--------------------|---------|------------------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| 832/832SC-2 | BKR 832 | NEW 138KV PNL 27 | 600 | 10 | 4 | M | BS | | | 832 SEC. PROT. |
| BKR 838 | | | | | | | | | | |
| 838/C1 | BKR 838 | NEW 138KV PNL 26 | 600 | 10 | 21 | M | BS | | | BKR 838 CONTROL |
| 838/C2 | BKR 838 | NEW 138KV PNL 26 | 600 | 10 | 21 | M | BS | | | BKR 838 CONTROL |
| 838/SBD1-1 | BKR 838 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 838/SBD1-2 | BKR 838 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 838/SBD2-1 | BKR 838 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 838/SBD2-2 | BKR 838 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 838/838PR-1 | BKR 838 | NEW 138KV PNL 26 | 600 | 10 | 4 | M | BS | | | 838 PRI PROT. |
| 838/838PR-2 | BKR 838 | NEW 138KV PNL 26 | 600 | 10 | 4 | M | BS | | | 838 PRI PROT. |
| 838/838SC-1 | BKR 838 | NEW 138KV PNL 26 | 600 | 10 | 4 | M | BS | | | 838 SEC. PROT. |
| 838/838SC-2 | BKR 838 | NEW 138KV PNL 26 | 600 | 10 | 4 | M | BS | | | 838 SEC. PROT. |
| BKR 8NS | | | | | | | | | | |
| 8NS/C1 | BKR 8NS | NEW 138KV PNL 23 | 600 | 10 | 21 | M | BS | | | BKR 8NS CONTROL |
| 8NS/C2 | BKR 8NS | NEW 138KV PNL 23 | 600 | 10 | 21 | M | BS | | | BKR 8NS CONTROL |
| 8NS/NBD1-1 | BKR 8NS | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 8NS/NBD1-2 | BKR 8NS | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 8NS/NBD2-1 | BKR 8NS | NEW 138KV PNL 23 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| 8NS/NBD2-2 | BKR 8NS | NEW 138KV PNL 23 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| 8NS/SBD1-1 | BKR 8NS | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8NS/SBD1-2 | BKR 8NS | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8NS/SBD2-1 | BKR 8NS | NEW 138KV PNL 23 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 8NS/SBD2-2 | BKR 8NS | NEW 138KV PNL 23 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| BREAKER 8C1 | | | | | | | | | | |
| 8C1/C1 | BRK 8C1 | NEW 138KV PNL 24 | 600 | 10 | 21 | M | BS | | | CONTROL |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 13 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|---------------------------|--|------------------|------|------|----|-----|------|-----------------|-----------|--|
| 8C1/C2 | BKR 8C1 | NEW 138KV PNL 24 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 8C1/C3 | BKR 8C1 | NEW 138KV PNL 24 | 600 | 10 | 21 | M | BS | | | CONTROL |
| 8C1/8C1PR-1 | BKR 8C1 | NEW 138KV PNL 24 | 600 | 10 | 4 | M | BS | | | CAP 8C1 PRI PROT. |
| 8C1/8C1PR-2 | BKR 8C1 | NEW 138KV PNL 24 | 600 | 10 | 4 | M | BS | | | CAP 8C1 PRI PROT. |
| 8C1/8C1SC-1 | BKR 8C1 | NEW 138KV PNL 24 | 600 | 10 | 4 | M | BS | | | CAP 8C1 SEC PROT. |
| 8C1/8C1SC-2 | BKR 8C1 | NEW 138KV PNL 24 | 600 | 10 | 4 | M | BS | | | CAP 8C1 SEC PROT. |
| 8C1/SBD1-1 | BKR 8C1 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8C1/SBD1-2 | BKR 8C1 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8C1/SBD2-1 | BKR 8C1 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 8C1/SBD2-2 | BKR 8C1 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 8C1/SSCAC | BKR 8C1 | 138KV S BUS PTJB | 600 | 10 | 2 | M | BS | | | AC POWER SSC |
| 138KV CAP BANK 8C1 | | | | | | | | | | |
| 8C1PT/JB | CAP BANK 8C1 NETURAL PT | NEW 138KV PNL 24 | 600 | 10 | 4 | M | BS | | | CAP 8C1 PT |
| 138KV NB PTJB | | | | | | | | | | |
| 138KVBPT/JB | 138KV NB PT FUSE JUNCTION BOX 138KVBPTJB | NEW 138KV PNL 15 | 600 | 10 | 8 | M | BS | | | 138KV NB PT'S TO PNL 15 |
| 138KV SB PTJB | | | | | | | | | | |
| 138KVBPT/JB | 138KV SB PT FUSE JUNCTION BOX 138KVBPTJB | NEW 138KV PNL 16 | 600 | 10 | 8 | M | BS | | | 138KV SB PT'S TO PNL 16 |
| SBPT/JB2 | 38KV SB PT FUSE JUNCTION BOX 138KVBPTJB | OLD 26KV PNL 22 | 600 | 10 | 8 | M | BS | | | 138KV SB PT'S TO 26KV CONTROL HOUSE |
| BKR 8T1 | | | | | | | | | | |
| 8T1/C1 | BKR 8T1 | NEW 138KV PNL 29 | 600 | 10 | 21 | M | BS | | | BKR 8T1 CONTROL |
| 8T1/C2 | BKR 8T1 | NEW 138KV PNL 29 | 600 | 10 | 21 | M | BS | | | BKR 8T1 CONTROL |
| 8T1/NBD1-1 | BKR 8T1 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 14 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|-----------------|------------------|------------------|------|------|----|-----|------|-----------------|-----------|---|
| 8T1/NBD1-2 | BKR 8T1 | NEW 138KV PNL 15 | 600 | 10 | 4 | M | BS | | | 138KV NORTH BUS PRI PROT. |
| 8T1/NBD2-1 | BKR 8T1 | NEW 138KV PNL 29 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| 8T1/NBD2-2 | BKR 8T1 | NEW 138KV PNL 29 | 600 | 10 | 4 | M | BS | | | 138KV NB SEC PROT. |
| P21(26KV)P29/C1 | NEW 138KV PNL 29 | OLD 26KV PNL 21 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P21(26KV)P29/C2 | NEW 138KV PNL 29 | OLD 26KV PNL 21 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P21(26KV)P29/C3 | NEW 138KV PNL 29 | OLD 26KV PNL 21 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P21(26KV)P29/C4 | NEW 138KV PNL 29 | OLD 26KV PNL 21 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P21(26KV)P29/C5 | NEW 138KV PNL 29 | OLD 26KV PNL 21 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P21(26KV)P29/C6 | NEW 138KV PNL 29 | OLD 26KV PNL 21 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| BKR 8T2 | | | | | | | | | | |
| 8T2/C1 | BKR 8T2 | NEW 138KV PNL 29 | 600 | 10 | 21 | M | BS | | | BKR 8T2 CONTROL |
| 8T2/C2 | BKR 8T2 | NEW 138KV PNL 29 | 600 | 10 | 21 | M | BS | | | BKR 8T2 CONTROL |
| 8T2/SBD1-1 | BKR 8T2 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8T2/SBD1-2 | BKR 8T2 | NEW 138KV PNL 16 | 600 | 10 | 4 | M | BS | | | 138KV SOUTH BUS PRI PROT. |
| 8T2/SBD2-1 | BKR 8T2 | NEW 138KV PNL 29 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| 8T2/SBD2-2 | BKR 8T2 | NEW 138KV PNL 29 | 600 | 10 | 4 | M | BS | | | 138KV SB SEC PROT. |
| P22(26KV)P29/C1 | NEW 138KV PNL 29 | OLD 26KV PNL 22 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P22(26KV)P29/C2 | NEW 138KV PNL 29 | OLD 26KV PNL 22 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P22(26KV)P29/C3 | NEW 138KV PNL 29 | OLD 26KV PNL 22 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P22(26KV)P29/C4 | NEW 138KV PNL 29 | OLD 26KV PNL 22 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| P22(26KV)P29/C5 | NEW 138KV PNL 29 | OLD 26KV PNL 22 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |

NORMANDY SUBSTATION

CABLE SCHEDULE NORMANDY APSTF

PAGE: 15 OF 15

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|-----------------|------------------|-----------------|------|------|----|-----|------|-----------------|-----------|---|
| P22(26KV)P29/C6 | NEW 138KV PNL 29 | OLD 26KV PNL 22 | 600 | 10 | 4 | M | BS | | | CONTROL FROM 230KV TO 26KV CONTROL HOUSE |
| | | | | | | | | | | |