

# **ANEXO 3**

## **CONDICIONES DE LA RED EN LOS CASOS CON TRANSFERENCIA PARA LOS ESCENARIOS 2018 Y 2019**

# ESCENARIOS 2018

## **Demanda Máxima Diurna Época Seca 2018 GUA -> ESA**

TI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM18  
ESTUDIOS ERT2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

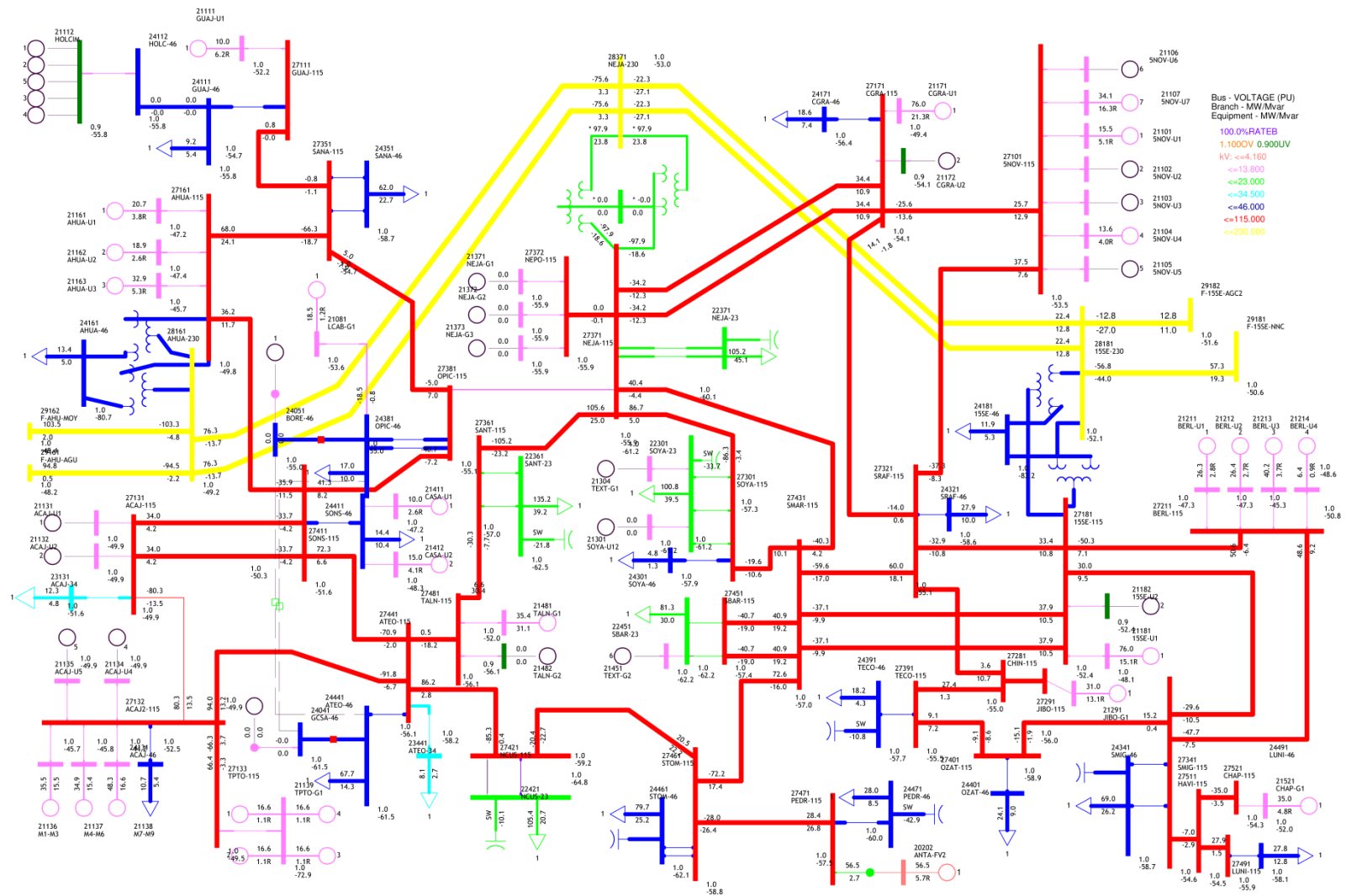
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM18  
ESTUDIOS ERT2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |                |                |                |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|----------------|----------------|----------------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING PERCENT | RATING PERCENT | RATING PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 56.0 | 50.0  | 112.0 | 50.0 | 112.0   | 50.0           | 112.0          |                |



## **Demanda Máxima Diurna Época Seca 2018 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM18  
ESTUDIOS ERT2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

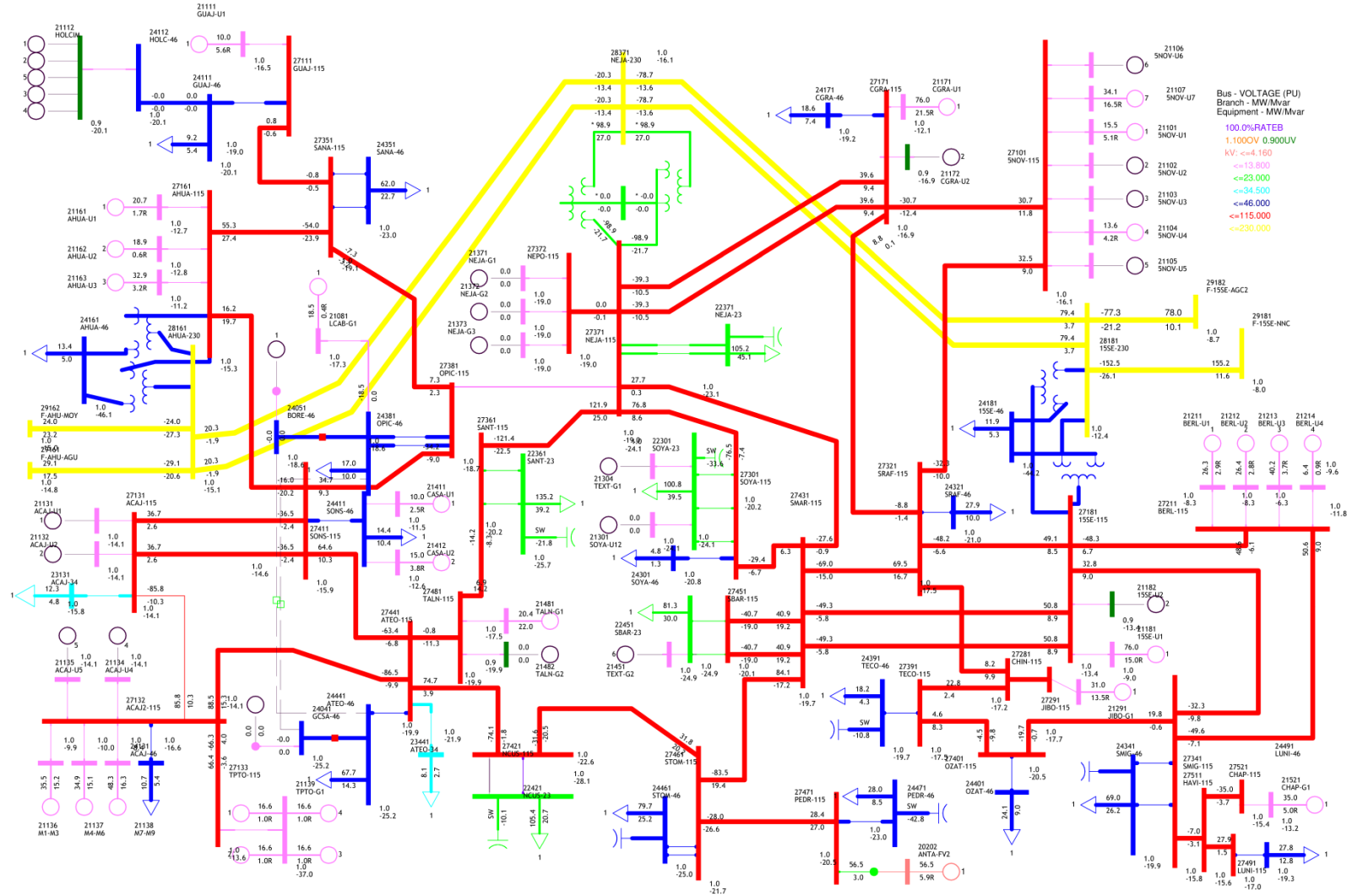
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM18  
ESTUDIOS ERT2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |        |         |        |         |        |         |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|--------|---------|--------|---------|--------|---------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING | PERCENT | RATING | PERCENT | RATING | PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 56.0 | 50.0  | 112.1 | 50.0 | 112.1   | 50.0   | 112.1   | 50.0   | 112.1   | 50.0   | 112.1   |



## **Demanda Máxima Diurna Época Seca 2018 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM18  
ESTUDIOS ERT2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

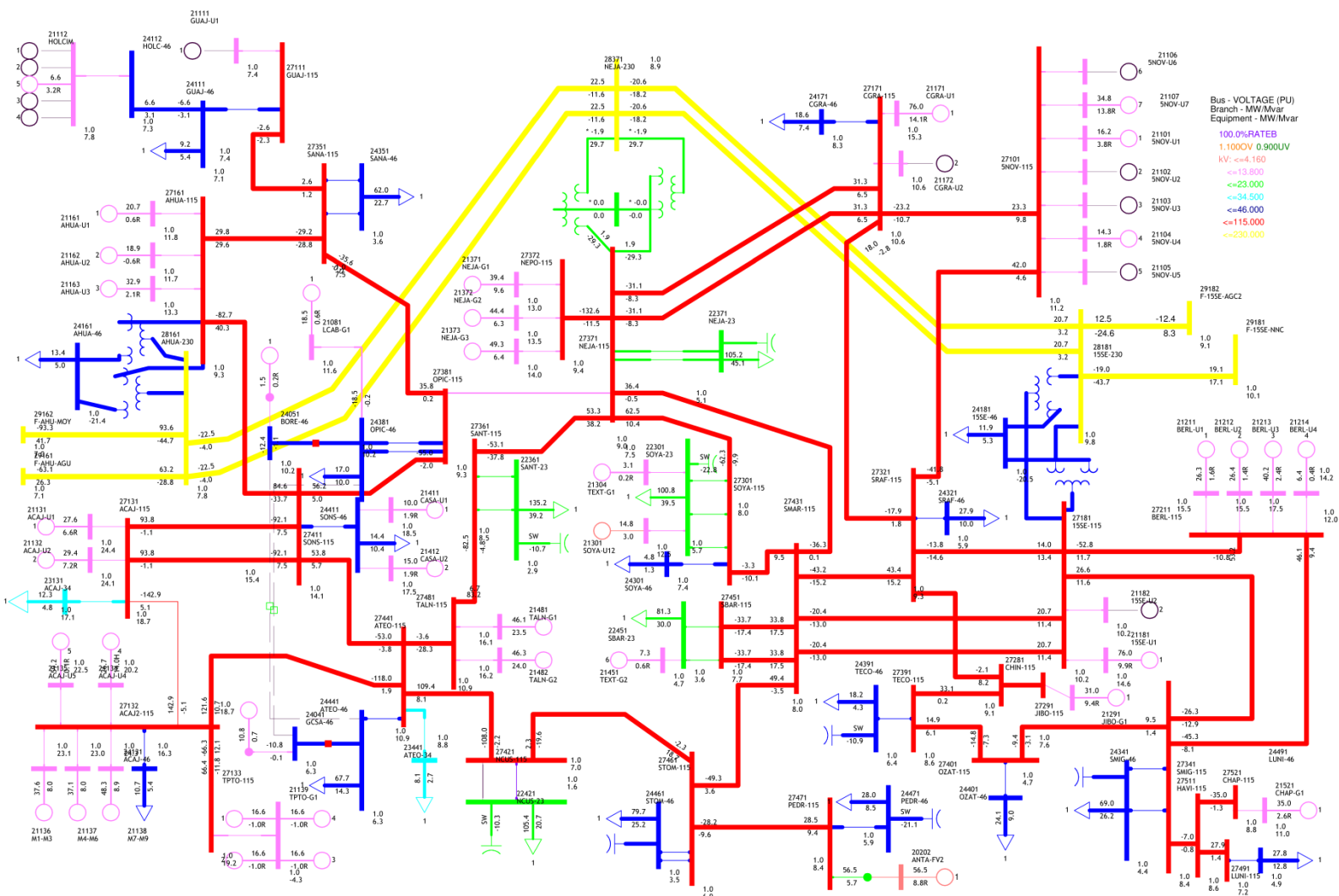
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM18  
ESTUDIOS ERT2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |                |                |                |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|----------------|----------------|----------------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING PERCENT | RATING PERCENT | RATING PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 55.5 | 50.0  | 111.0 | 50.0 | 111.0   | 50.0           | 111.0          |                |



## Demanda Máxima Diurna Época Seca 2018 ESA -> HON

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM18  
ESTUDIOS ERT2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

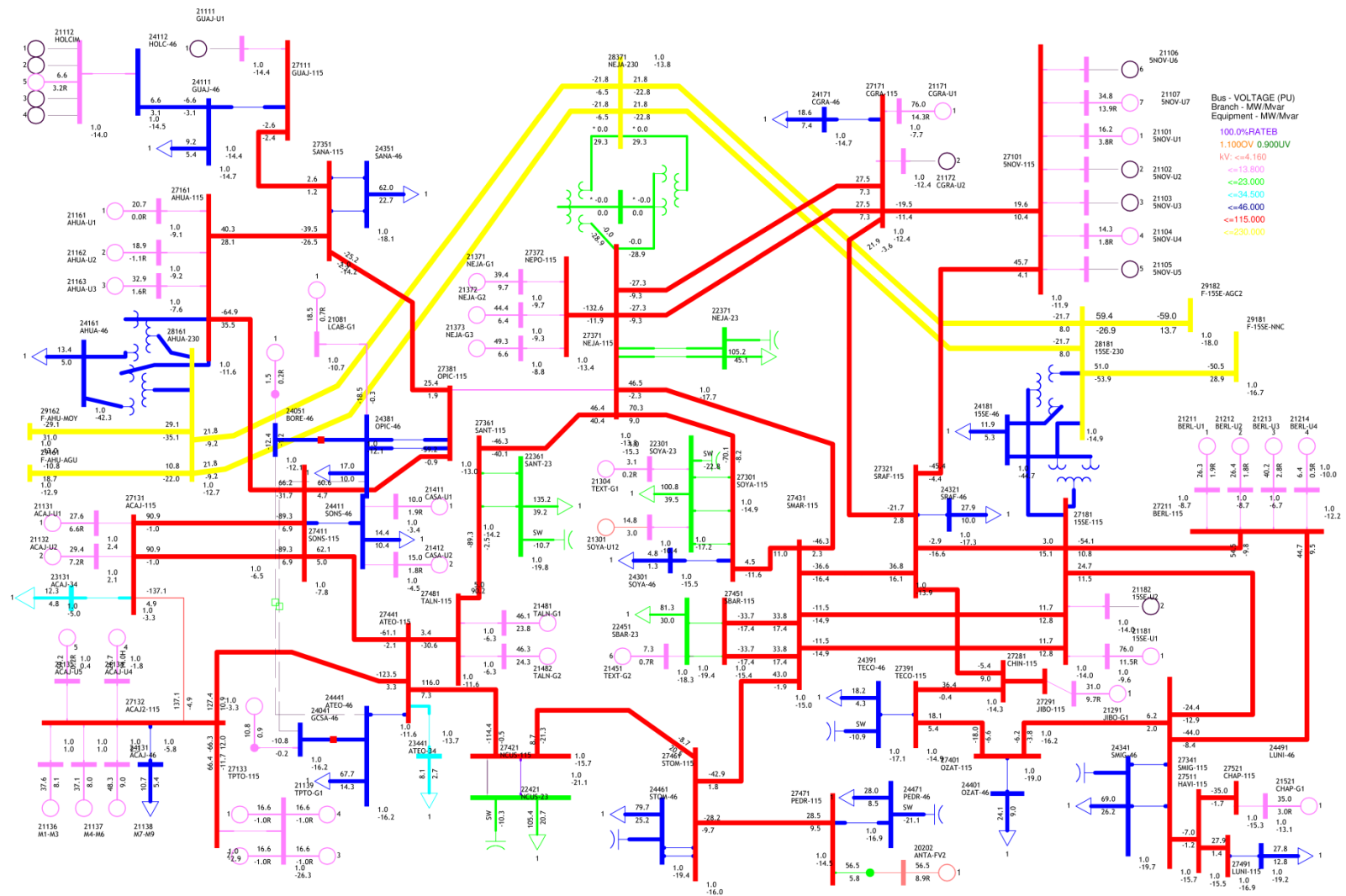
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM18  
ESTUDIOS ERT2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |        |         |        |         |        |         |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|--------|---------|--------|---------|--------|---------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING | PERCENT | RATING | PERCENT | RATING | PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 55.5 | 50.0  | 111.0 | 50.0 | 111.0   | 50.0   | 111.0   | 50.0   | 111.0   | 50.0   | 111.0   |



## **Demanda Máxima Nocturna Época Seca 2018 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

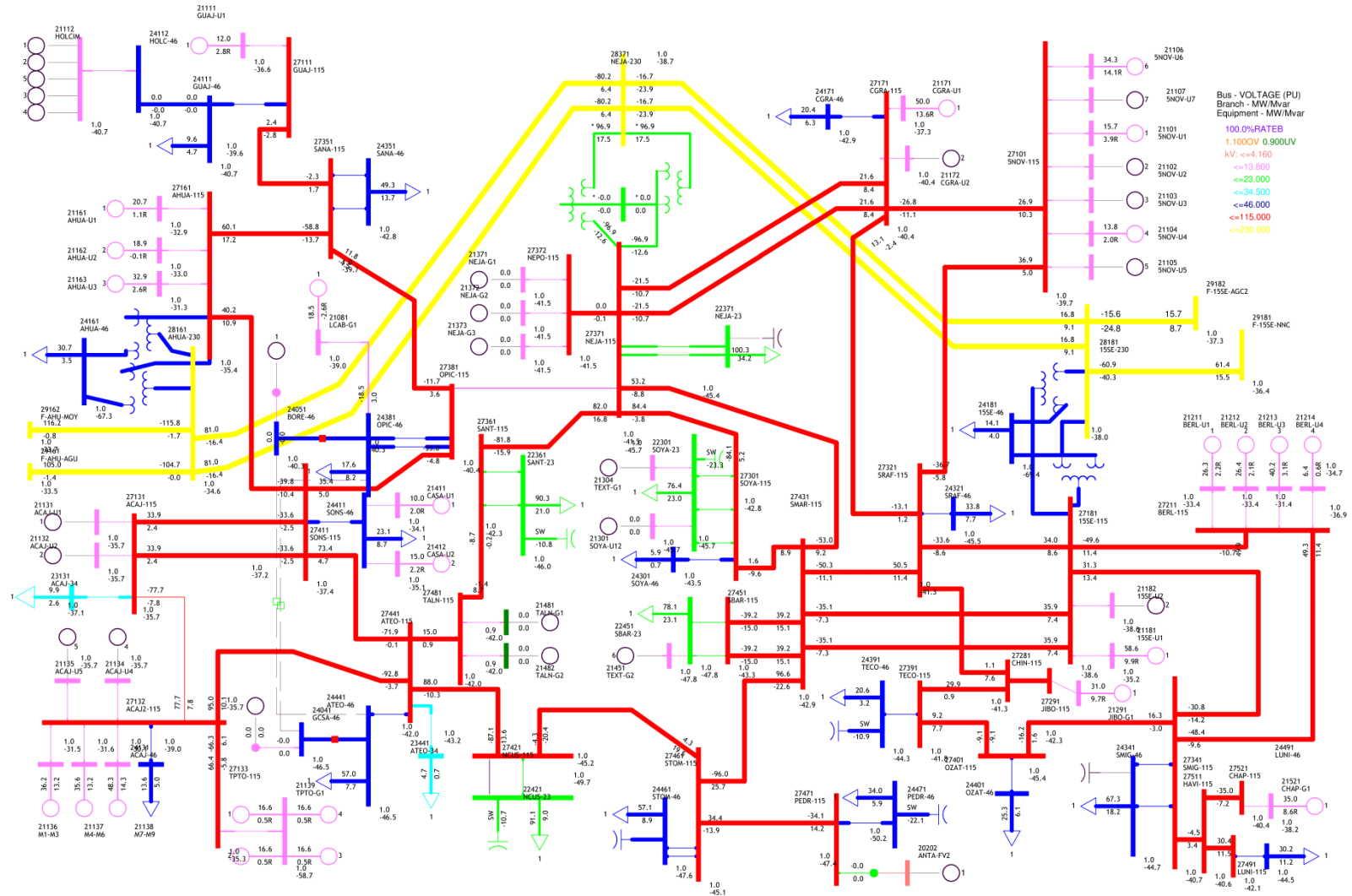
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Seca 2018 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM18  
ESTUDIOS ERT 2018-2019

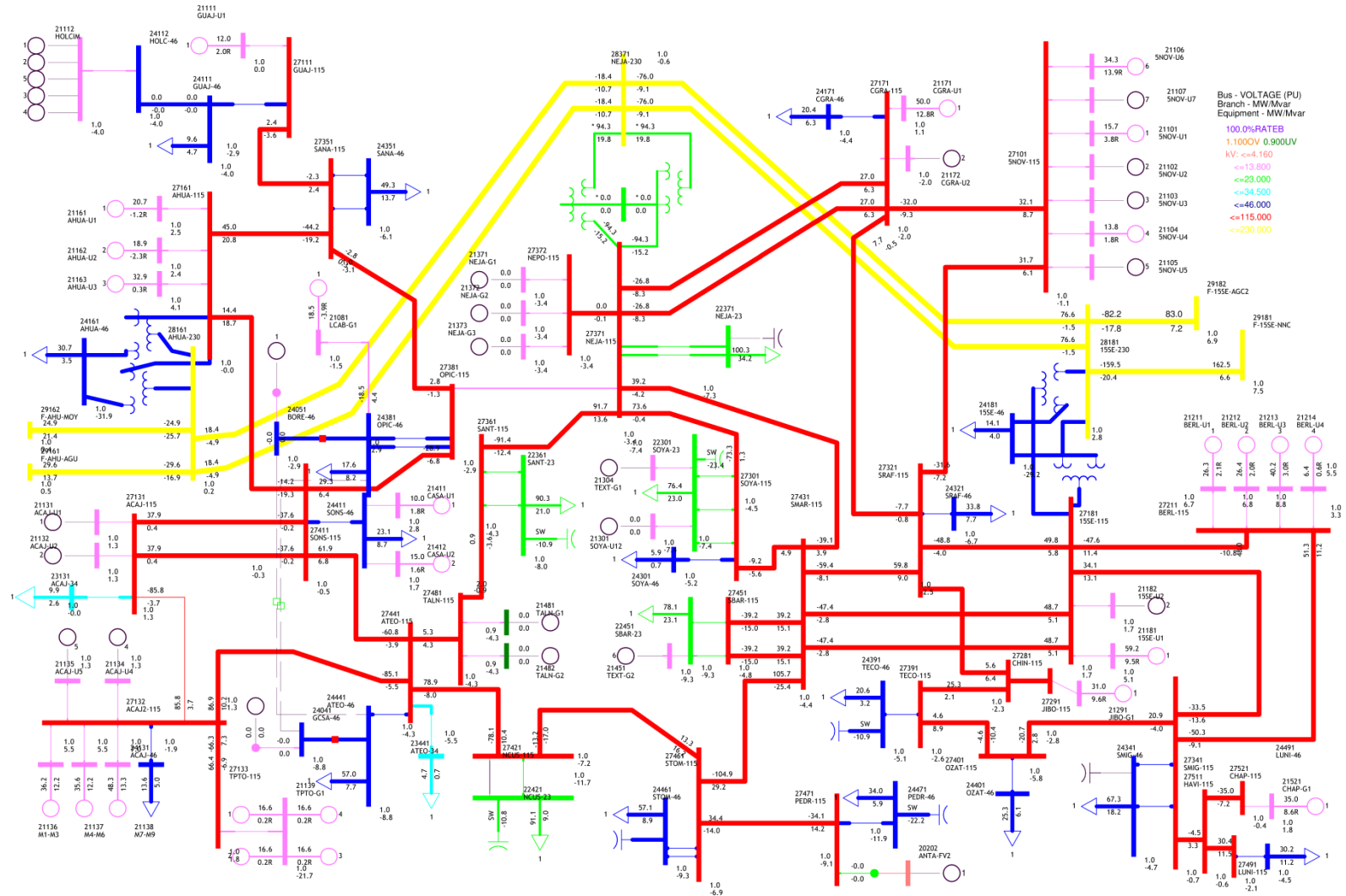
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Seca 2018 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM18  
ESTUDIOS ERT 2018-2019

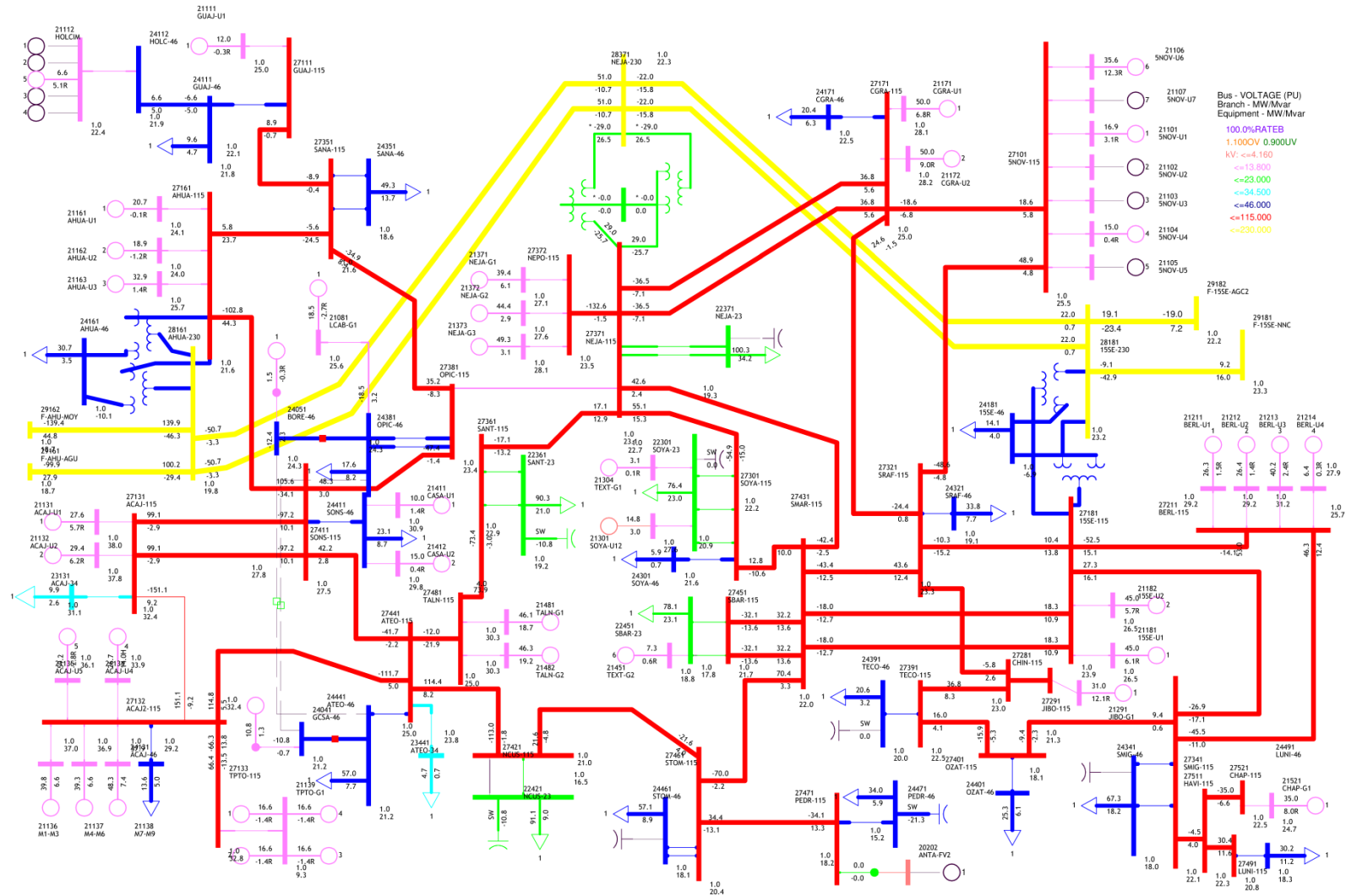
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Seca 2018 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM18  
ESTUDIOS ERT 2018-2019

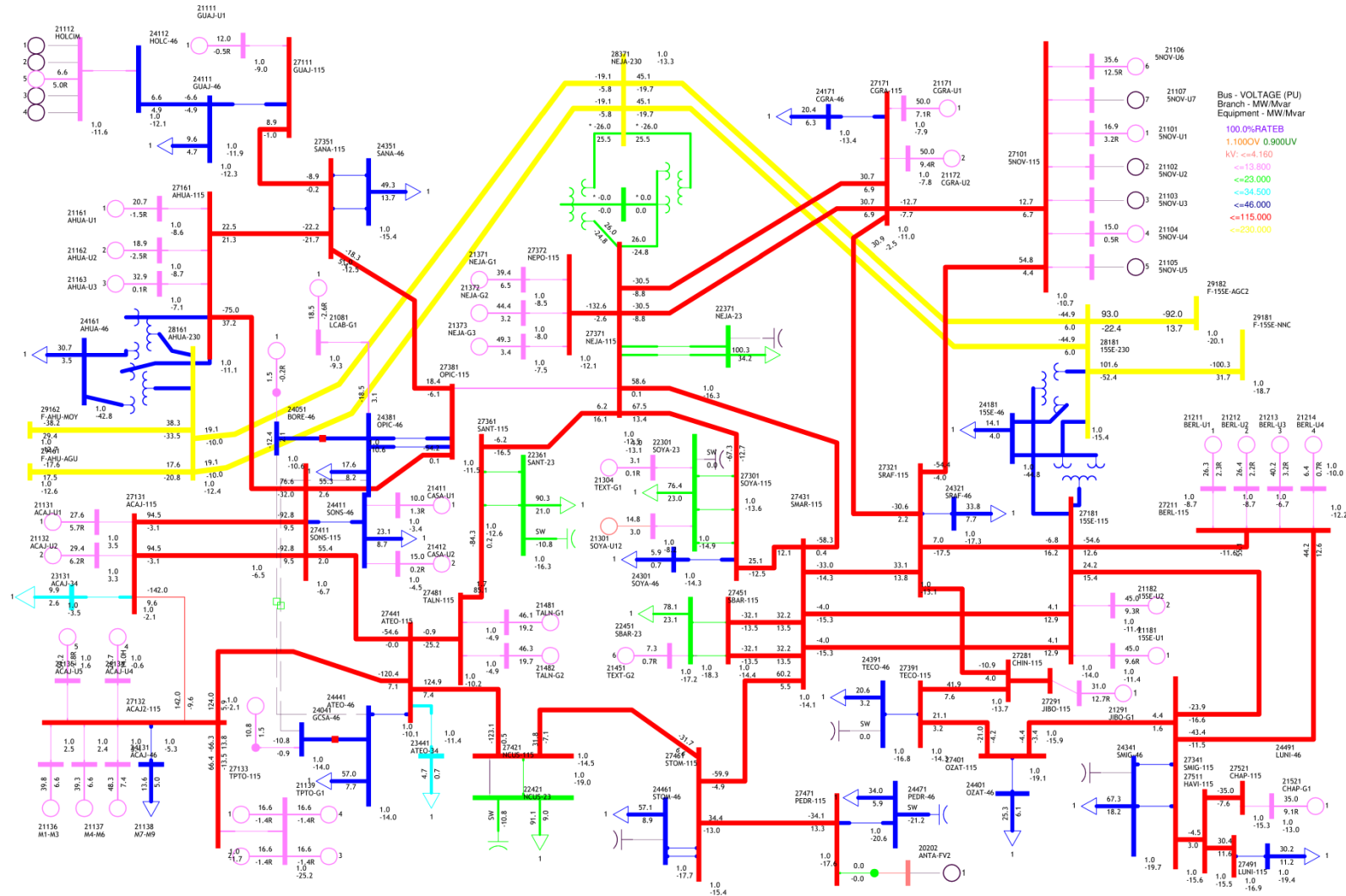
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Mínima Época Seca 2018 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM18  
ESTUDIOS ERT 2018-2019

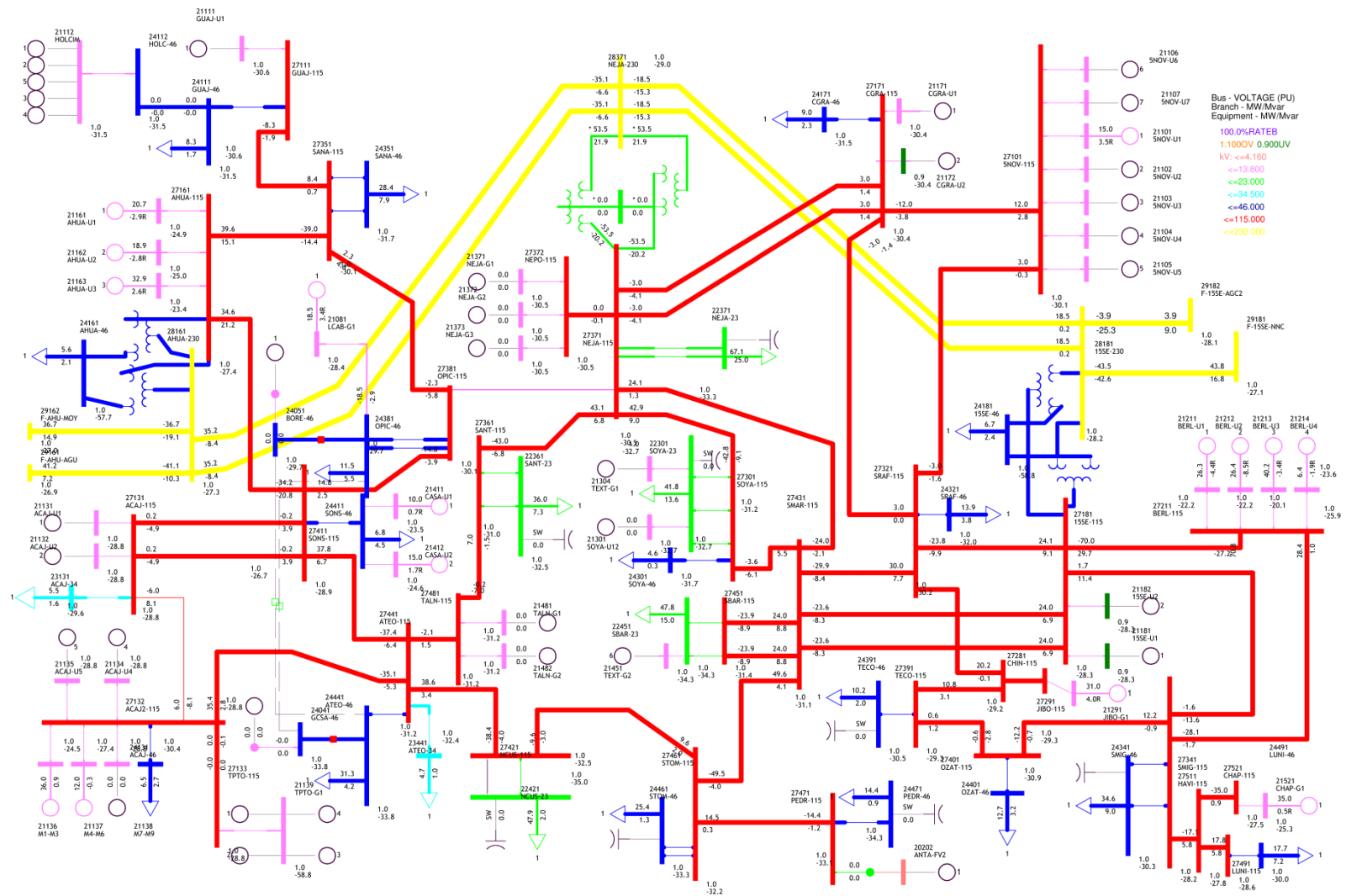
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## Demanda Mínima Época Seca 2018 HON -> ESA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM18  
ESTUDIOS ERT 2018-2019

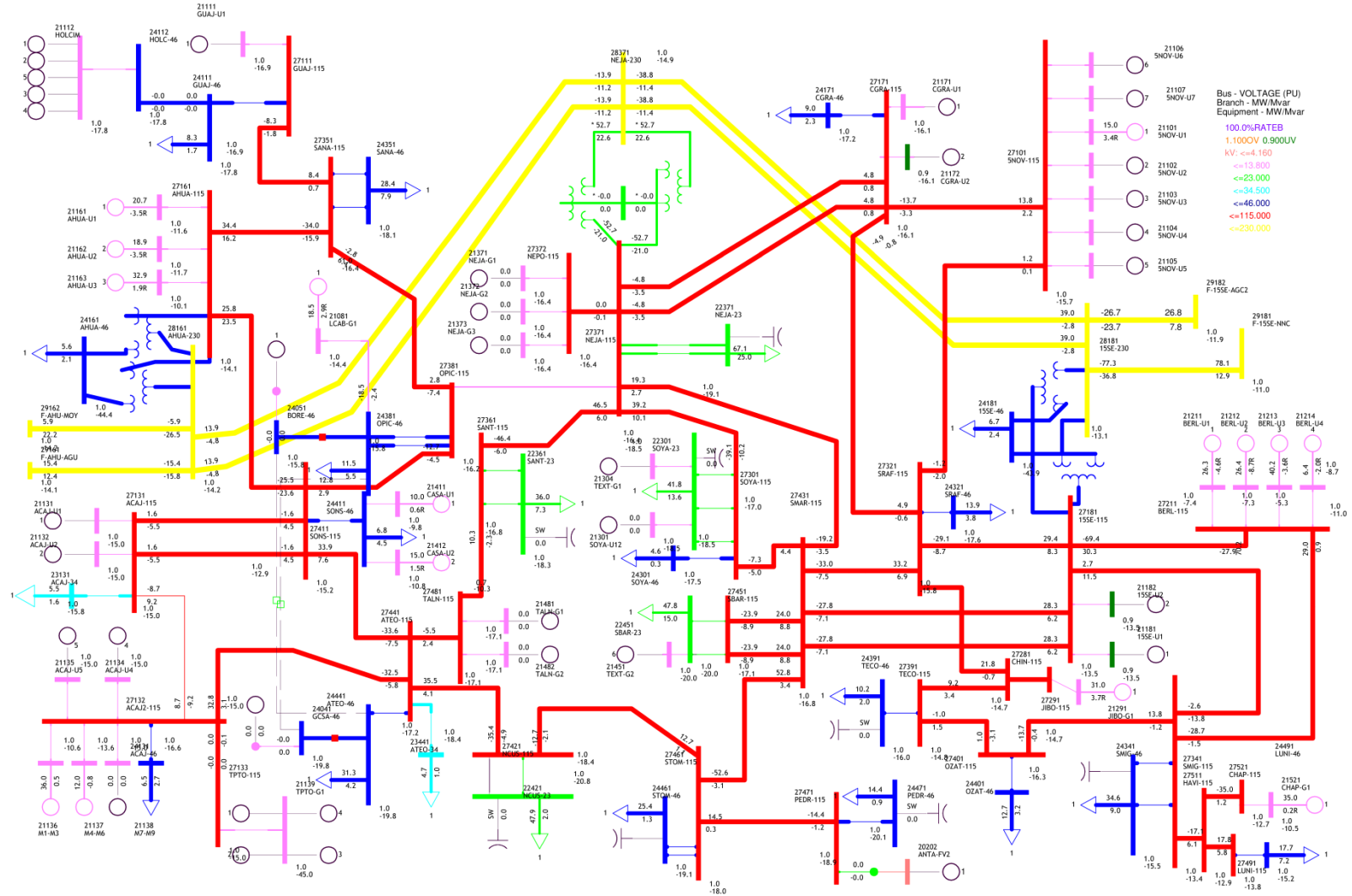
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## Demanda Mínima Época Seca 2018 ESA -> GUA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM18  
ESTUDIOS ERT 2018-2019

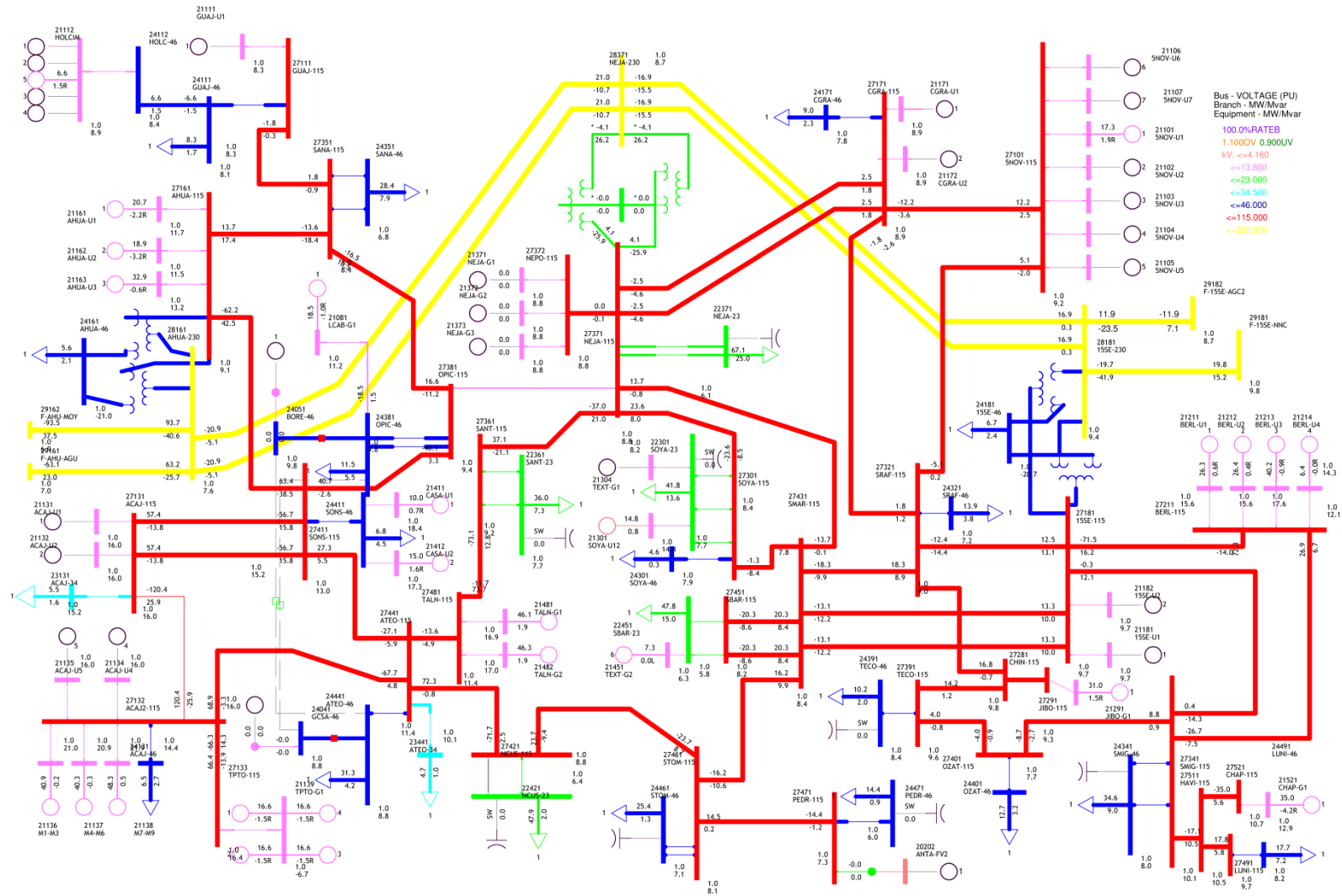
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Mínima Época Seca 2018 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM18  
ESTUDIOS ERT 2018-2019

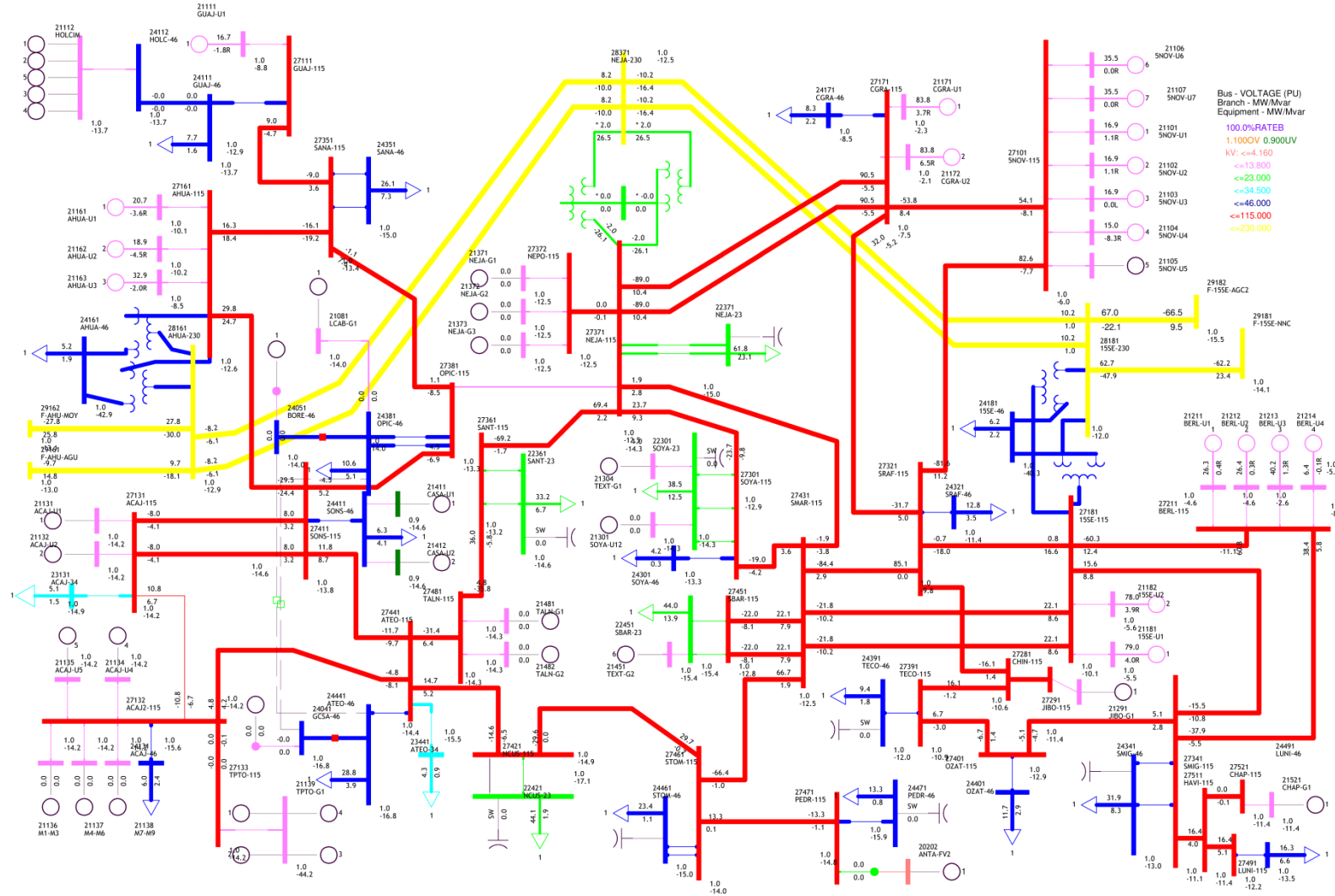
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Diurna Época Húmeda 2018 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

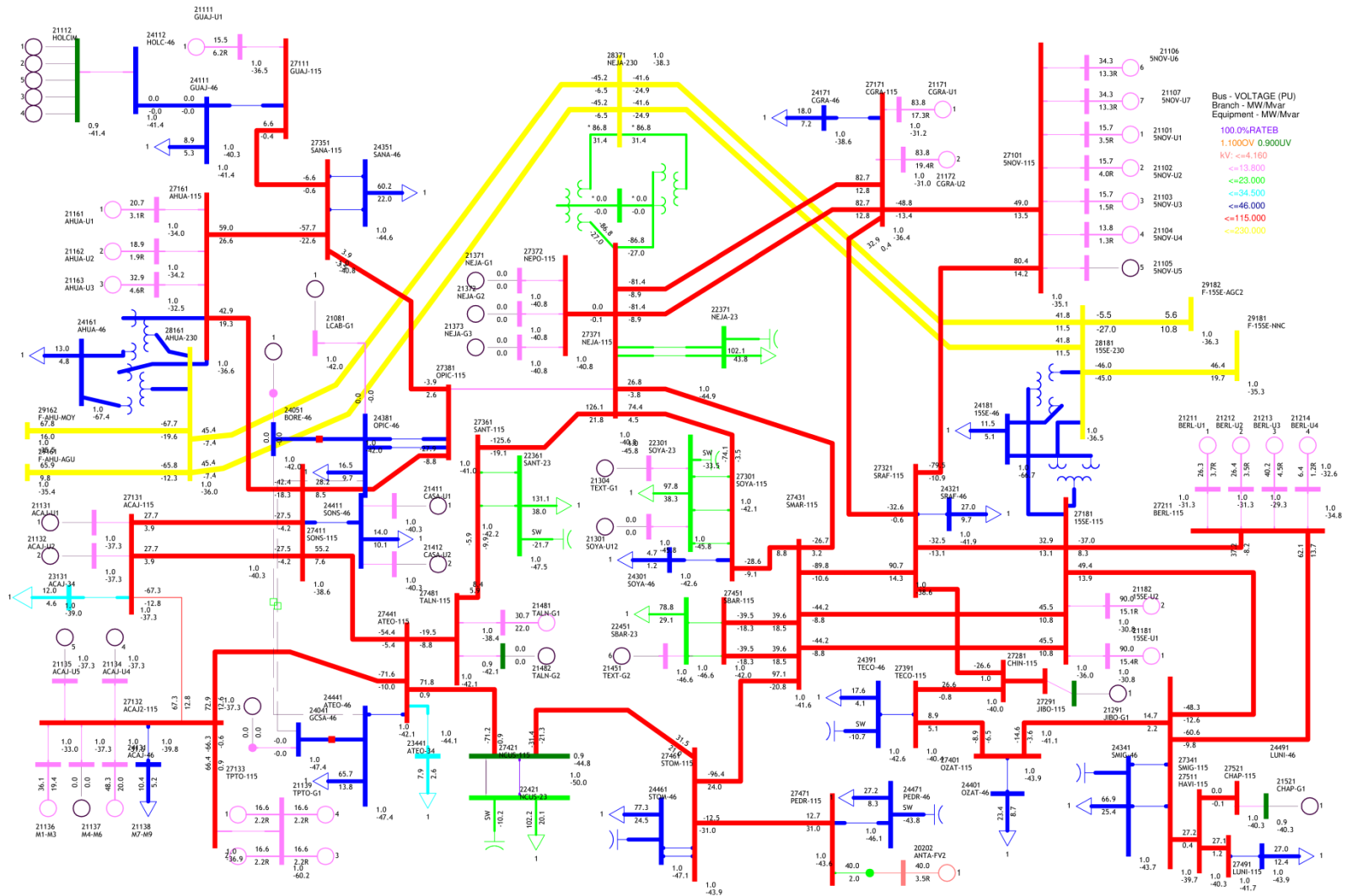
BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)  
27421 NCUS-115 115.00 2 0.9496 109.20

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- FROM BUS -----X |                         | X----- TO BUS -----X |                         | RATING SET A |                 | RATING SET B   |                | RATING SET C   |                |
|------------------------|-------------------------|----------------------|-------------------------|--------------|-----------------|----------------|----------------|----------------|----------------|
| BUS#                   | X-- NAME --X BASKV AREA | BUS#                 | X-- NAME --X BASKV AREA | CKT LOADING  | RATING PERCENT  | RATING PERCENT | RATING PERCENT | RATING PERCENT | RATING PERCENT |
| 22421                  | NCUS-23 23.000 2        | 27421                | NCUS-115 115.00*        | 2 2          | 52.3 50.0 104.7 | 50.0 104.7     | 50.0 104.7     | 50.0 104.7     | 50.0 104.7     |



## **Demanda Máxima Diurna Época Húmeda 2018 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

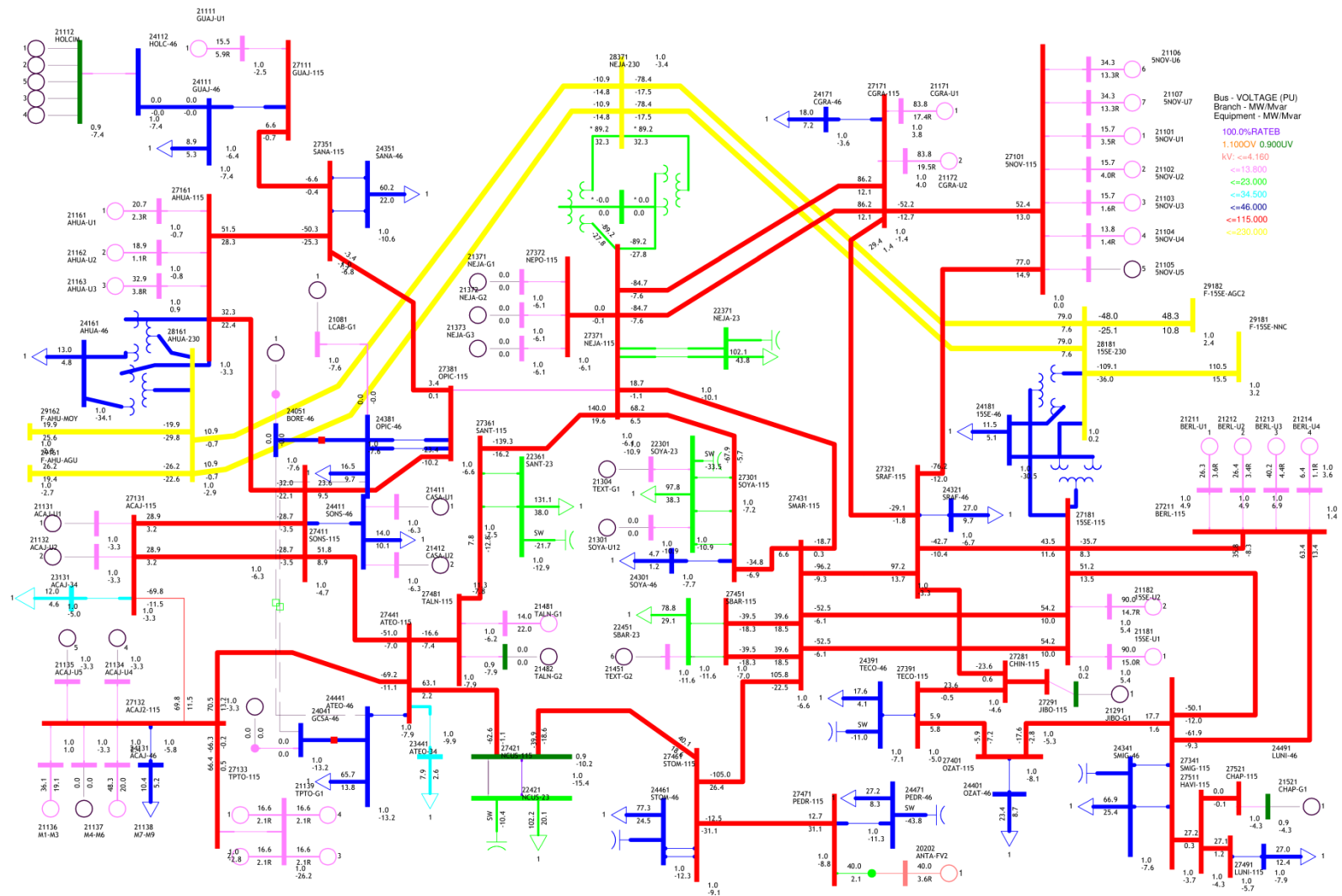
BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)  
27421 NCUS-115 115.00 2 0.9499 109.24

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |        |         |        |         |        |         |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|--------|---------|--------|---------|--------|---------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING | PERCENT | RATING | PERCENT | RATING | PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 50.2 | 50.0  | 100.4 | 50.0 | 100.4   | 50.0   | 100.4   | 50.0   | 100.4   | 50.0   | 100.4   |



## **Demanda Máxima Diurna Época Húmeda 2018 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

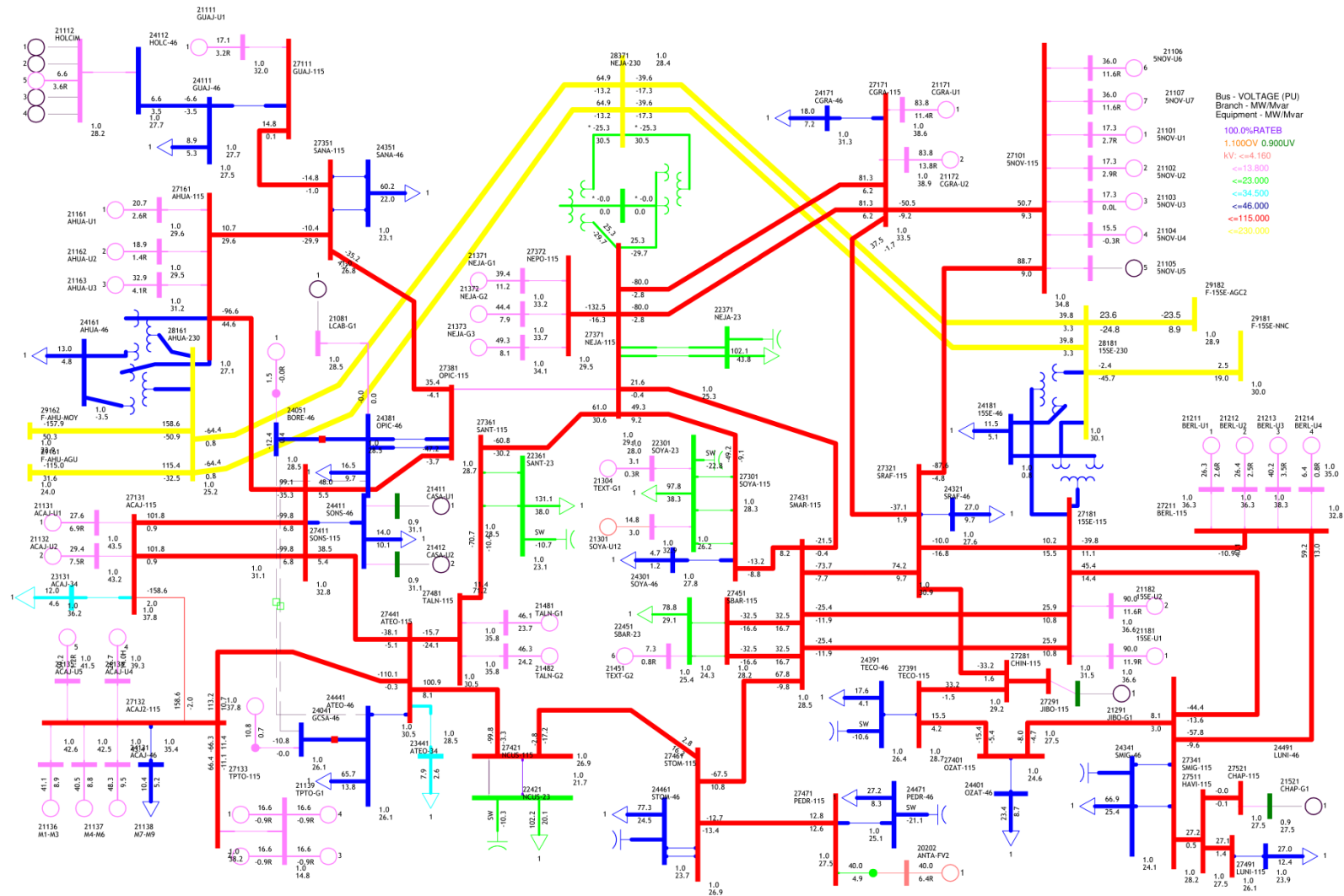
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |        |         |        |         |        |         |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|--------|---------|--------|---------|--------|---------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING | PERCENT | RATING | PERCENT | RATING | PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 54.1 | 50.0  | 108.2 | 50.0 | 108.2   | 50.0   | 108.2   | 50.0   | 108.2   | 50.0   | 108.2   |



## **Demanda Máxima Diurna Época Húmeda 2018 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

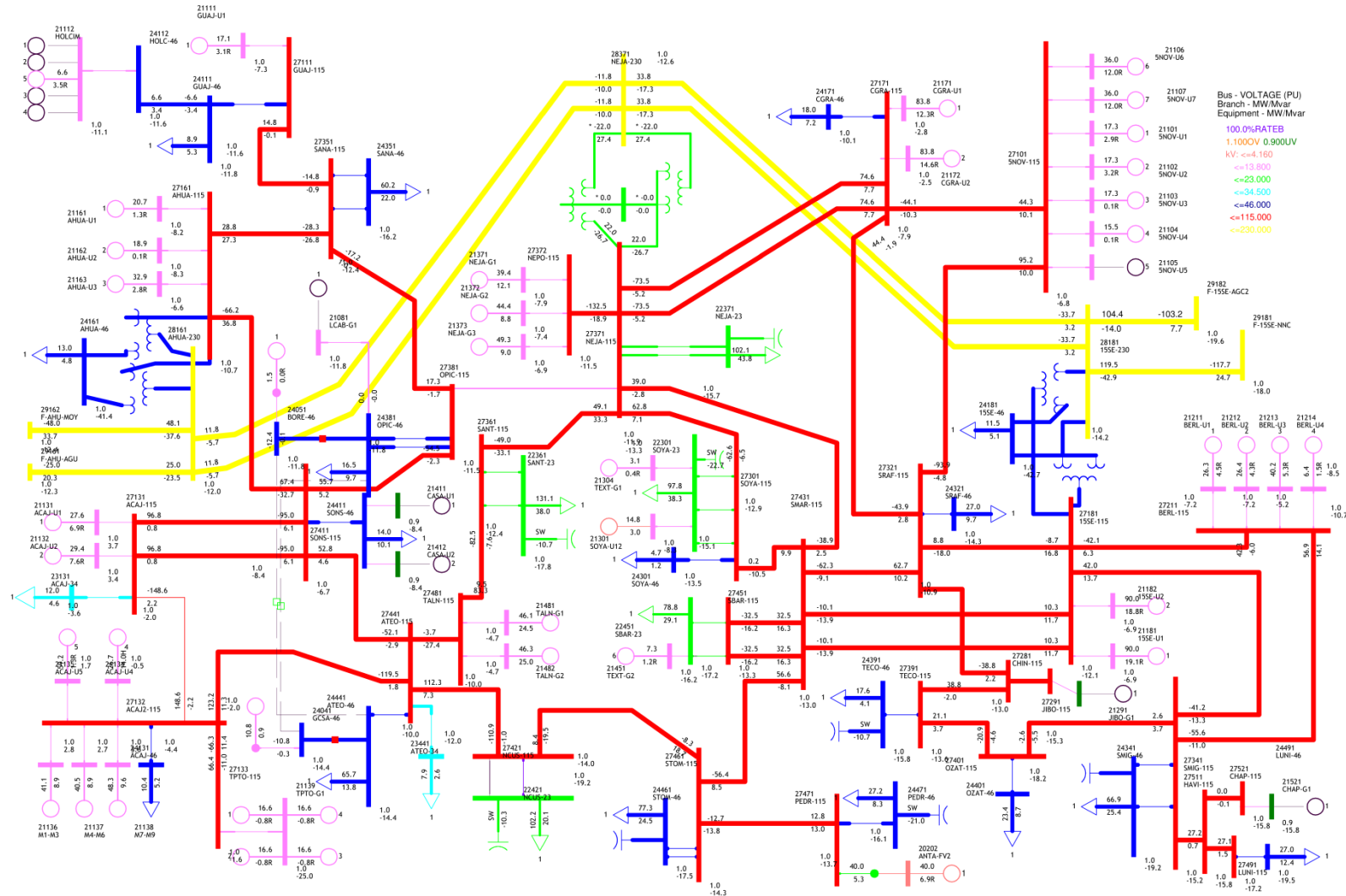
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |        |         |        |         |        |         |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|--------|---------|--------|---------|--------|---------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING | PERCENT | RATING | PERCENT | RATING | PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 54.1 | 50.0  | 108.1 | 50.0 | 108.1   | 50.0   | 108.1   | 50.0   | 108.1   | 50.0   | 108.1   |



## **Demanda Máxima Nocturna Época Húmeda 2018 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM18  
ESTUDIOS ERT 2018-2019

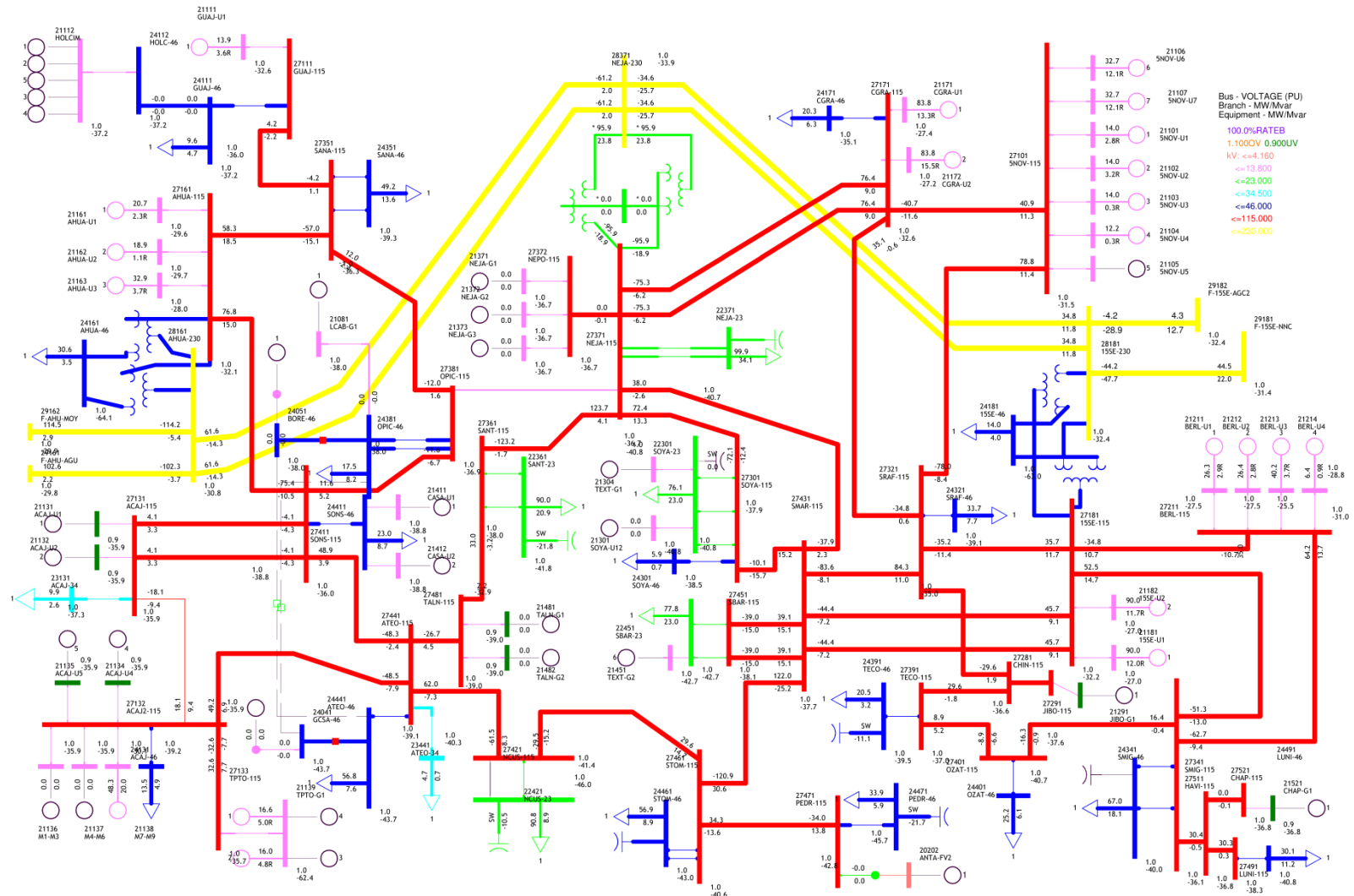
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Húmeda 2018 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM18  
ESTUDIOS ERT 2018-2019

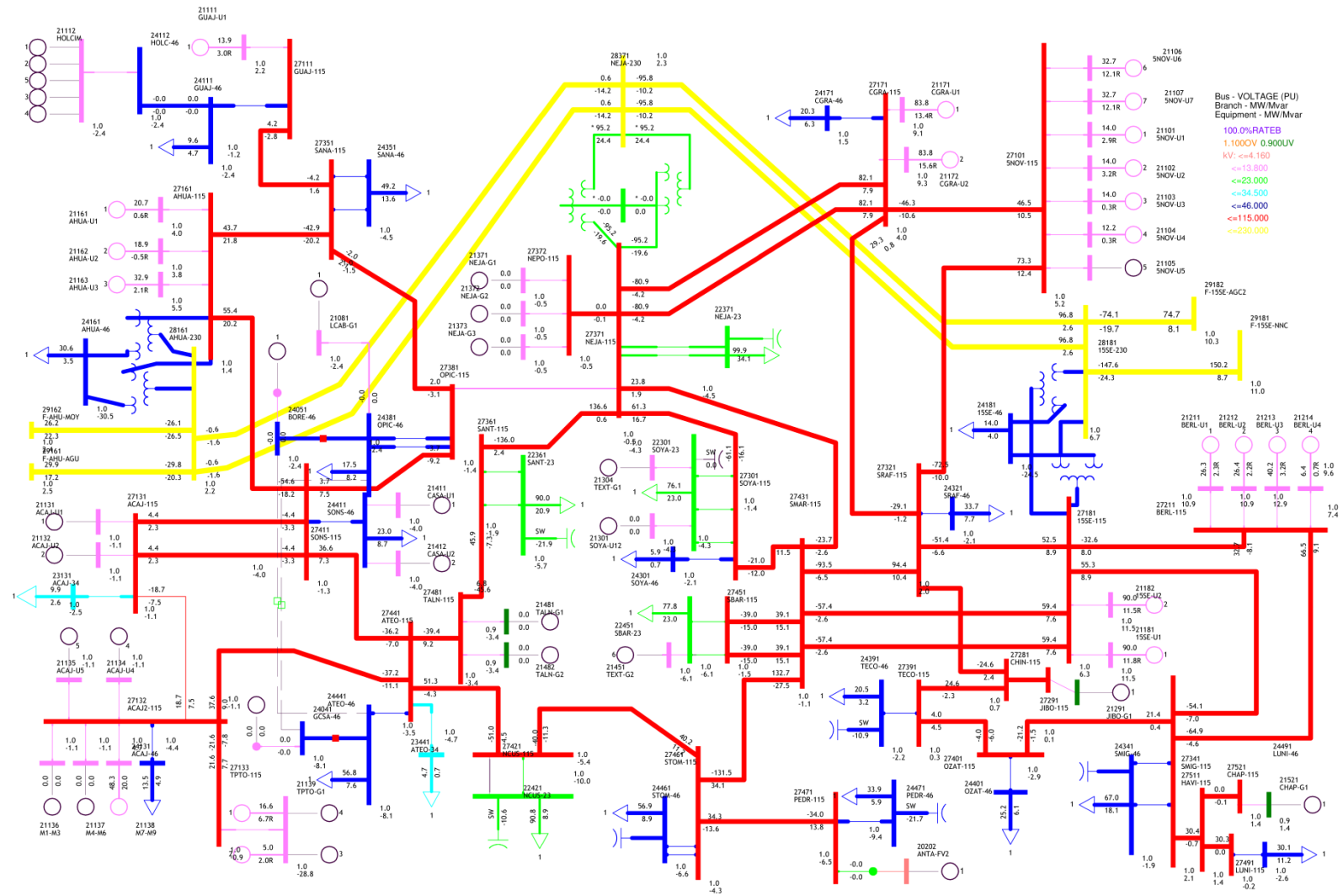
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Húmeda 2018 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

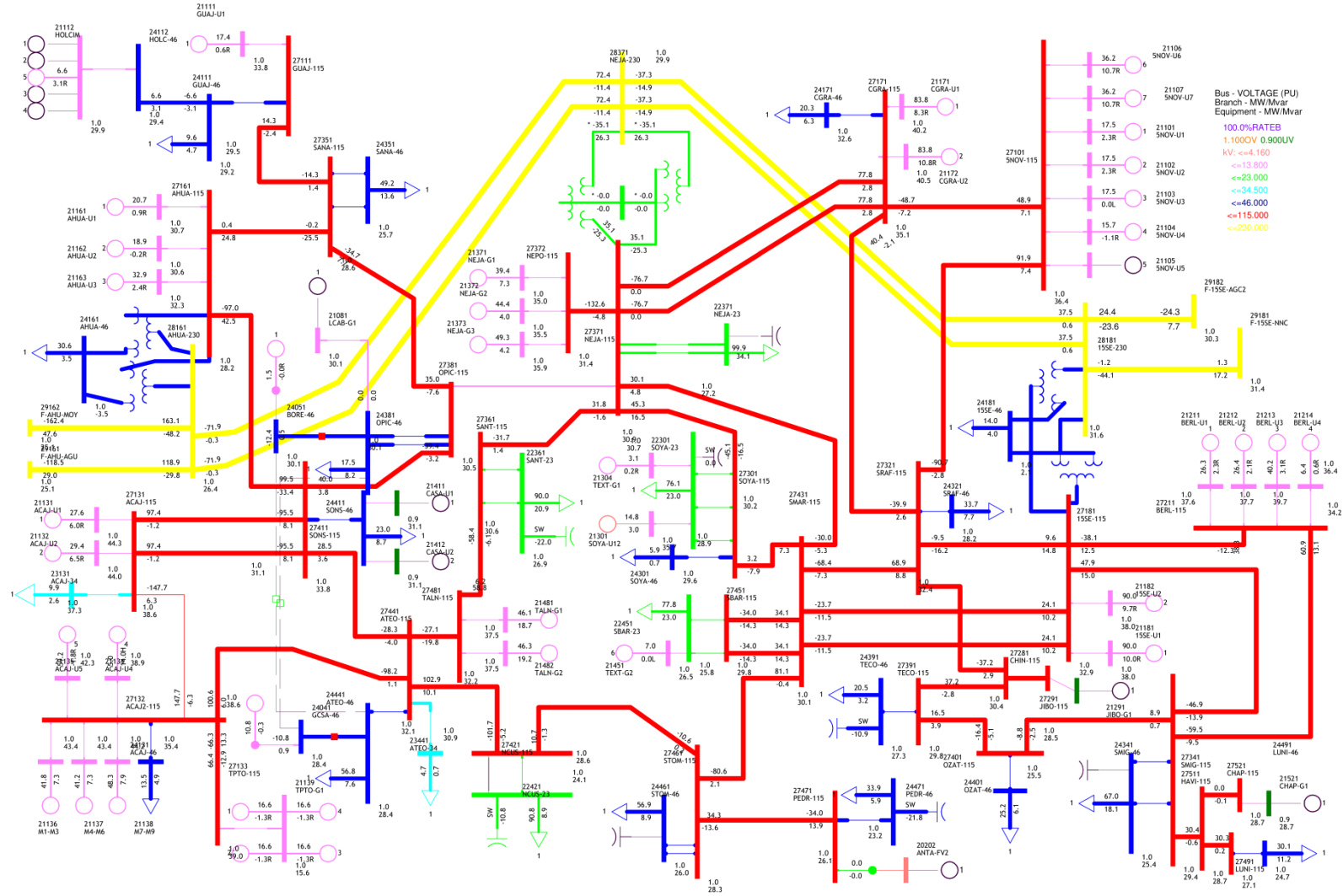
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Húmeda 2018 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM18  
ESTUDIOS ERT 2018-2019

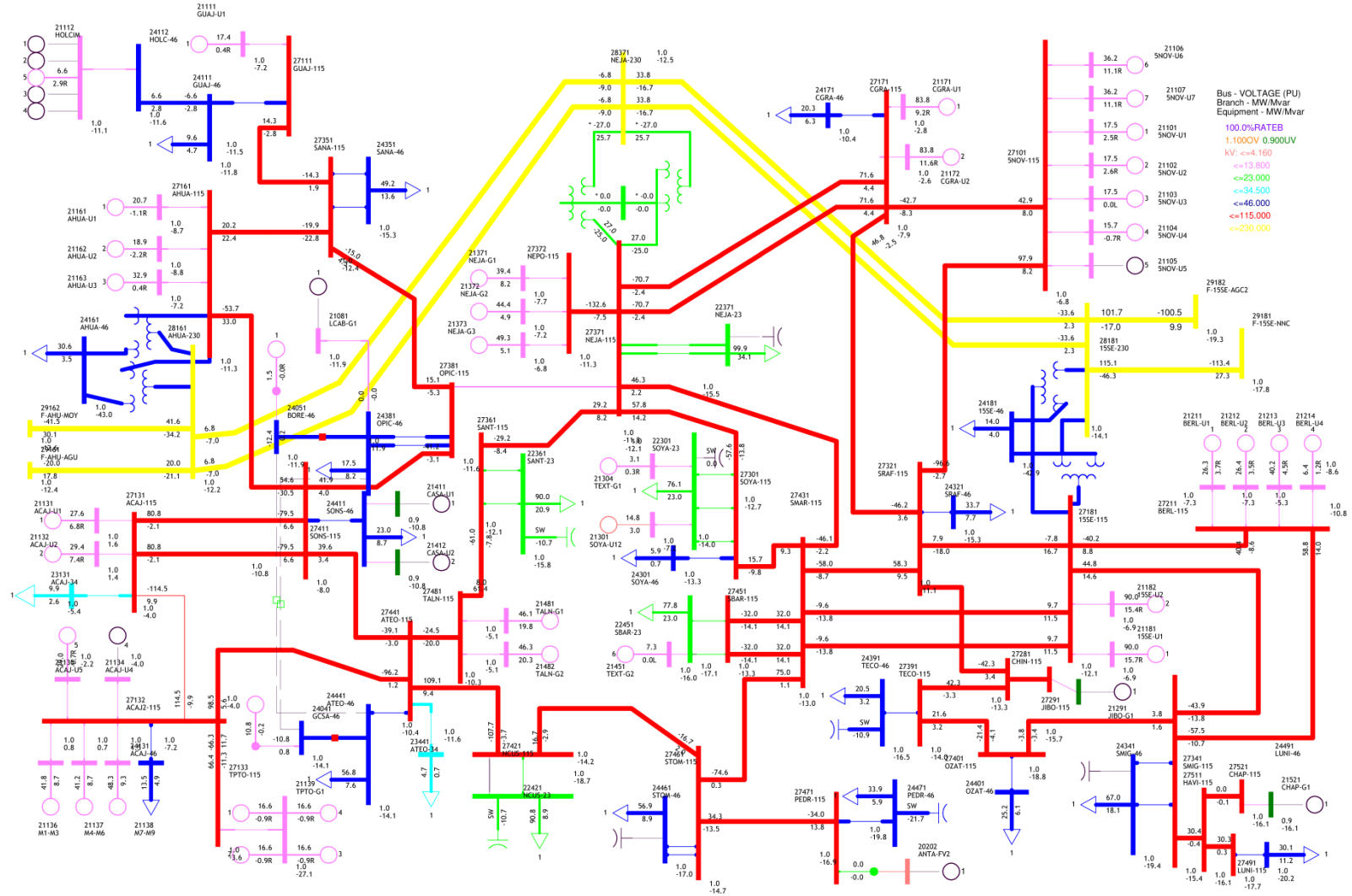
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Mínima Época Húmeda 2018 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

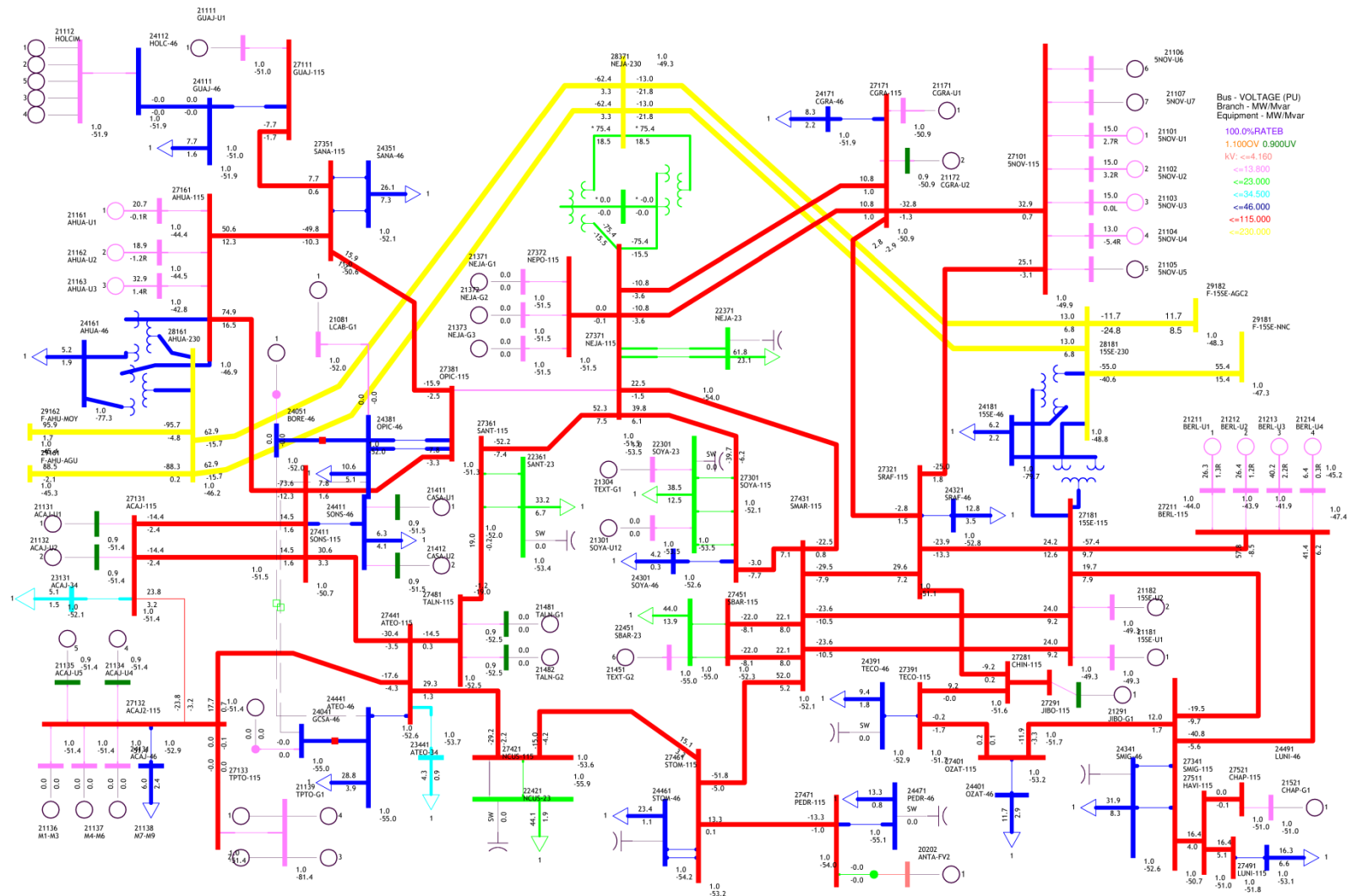
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Mínima Época Húmeda 2018 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

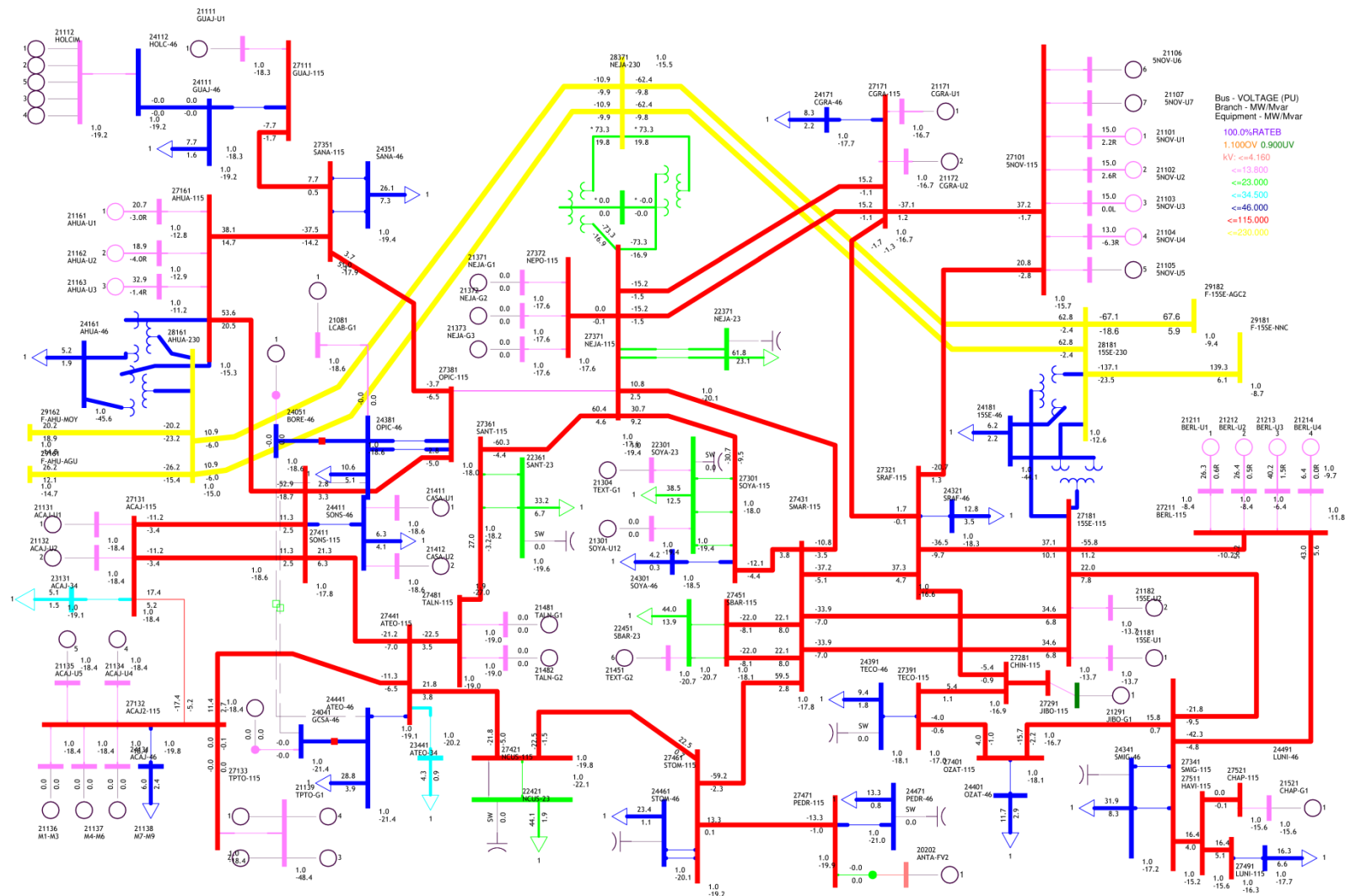
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Mínima Época Húmeda 2018 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM18  
ESTUDIOS ERT 2018-2019

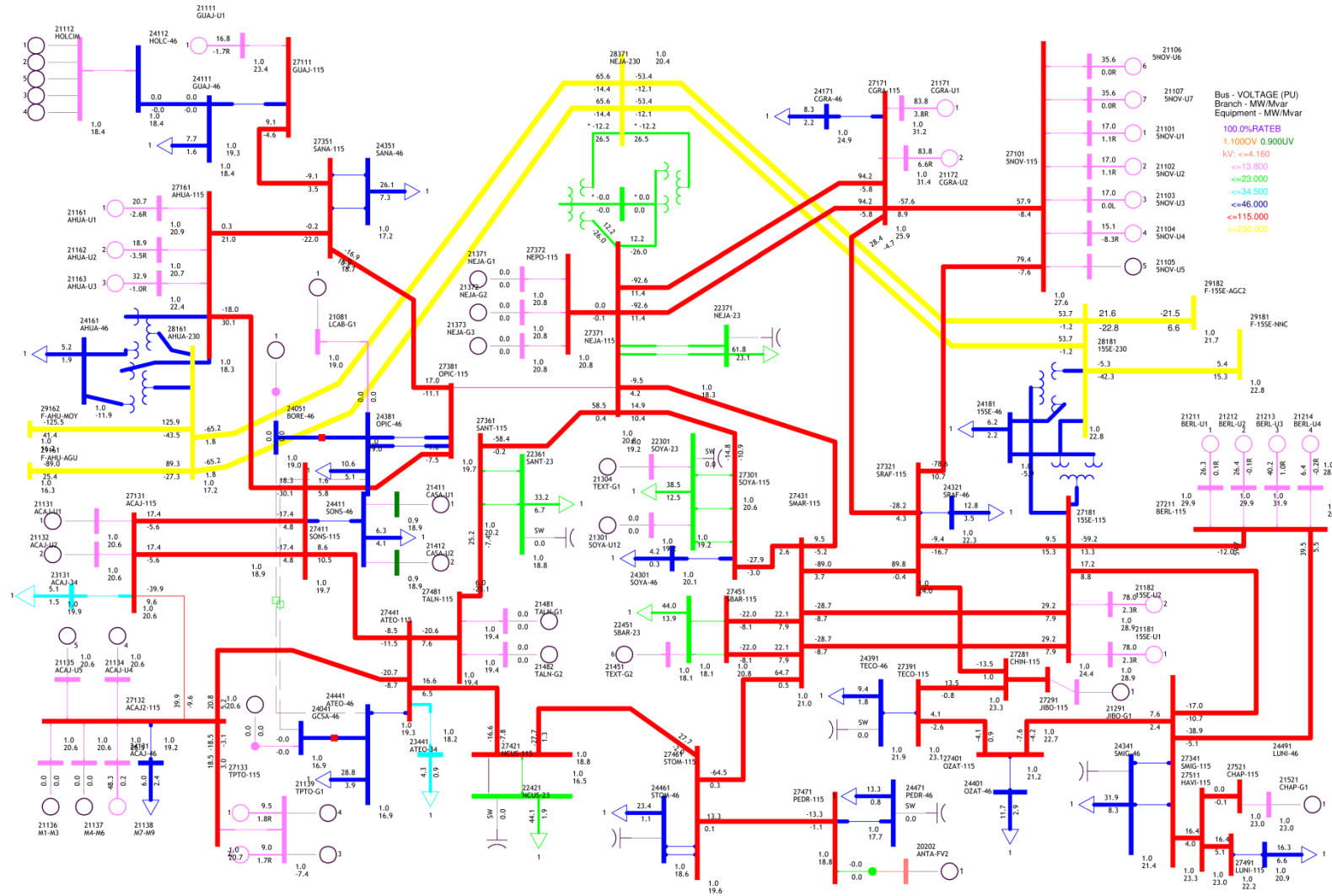
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## Demanda Mínima Época Húmeda 2018 ESA -> HON

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM18  
ESTUDIOS ERT 2018-2019

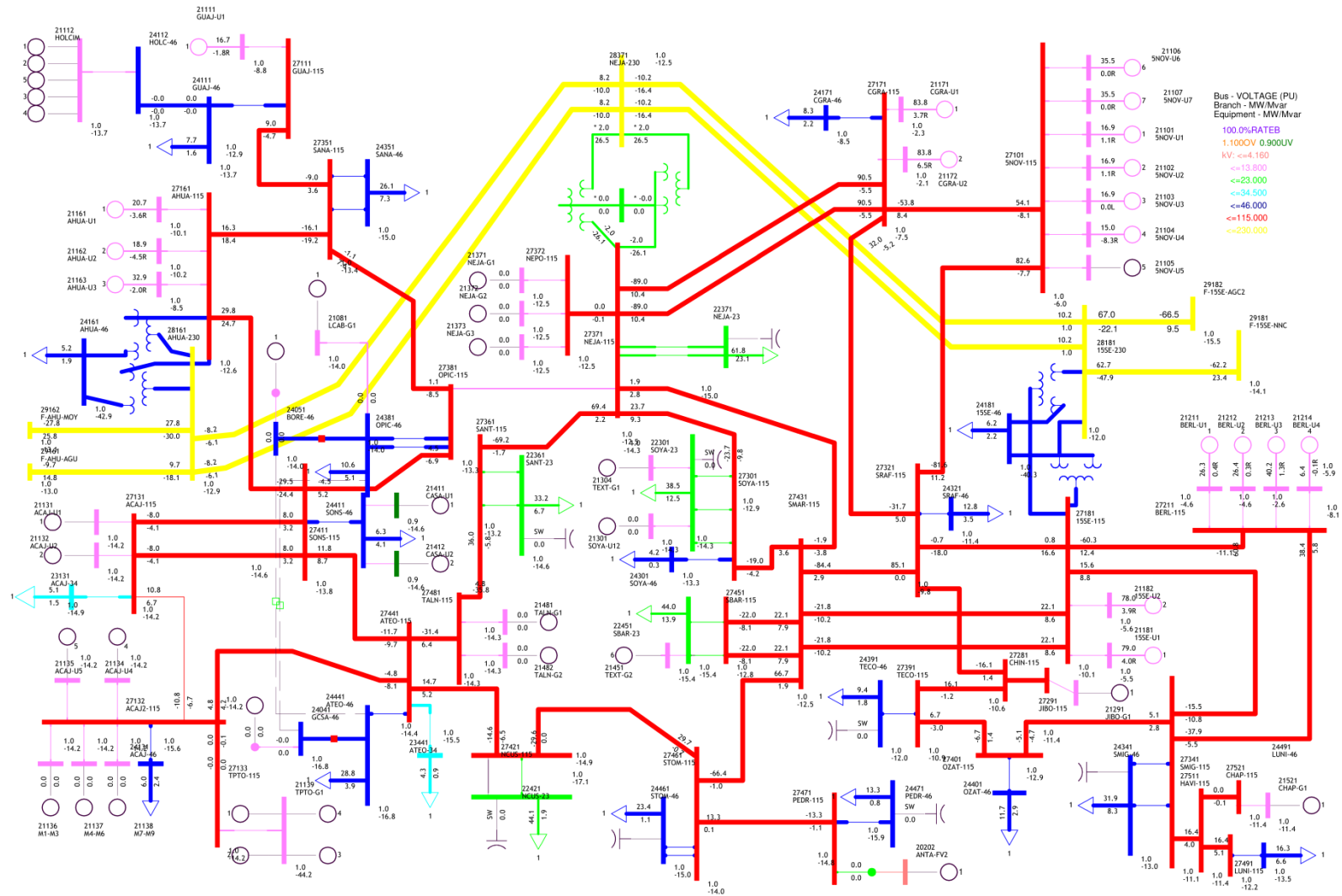
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



# ESCENARIOS 2019

## **Demanda Máxima Diurna Época Seca 2019 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM19  
ESTUDIOS ERT2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

27421 NCUS-115 115.00 2 0.9498 109.22

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26

SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM19

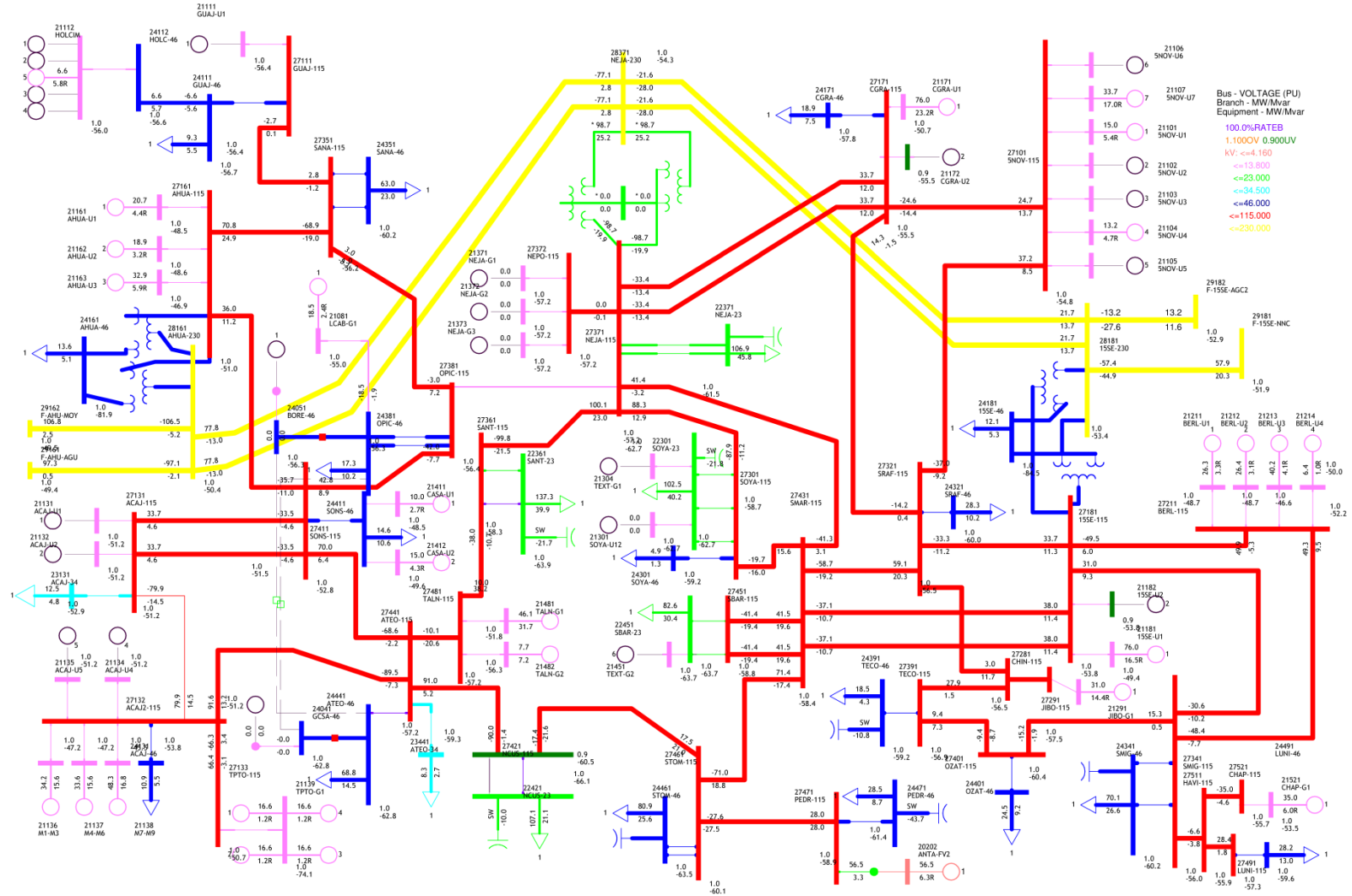
ESTUDIOS ERT2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- FROM BUS -----X |                         | X----- TO BUS -----X |                         | RATING SET A |           | RATING SET B |         | RATING SET C |            |
|------------------------|-------------------------|----------------------|-------------------------|--------------|-----------|--------------|---------|--------------|------------|
| BUS#                   | X-- NAME --X BASKV AREA | BUS#                 | X-- NAME --X BASKV AREA | CKT          | LOADING   | RATING       | PERCENT | RATING       | PERCENT    |
| 22361                  | SANT-23 23.000 2        | 27361                | SANT-115 115.00*        | 2 1          | 75.2 75.0 | 100.3        | 75.0    | 100.3        | 75.0 100.3 |
| 22421                  | NCUS-23 23.000 2        | 27421                | NCUS-115 115.00*        | 2 2          | 56.9 50.0 | 113.9        | 50.0    | 113.9        | 50.0 113.9 |
| 24441                  | ATEO-46 46.000 2        | 27441                | ATEO-115 115.00*        | 2 1          | 75.2 75.0 | 100.2        | 75.0    | 100.2        | 75.0 100.2 |



## Demanda Máxima Diurna Época Seca 2019 HON -> ESA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM19  
ESTUDIOS ERT2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

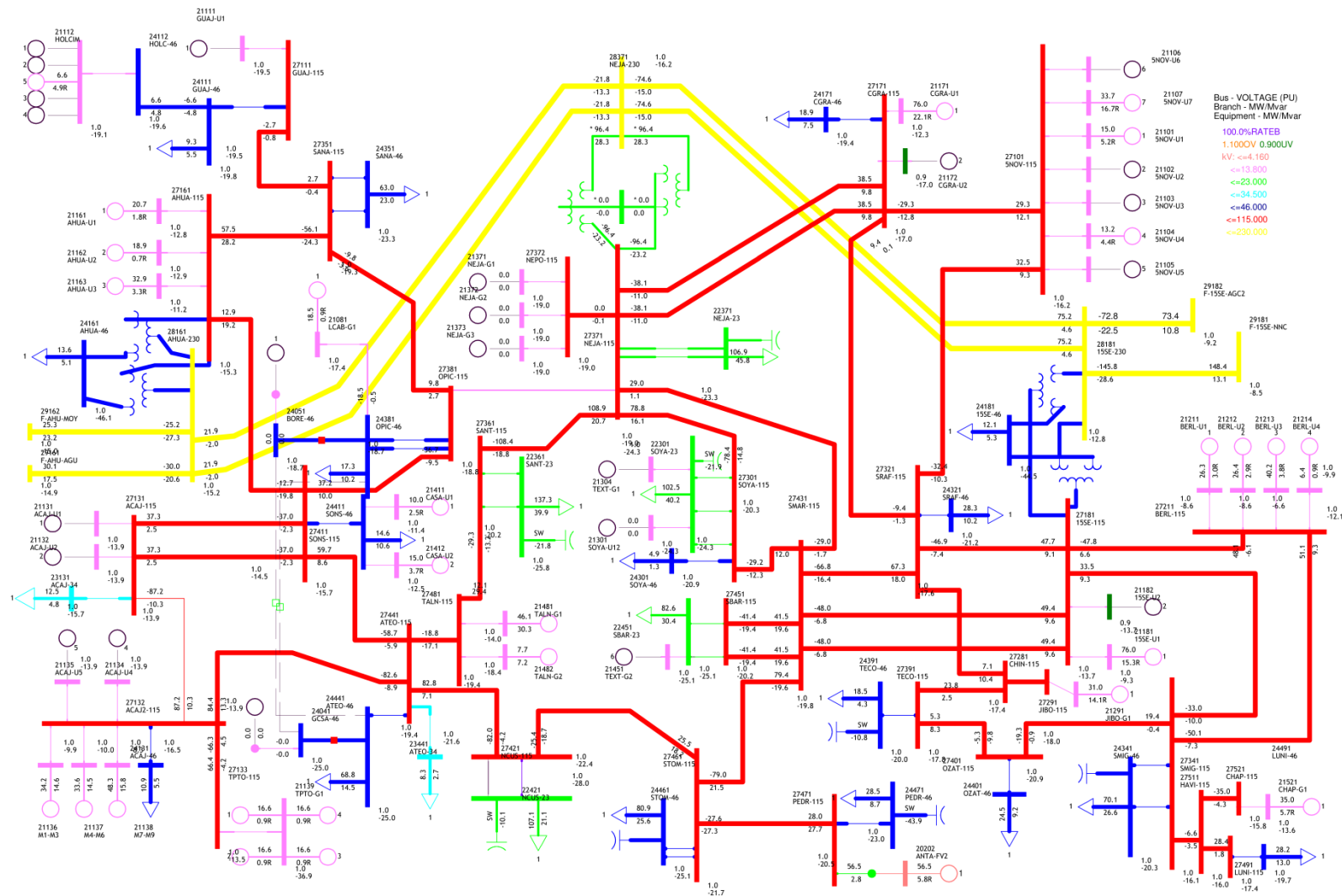
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM19  
ESTUDIOS ERT2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |        |         |        |         |        |         |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|--------|---------|--------|---------|--------|---------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING | PERCENT | RATING | PERCENT | RATING | PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 56.8 | 50.0  | 113.6 | 50.0 | 113.6   | 50.0   | 113.6   | 50.0   | 113.6   | 50.0   | 113.6   |



## **Demanda Máxima Diurna Época Seca 2019 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM19  
ESTUDIOS ERT2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

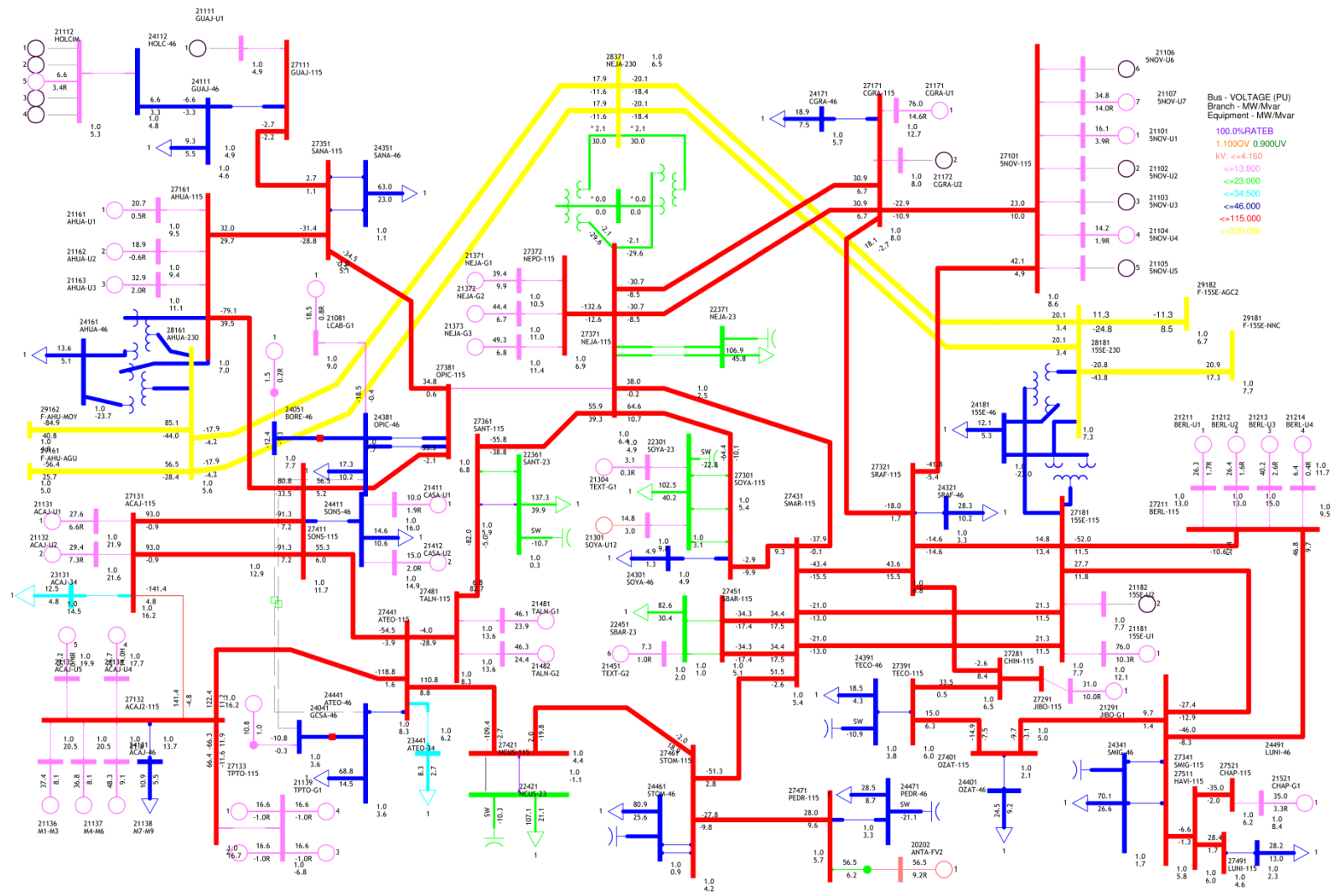
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM19  
ESTUDIOS ERT2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |        |         |        |         |        |         |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|--------|---------|--------|---------|--------|---------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING | PERCENT | RATING | PERCENT | RATING | PERCENT |
| 22361  | SANT-23  | 23.000 | 2      | 27361  | SANT-115 | 115.00*      | 2            | 1            | 75.8 | 75.0  | 101.1 | 75.0 | 101.1   | 75.0   | 101.1   |        |         |        |         |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 56.4 | 50.0  | 112.7 | 50.0 | 112.7   | 50.0   | 112.7   |        |         |        |         |



## Demanda Máxima Diurna Época Seca 2019 ESA -> HON

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM19  
ESTUDIOS ERT2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

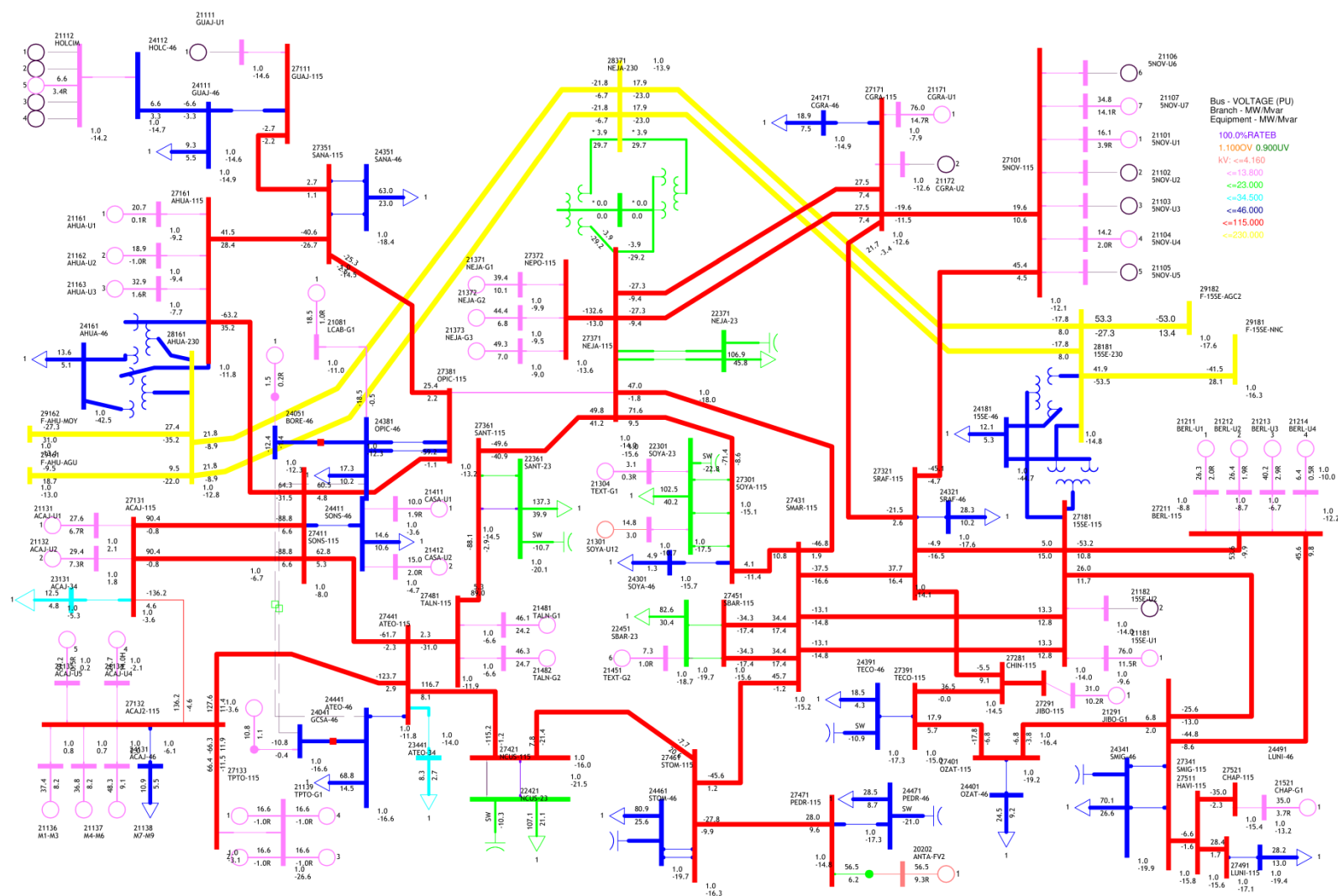
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-1ER SEM19  
ESTUDIOS ERT2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- FROM BUS -----X X----- TO BUS -----X |                         | RATING SET A |                         | RATING SET B |           | RATING SET C   |                |
|---------------------------------------------|-------------------------|--------------|-------------------------|--------------|-----------|----------------|----------------|
| BUS#                                        | X-- NAME --X BASKV AREA | BUS#         | X-- NAME --X BASKV AREA | CKT          | LOADING   | RATING PERCENT | RATING PERCENT |
| 22361                                       | SANT-23 23.000 2        | 27361        | SANT-115 115.00*        | 2 1          | 75.9 75.0 | 101.1 75.0     | 101.1 75.0     |
| 22421                                       | NCUS-23 23.000 2        | 27421        | NCUS-115 115.00*        | 2 2          | 56.4 50.0 | 112.8 50.0     | 112.8 50.0     |



## **Demanda Máxima Nocturna Época Seca 2019 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

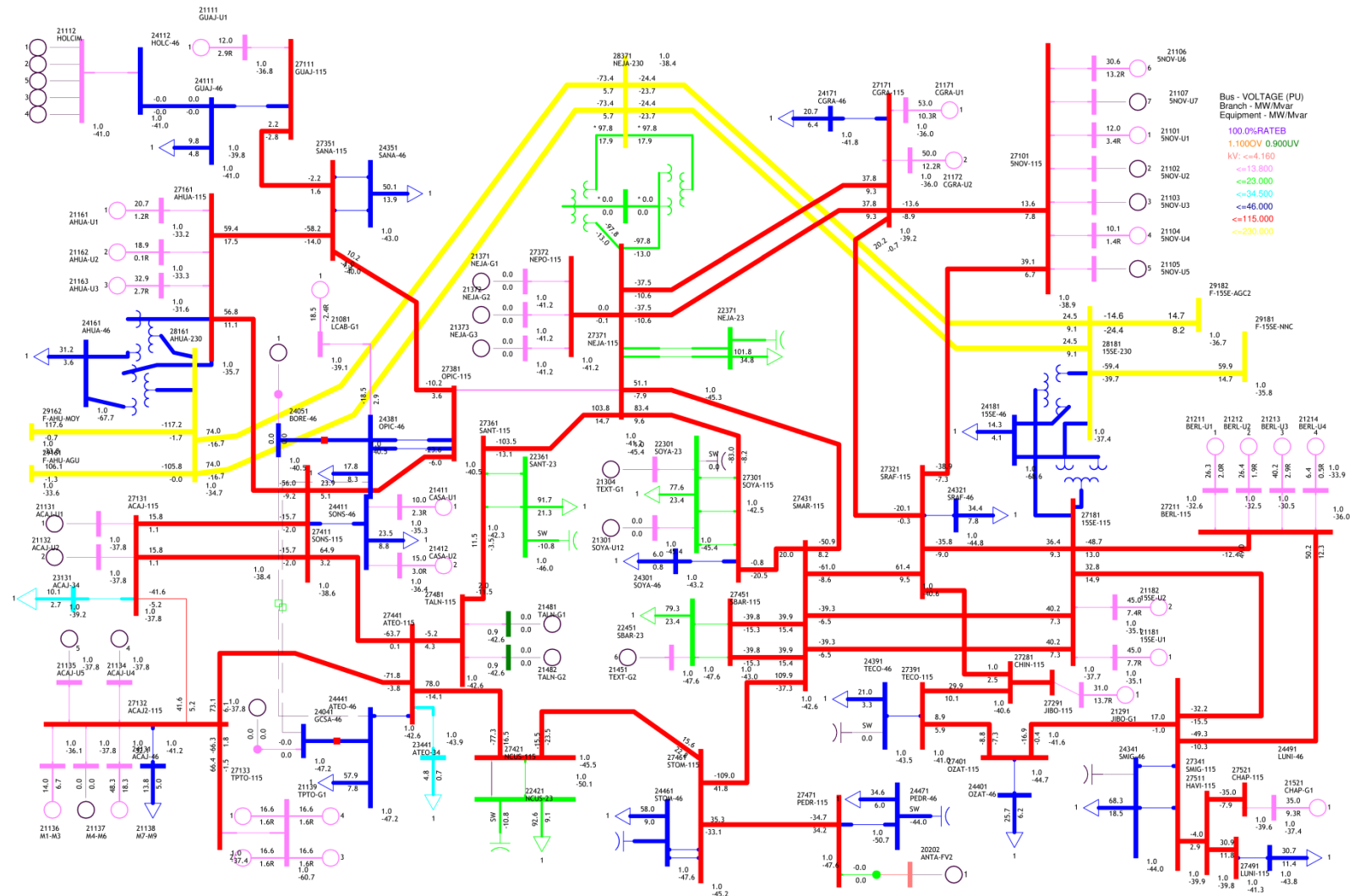
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM19  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Seca 2019 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM19  
ESTUDIOS ERT 2018-2019

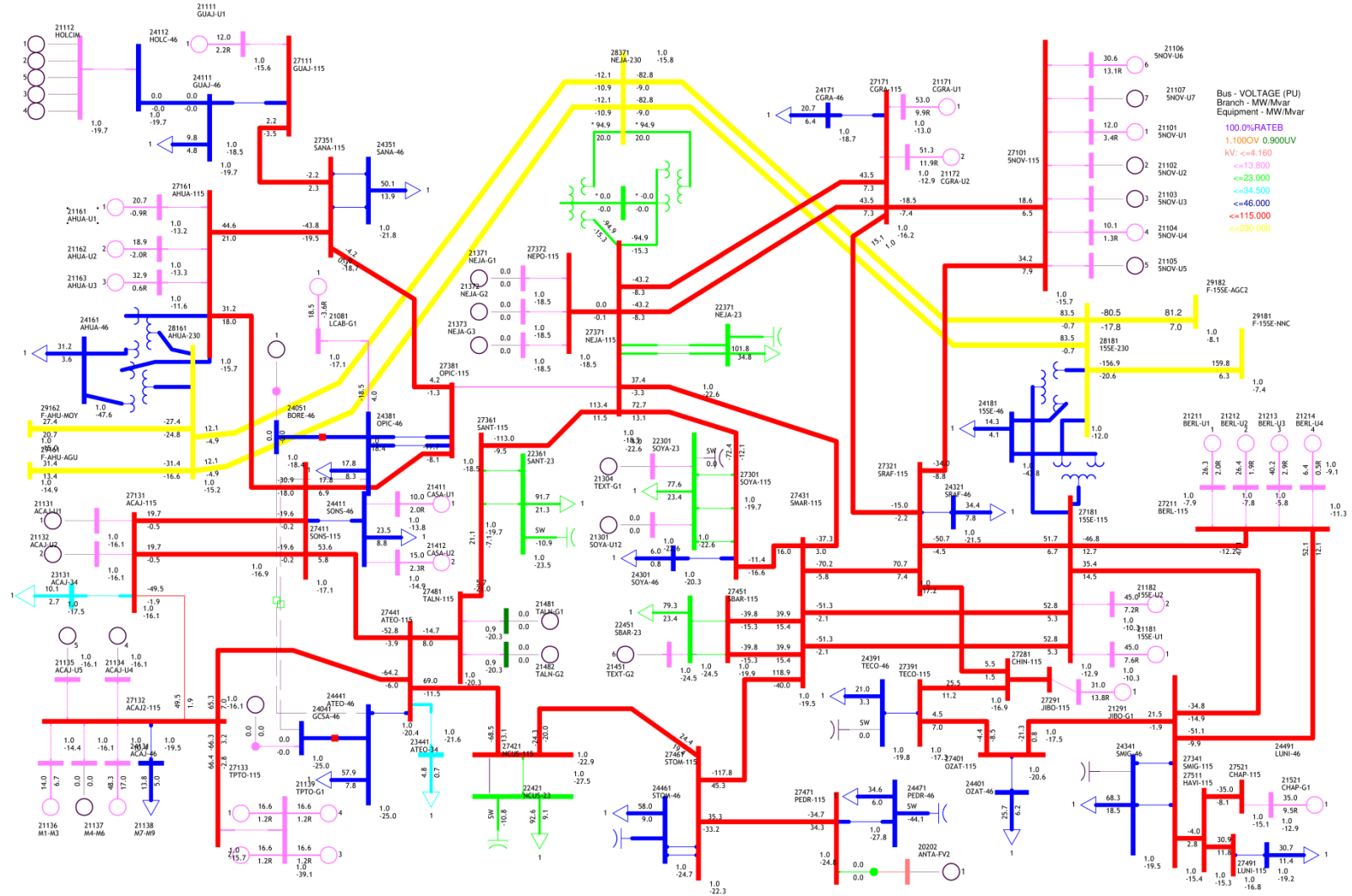
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Seca 2019 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM19  
ESTUDIOS ERT 2018-2019

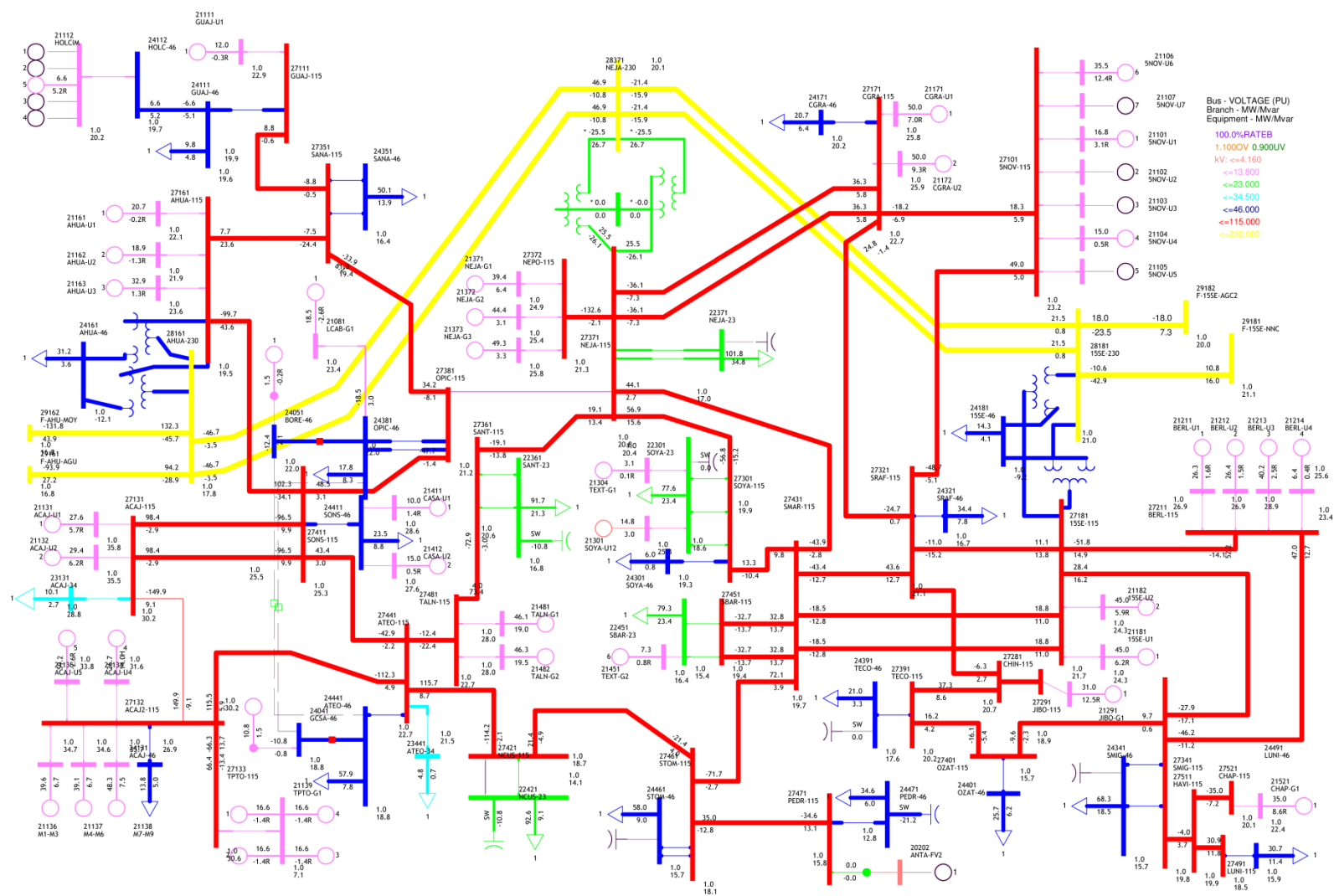
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Seca 2019 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

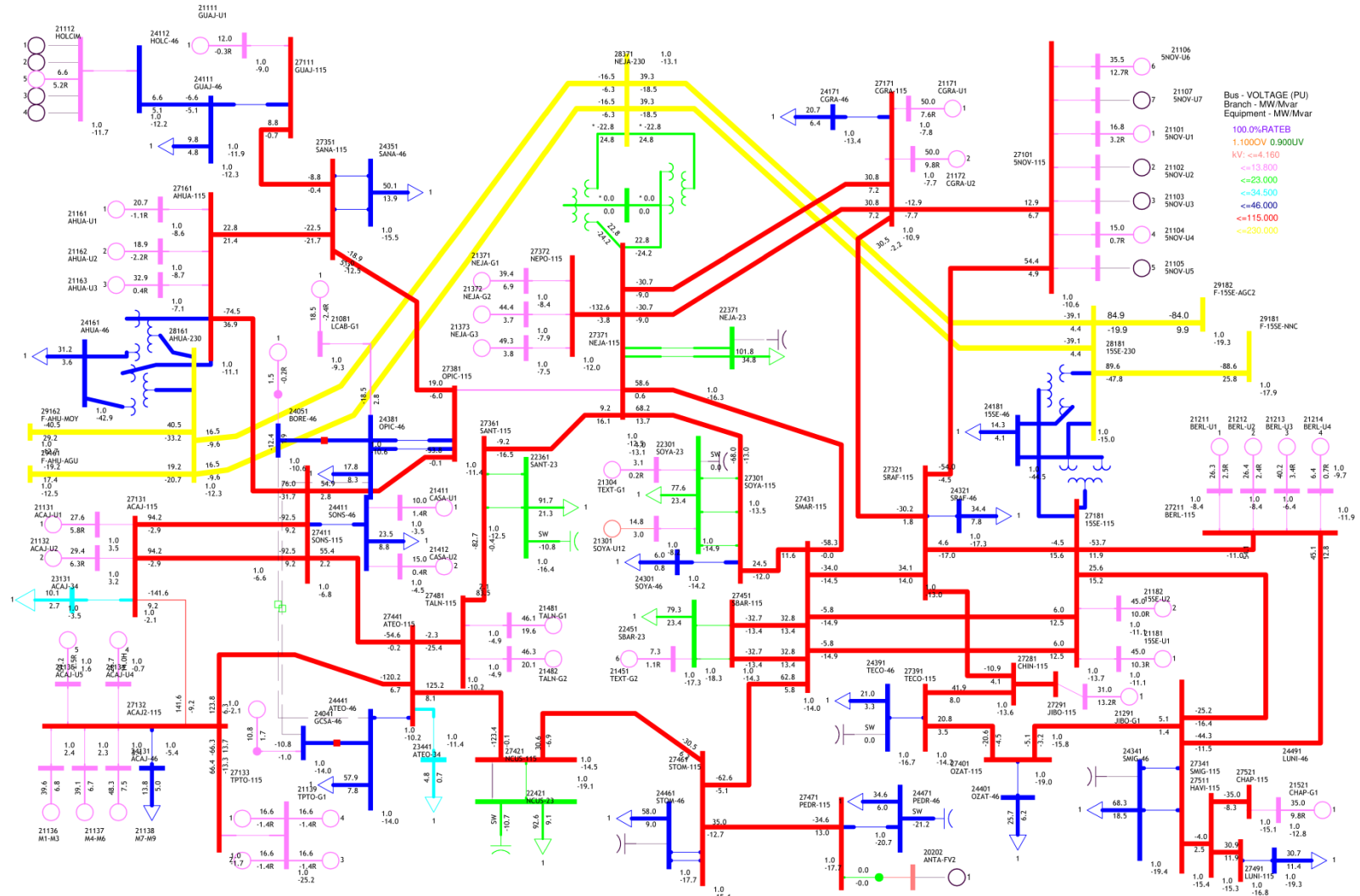
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-1ER SEM19  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## Demanda Mínima Época Seca 2019 GUA -> ESA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM19  
ESTUDIOS ERT 2018-2019

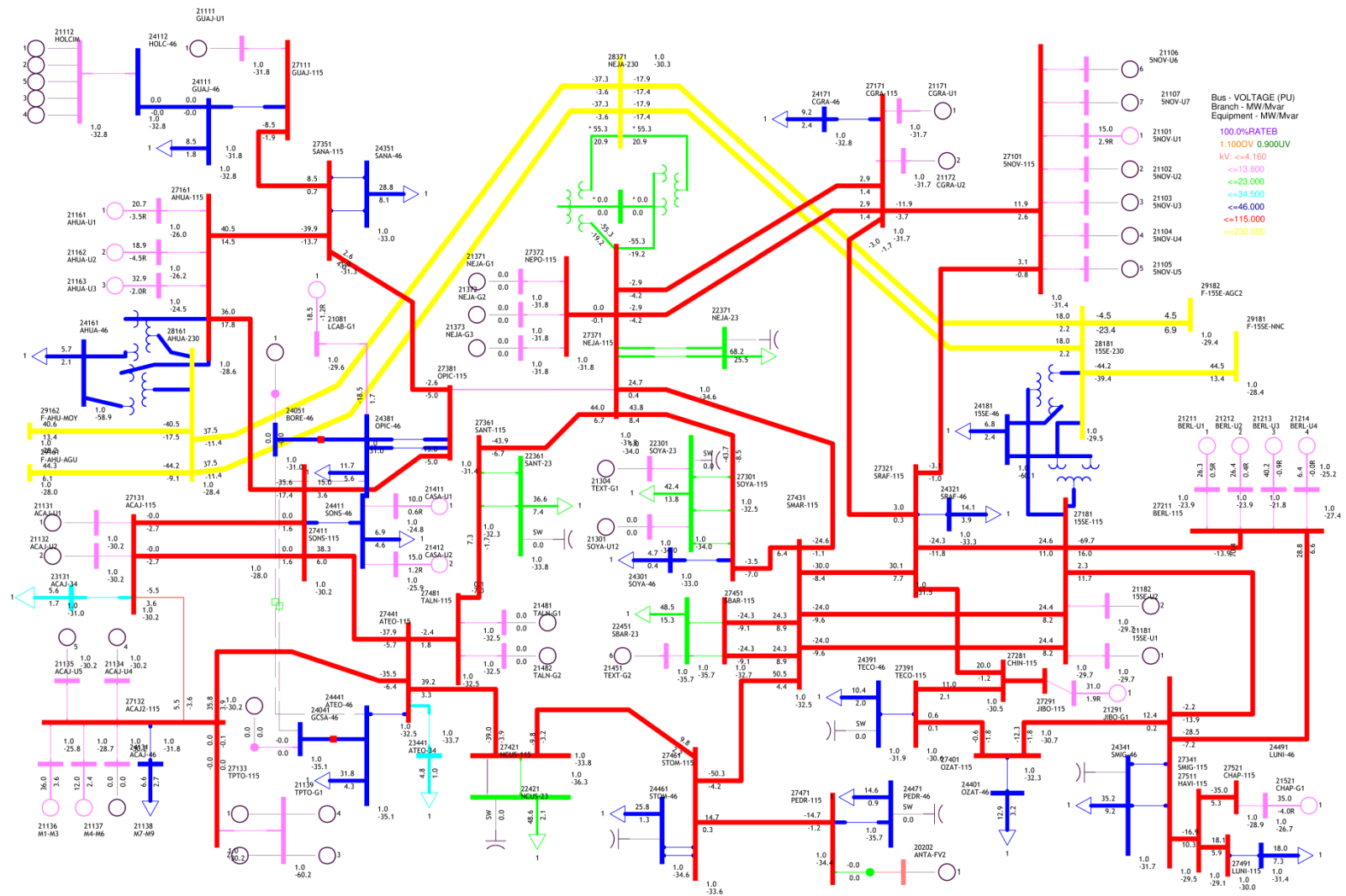
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Mínima Época Seca 2019 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM19  
ESTUDIOS ERT 2018-2019

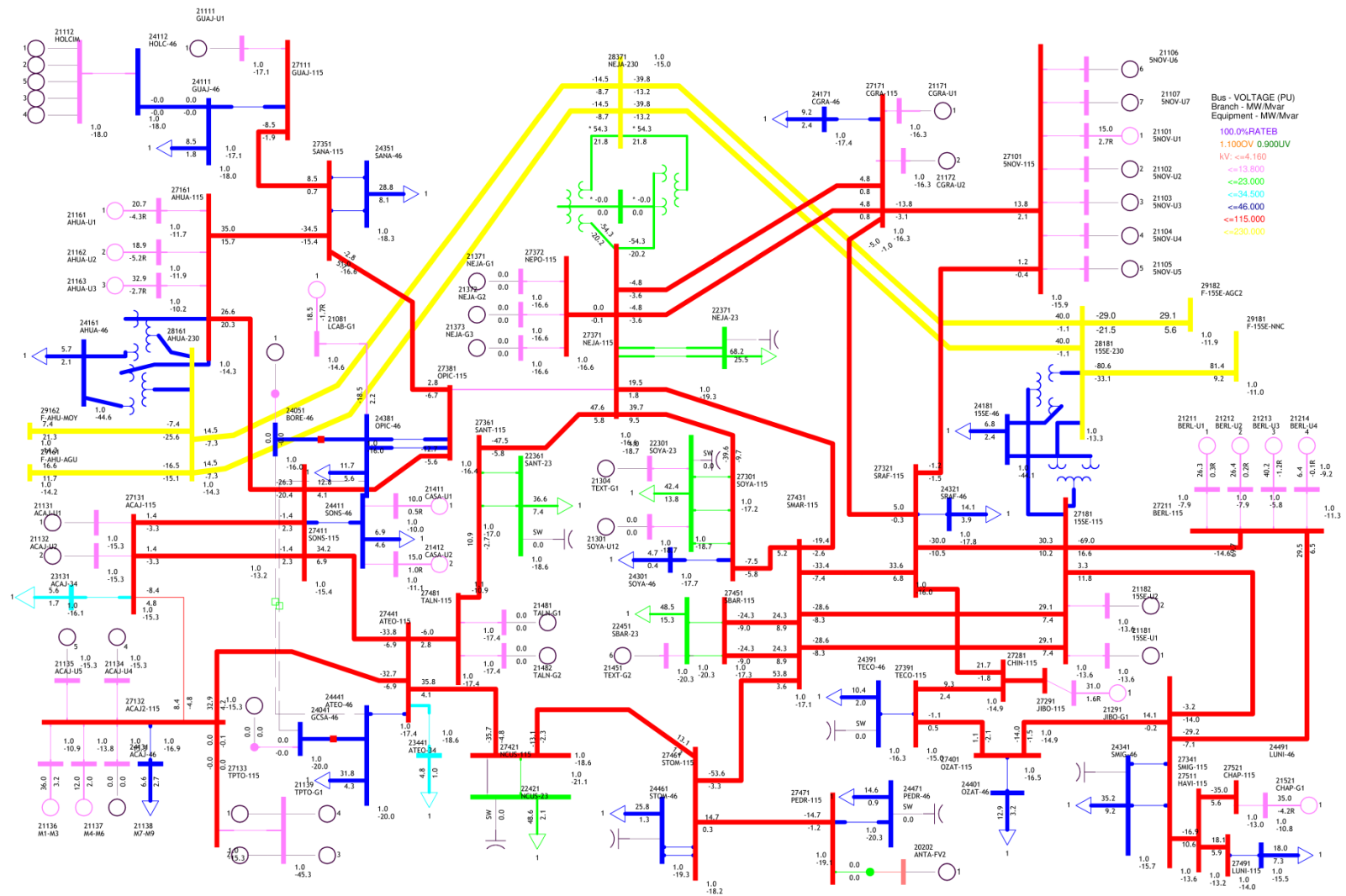
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## Demanda Mínima Época Seca 2019 ESA -> GUA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM19  
ESTUDIOS ERT 2018-2019

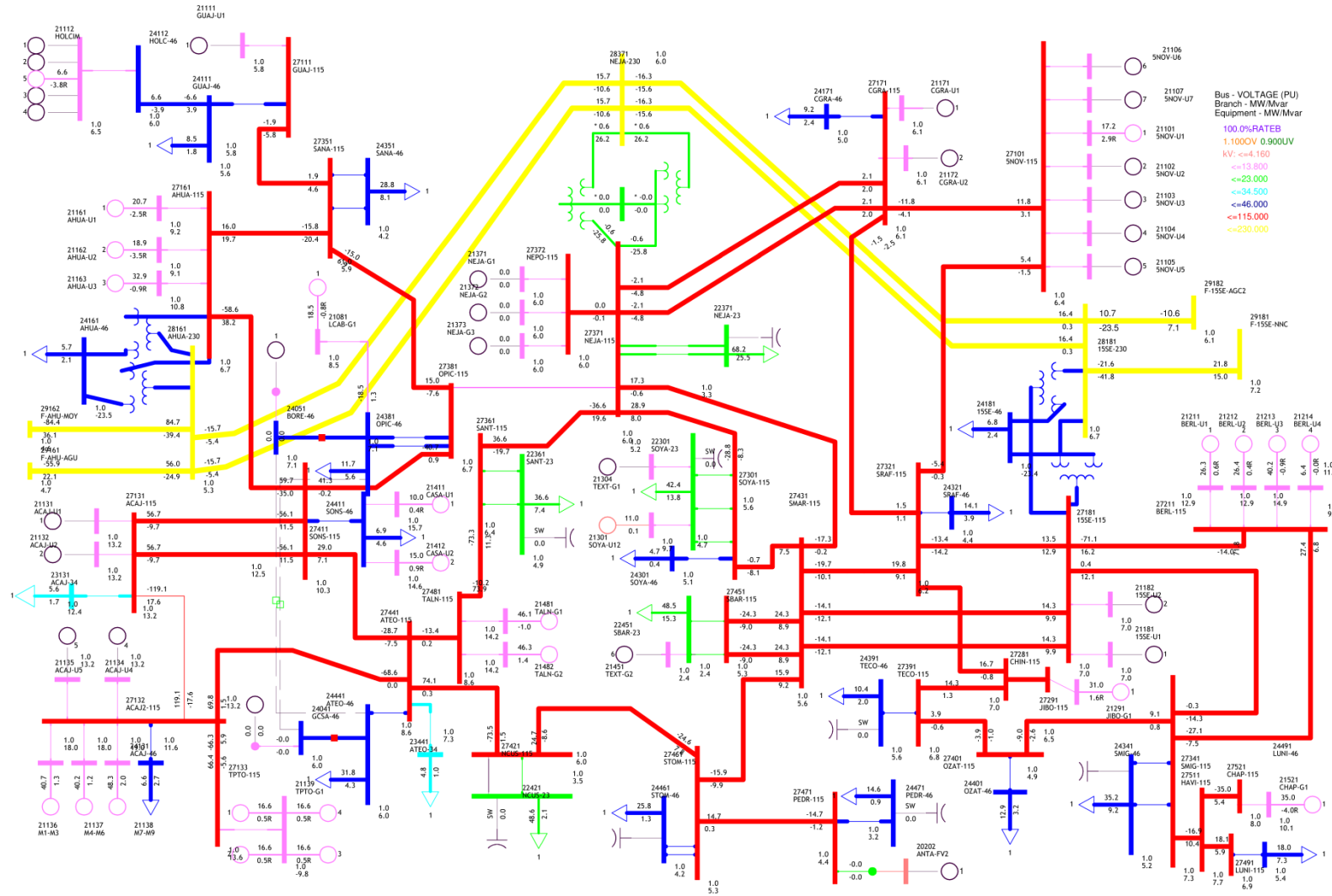
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Mínima Época Seca 2019 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-1ER SEM19  
ESTUDIOS ERT 2018-2019

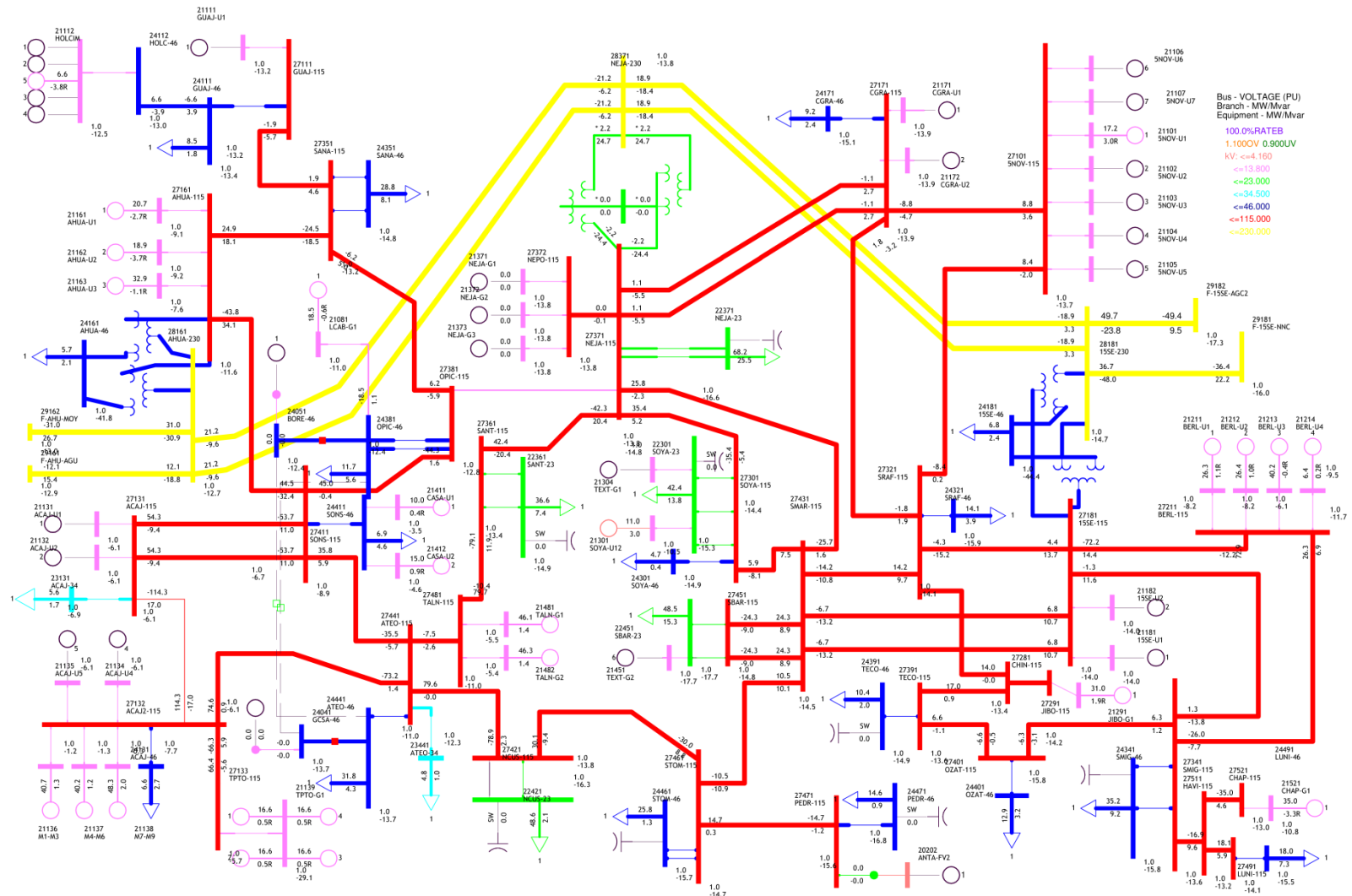
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Diurna Época Húmeda 2019 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

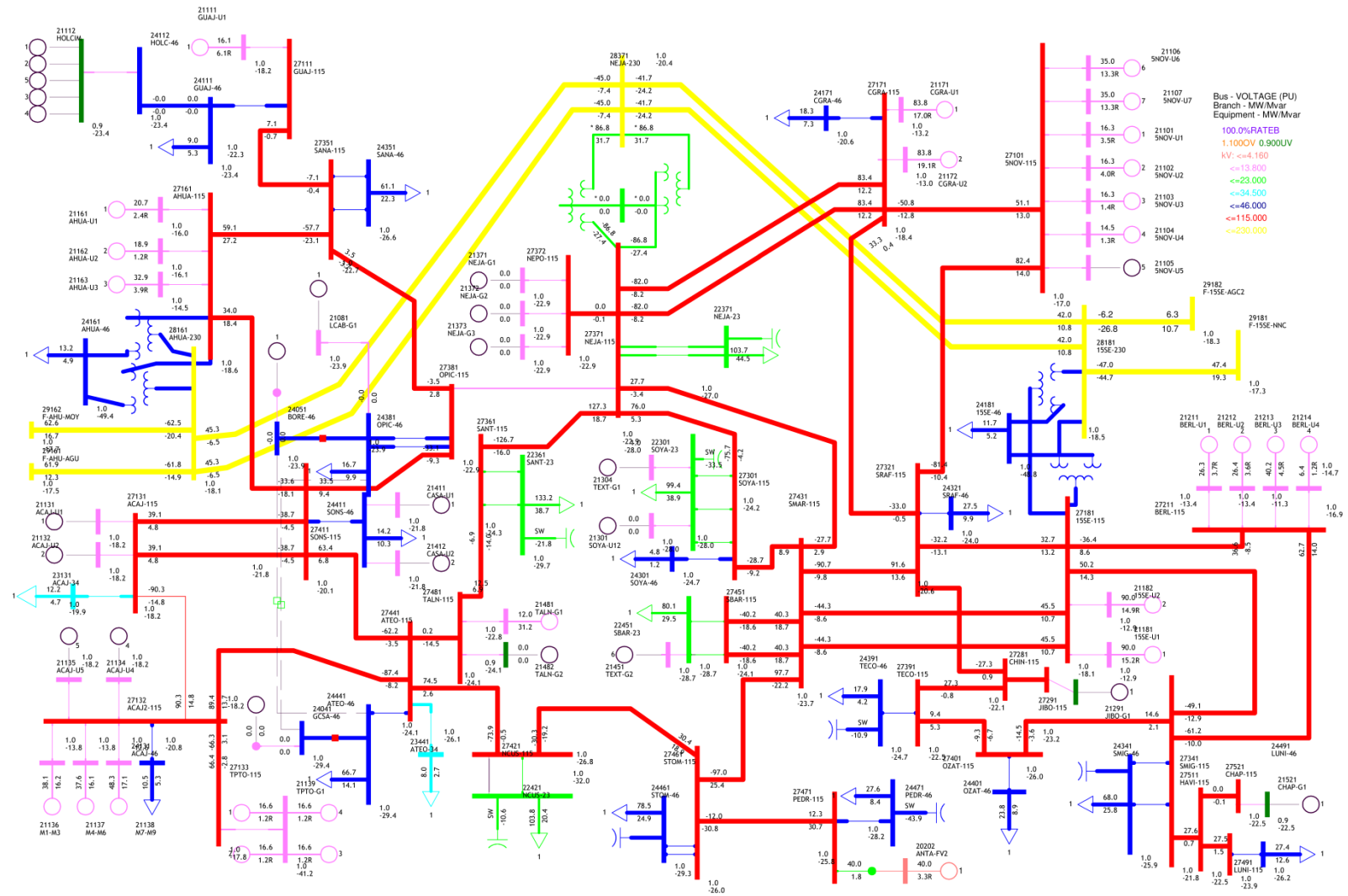
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Diurna Época Húmeda 2019 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

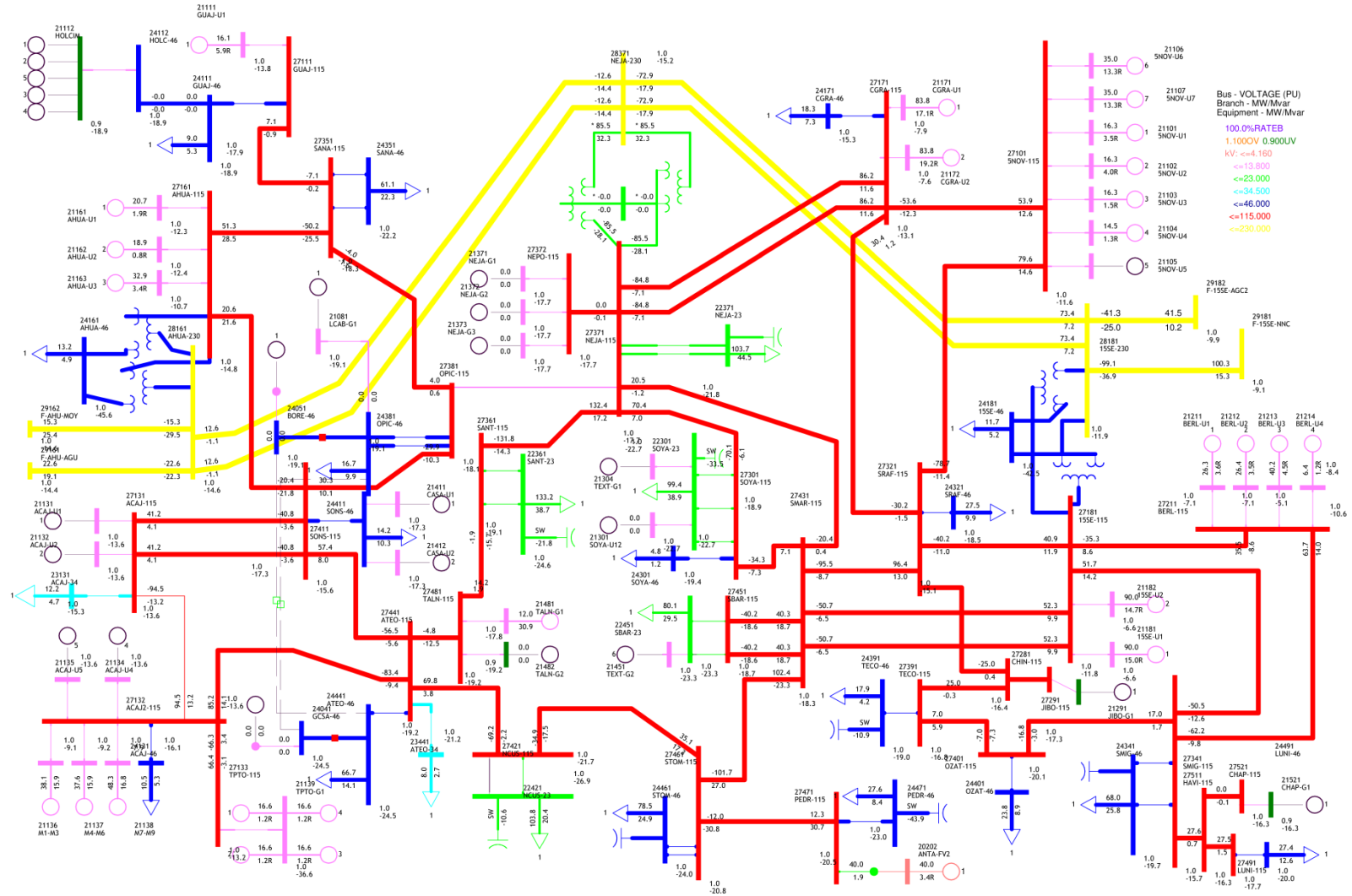
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Diurna Época Húmeda 2019 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

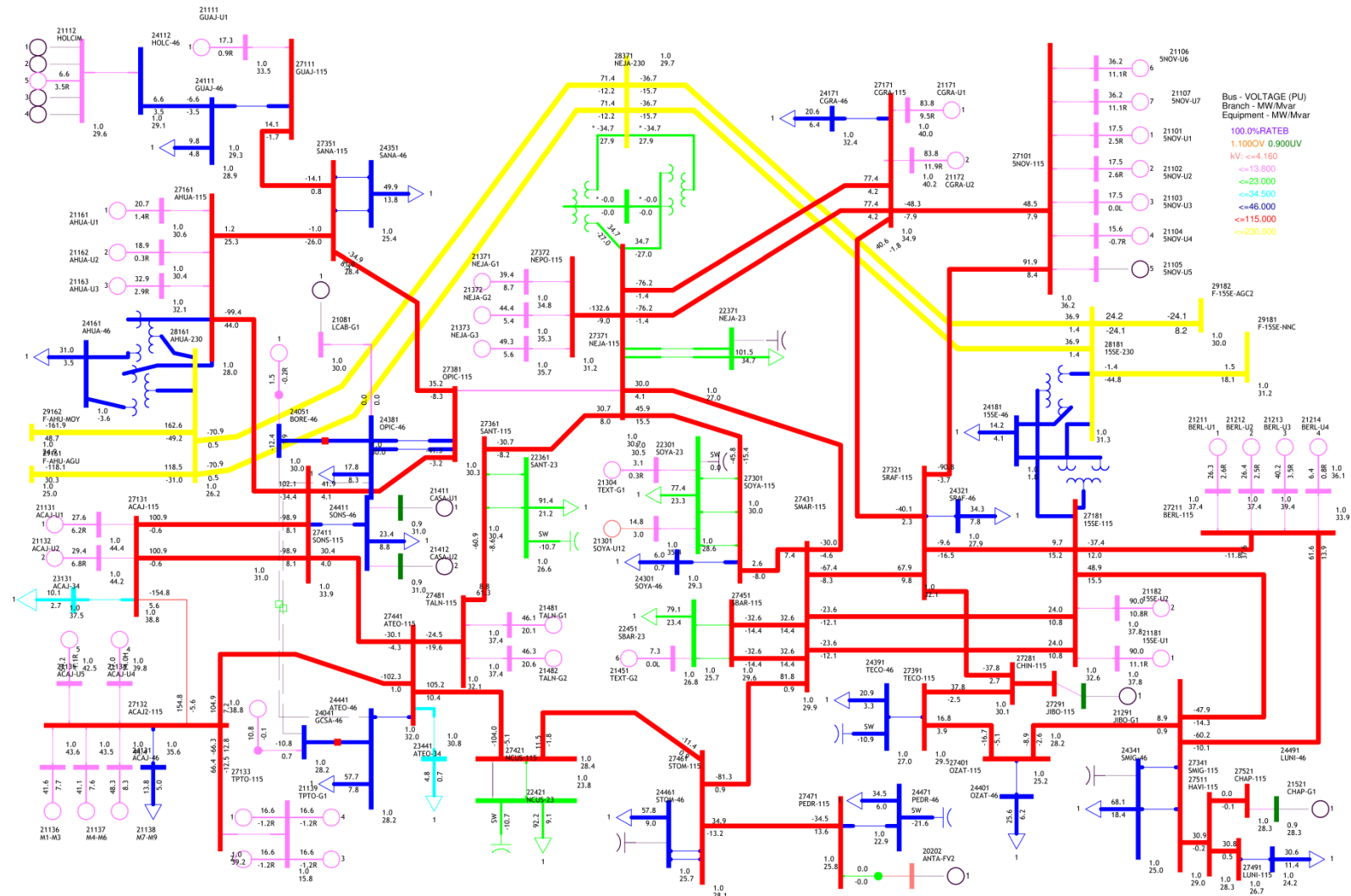
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |                |                |                |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|----------------|----------------|----------------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING PERCENT | RATING PERCENT | RATING PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 54.8 | 50.0  | 109.6 | 50.0 | 109.6   | 50.0           | 109.6          |                |



## **Demanda Máxima Diurna Época Húmeda 2019 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

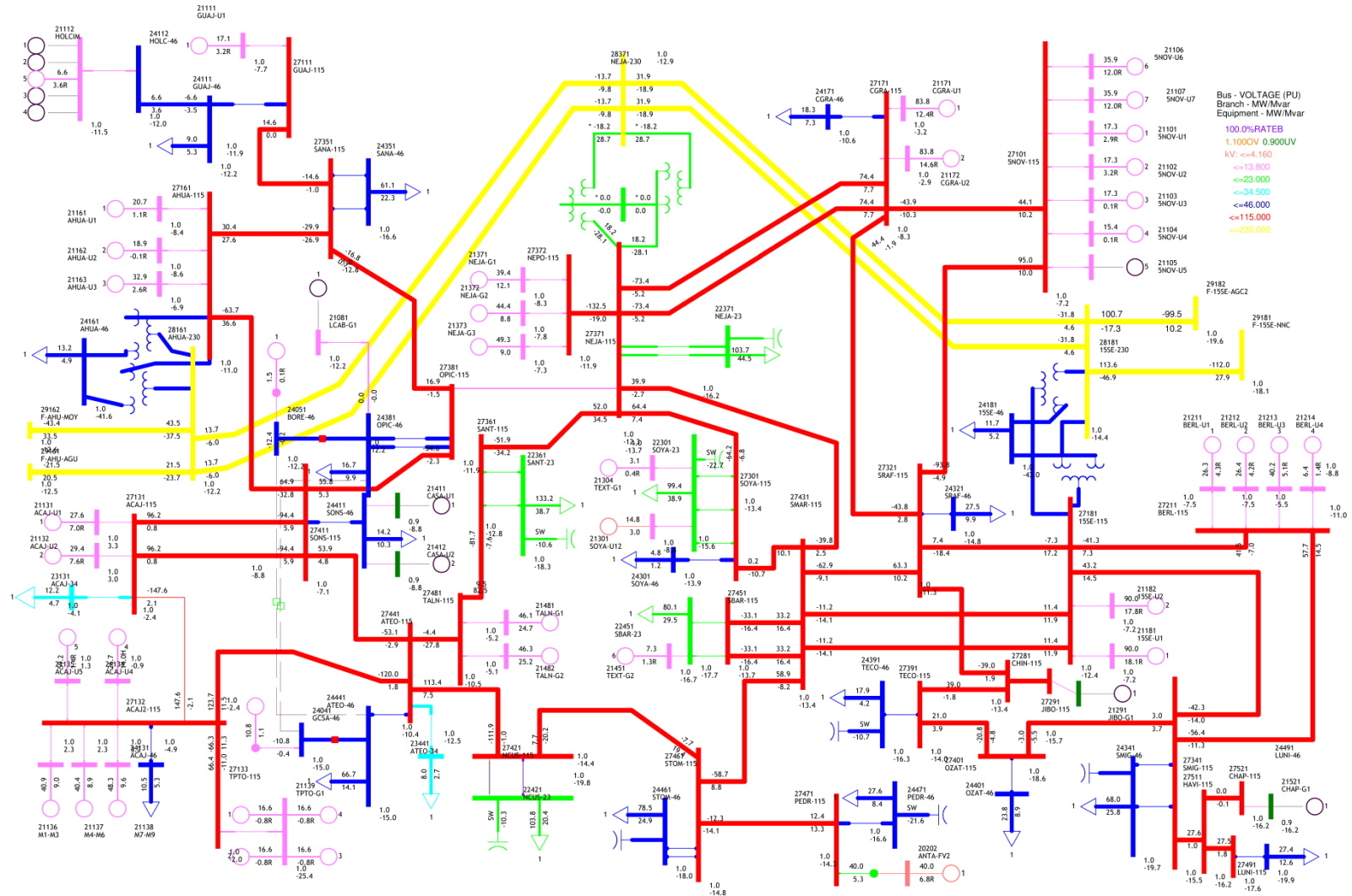
\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX DIU-2DO SEM18  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)  
CURRENT LOADINGS ABOVE 100.0 % OF RATING:

| X----- | FROM BUS | -----X | X----- | TO BUS | -----X   | RATING SET A | RATING SET B | RATING SET C |      |       |       |      |         |        |         |        |         |        |         |
|--------|----------|--------|--------|--------|----------|--------------|--------------|--------------|------|-------|-------|------|---------|--------|---------|--------|---------|--------|---------|
| BUS#   | X--      | NAME   | --X    | BASKV  | AREA     | BUS#         | X--          | NAME         | --X  | BASKV | AREA  | CKT  | LOADING | RATING | PERCENT | RATING | PERCENT | RATING | PERCENT |
| 22421  | NCUS-23  | 23.000 | 2      | 27421  | NCUS-115 | 115.00*      | 2            | 2            | 54.9 | 50.0  | 109.7 | 50.0 | 109.7   | 50.0   | 109.7   | 50.0   | 109.7   | 50.0   | 109.7   |



## **Demanda Máxima Nocturna Época Húmeda 2019 GUA -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM19  
ESTUDIOS ERT 2018-2019

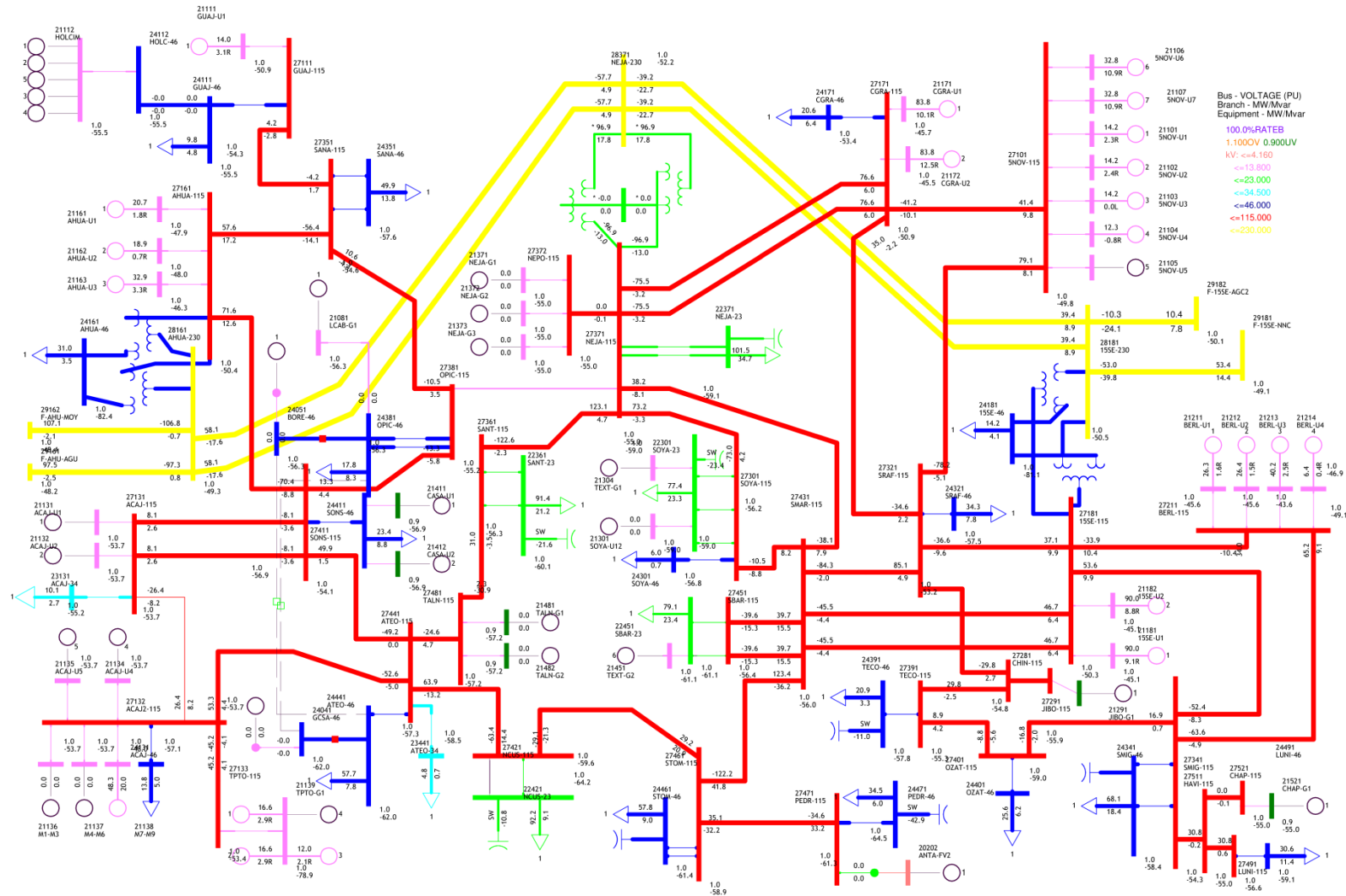
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Húmeda 2019 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM19  
ESTUDIOS ERT 2018-2019

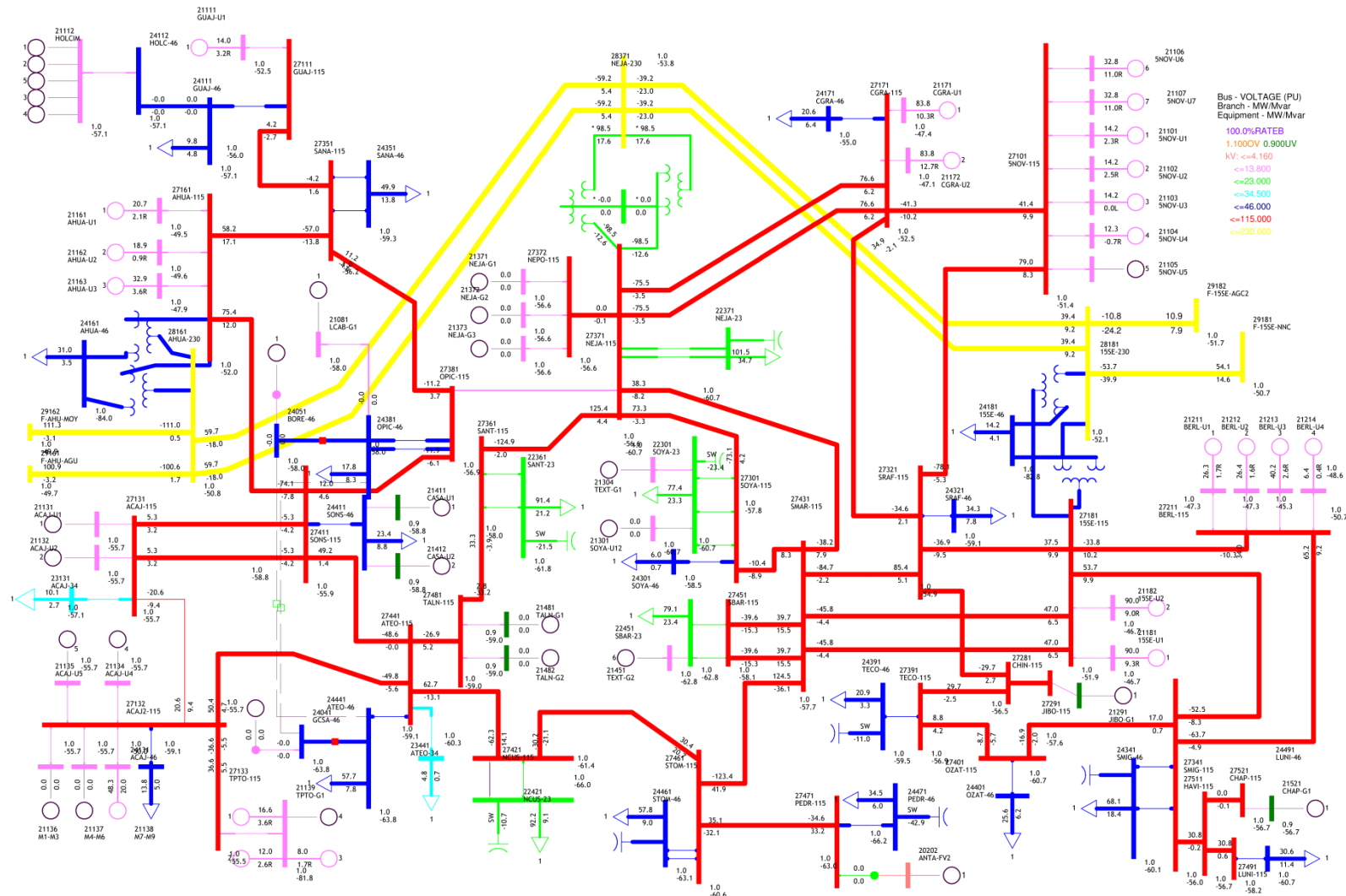
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

X----- FROM BUS -----X X----- TO BUS -----X RATING SET A RATING SET B RATING SET C  
BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Húmeda 2019 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM19  
ESTUDIOS ERT 2018-2019

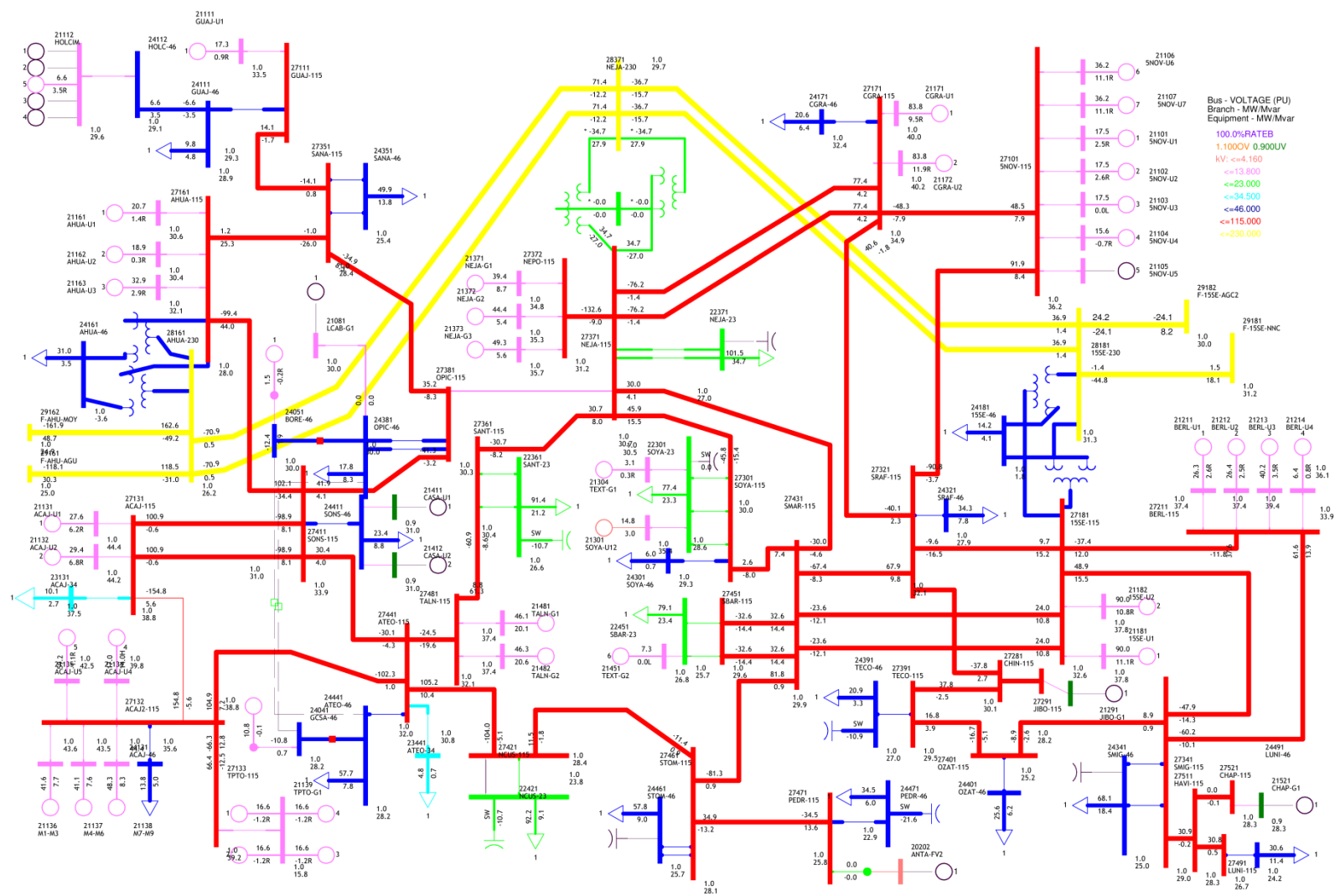
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

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BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## **Demanda Máxima Nocturna Época Húmeda 2019 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

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\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MAX NOC-2DO SEM19  
ESTUDIOS ERT 2018-2019

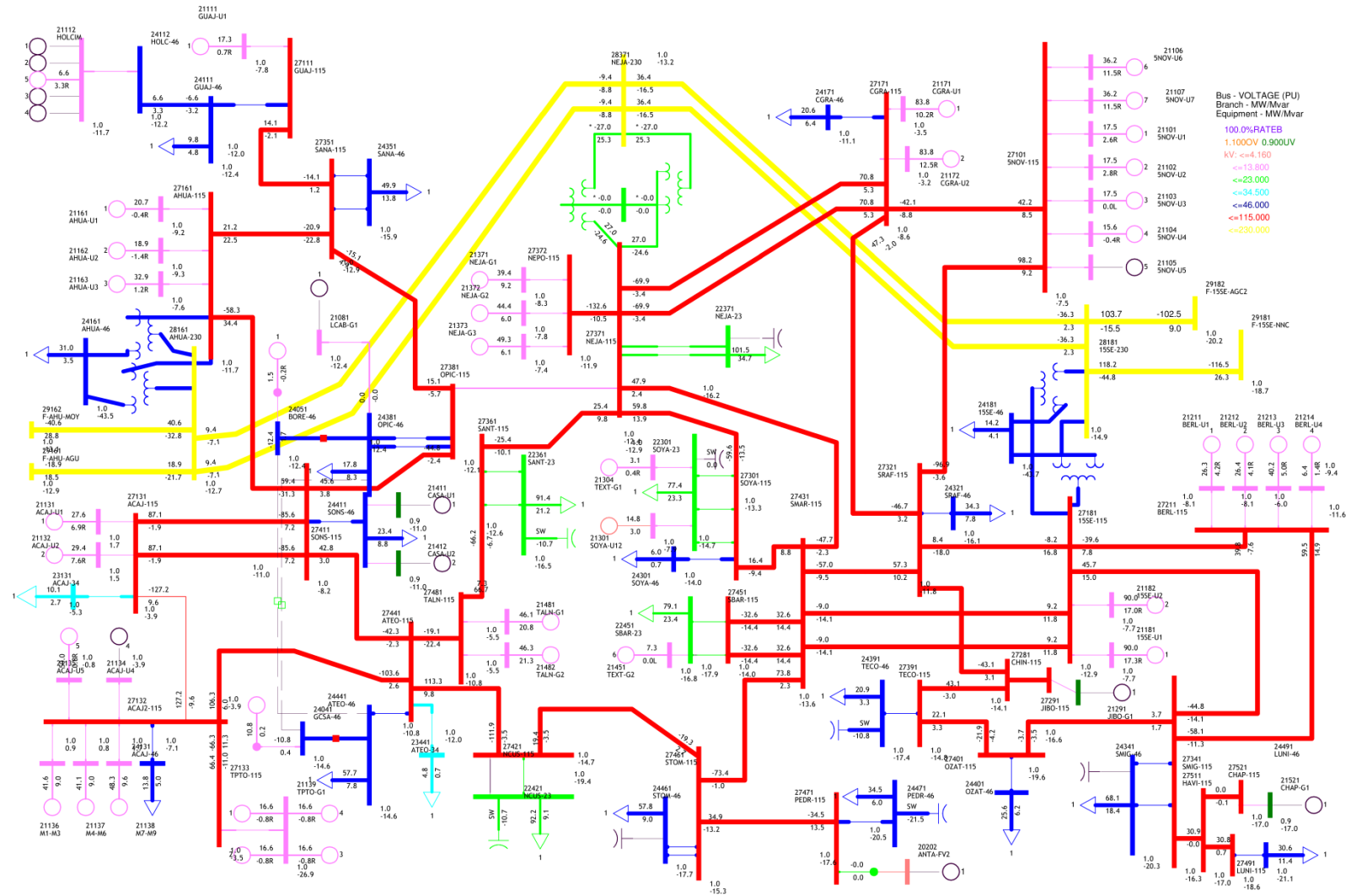
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

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BUS# X-- NAME --X BASKV AREA BUS# X-- NAME --X BASKV AREA CKT LOADING RATING PERCENT RATING PERCENT RATING PERCENT

\* NONE \*



## Demanda Mínima Época Húmeda 2019 GUA -> ESA

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

BUSES WITH VOLTAGE LESS THAN 0.9500:

BUS# X-- NAME --X BASKV AREA V(PU) V(KV) BUS# X-- NAME --X BASKV AREA V(PU) V(KV)

\* NONE \*

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM19  
ESTUDIOS ERT 2018-2019

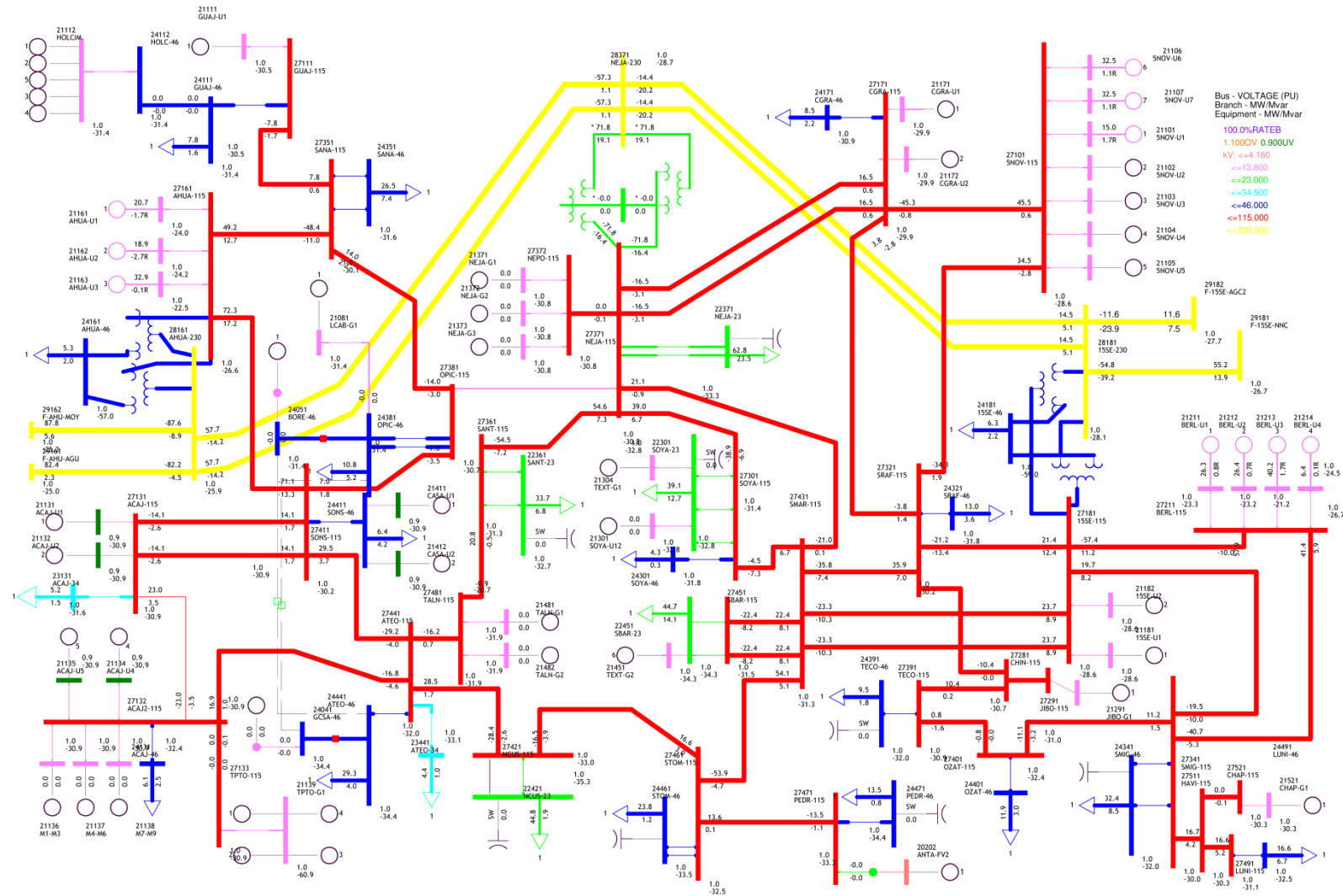
OUTPUT FOR AREA 2 [SALVADOR ]

SUBSYSTEM LOADING CHECK (INCLUDED: LINES; BREAKERS AND SWITCHES; TRANSFORMERS) (EXCLUDED: NONE)

CURRENT LOADINGS ABOVE 100.0 % OF RATING:

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\* NONE \*



## **Demanda Mínima Época Húmeda 2019 HON -> ESA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

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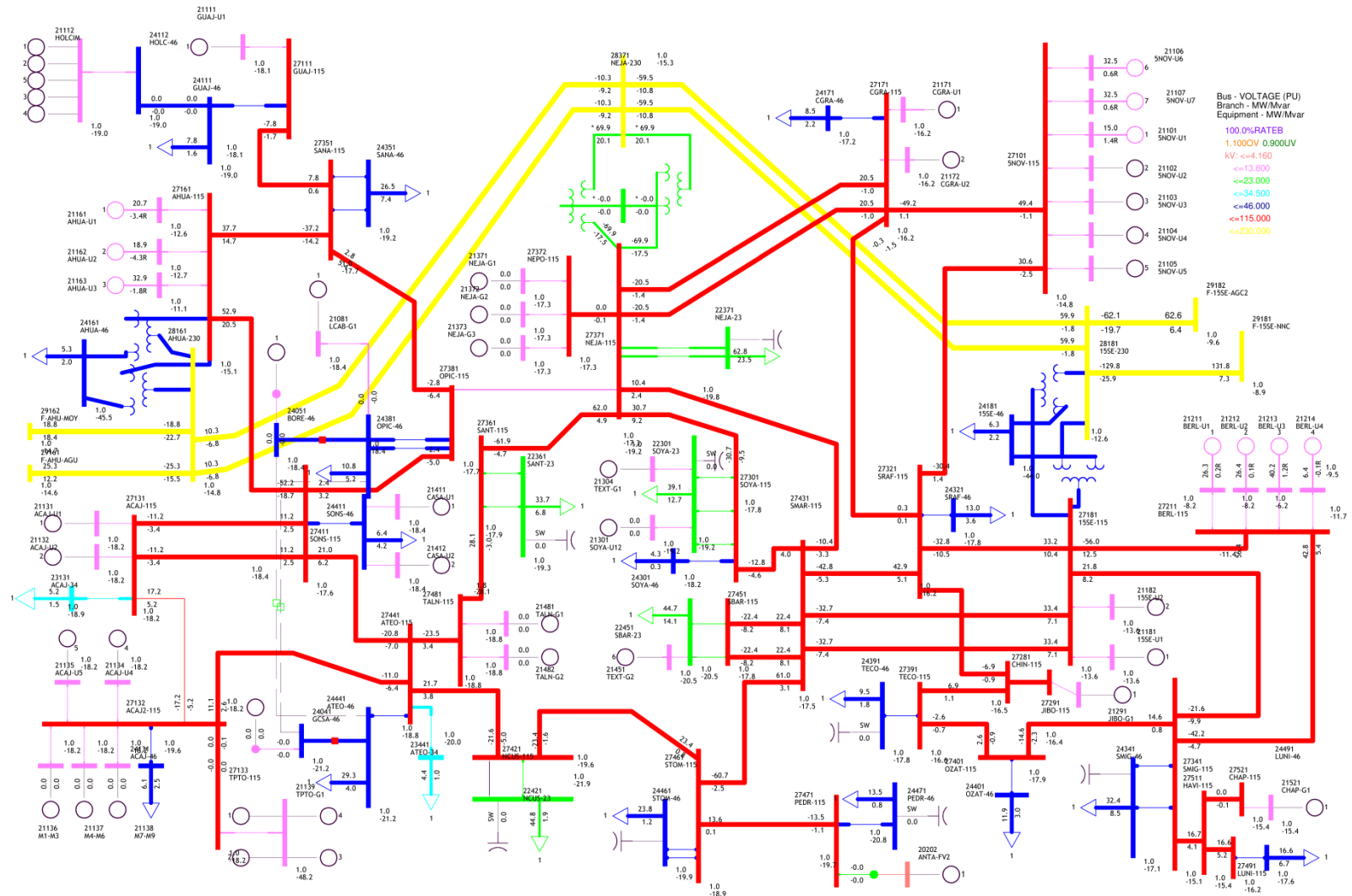
PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM19  
ESTUDIOS ERT 2018-2019

OUTPUT FOR AREA 2 [SALVADOR ]

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\* NONE \*



## **Demanda Mínima Época Húmeda 2019 ESA -> GUA**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM19  
ESTUDIOS ERT 2018-2019

BUSES WITH VOLTAGE GREATER THAN 1.0500:

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SISTEMA ELÉCTRICO REGIONAL - DEMANDA MINIMA-2DO SEM19  
ESTUDIOS ERT 2018-2019

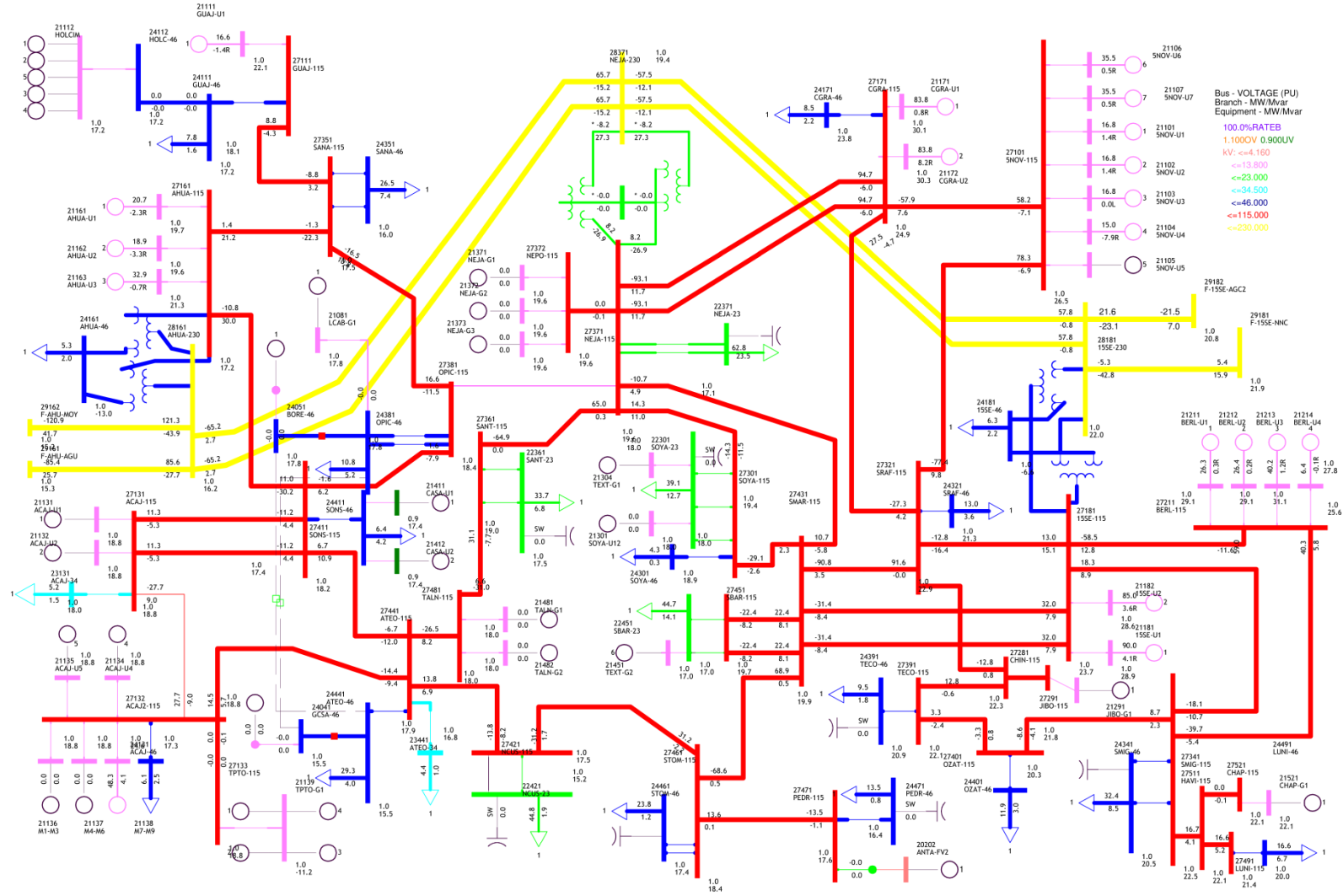
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## **Demanda Mínima Época Húmeda 2019 ESA -> HON**

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, MAR 15 2018 14:26  
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