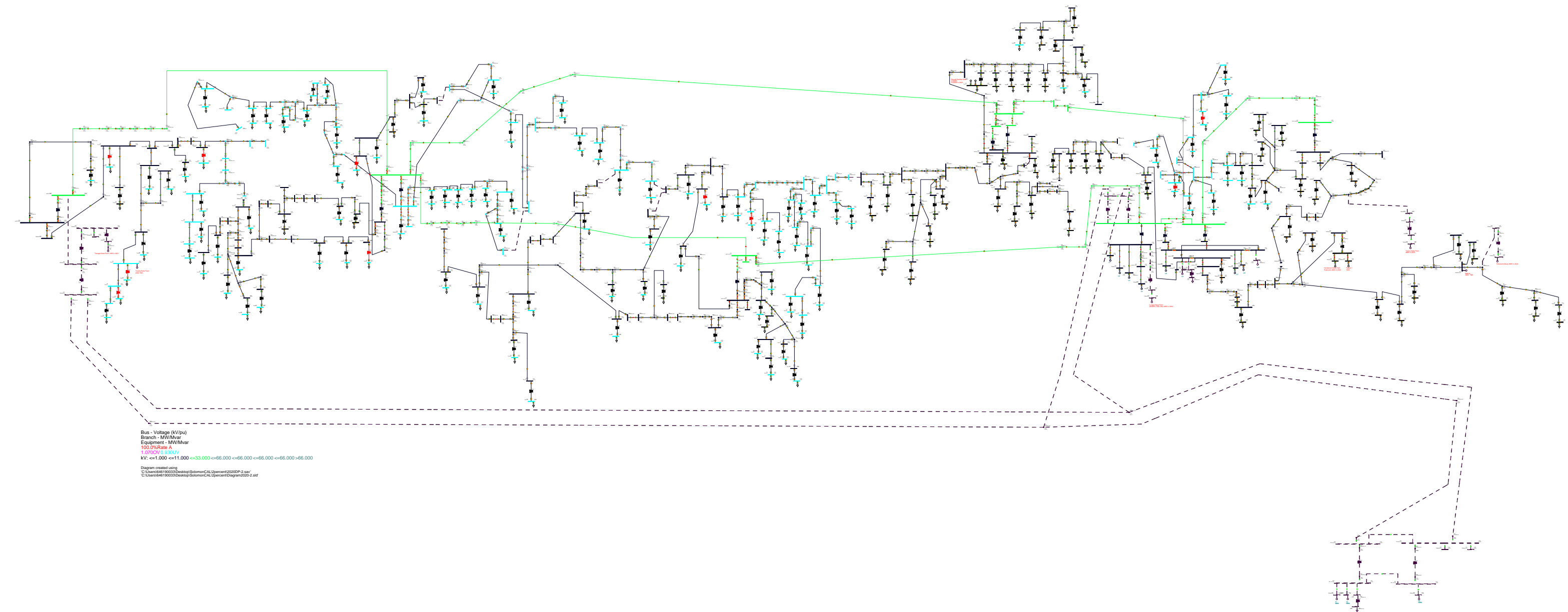
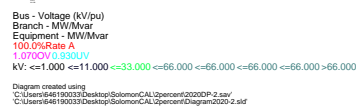


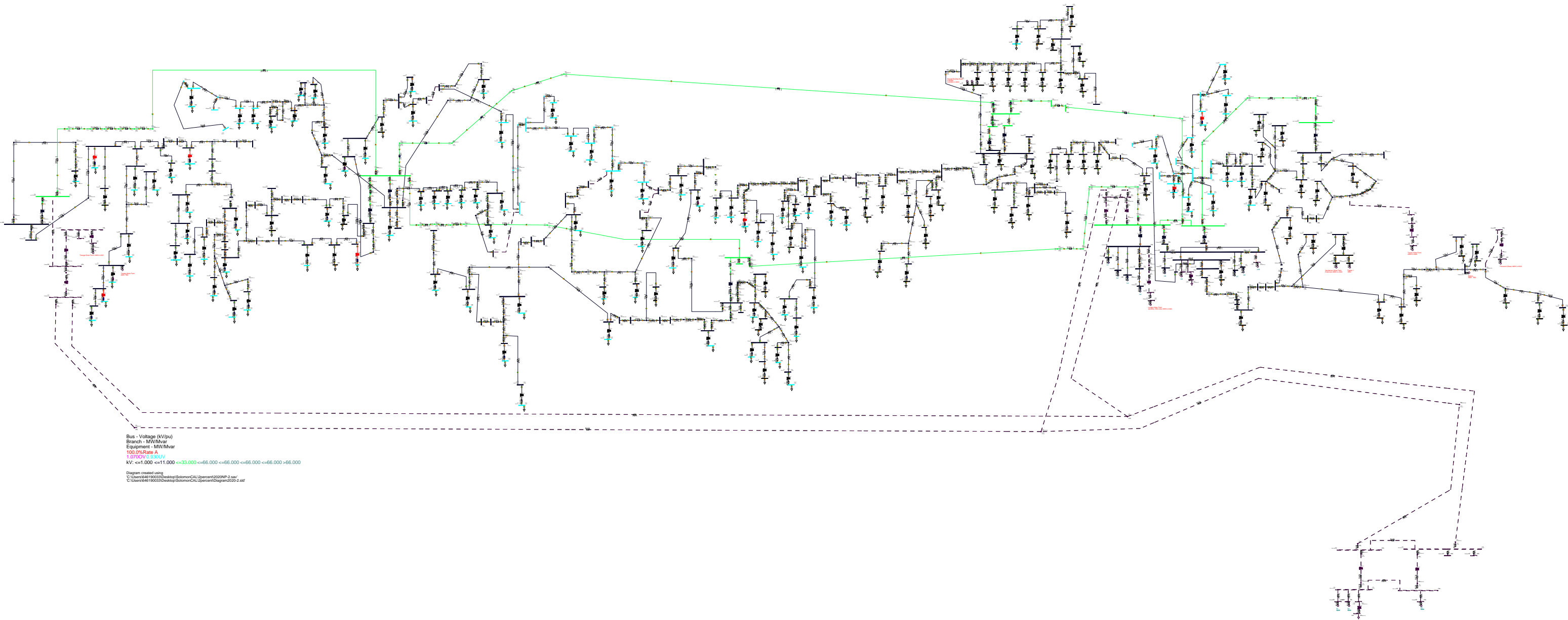
APPENDIX

Power flow diagram in 2020 at daytime peak load

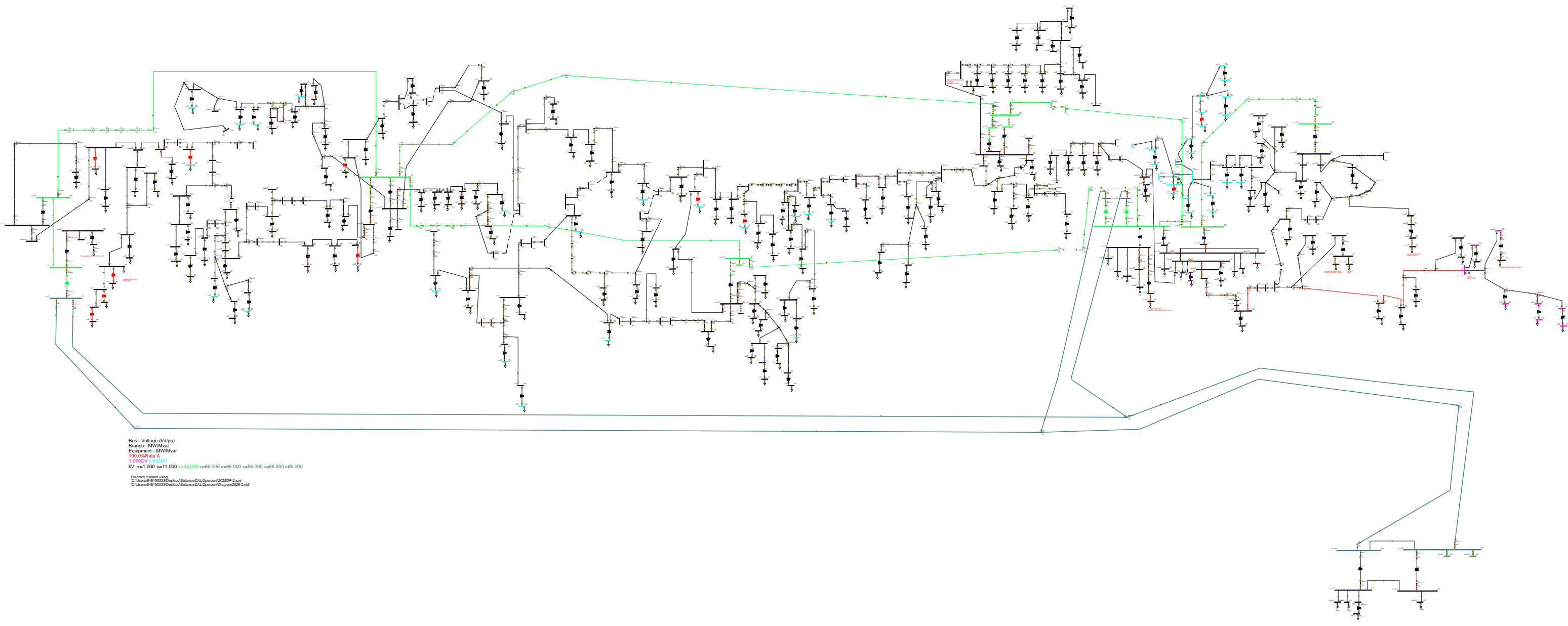




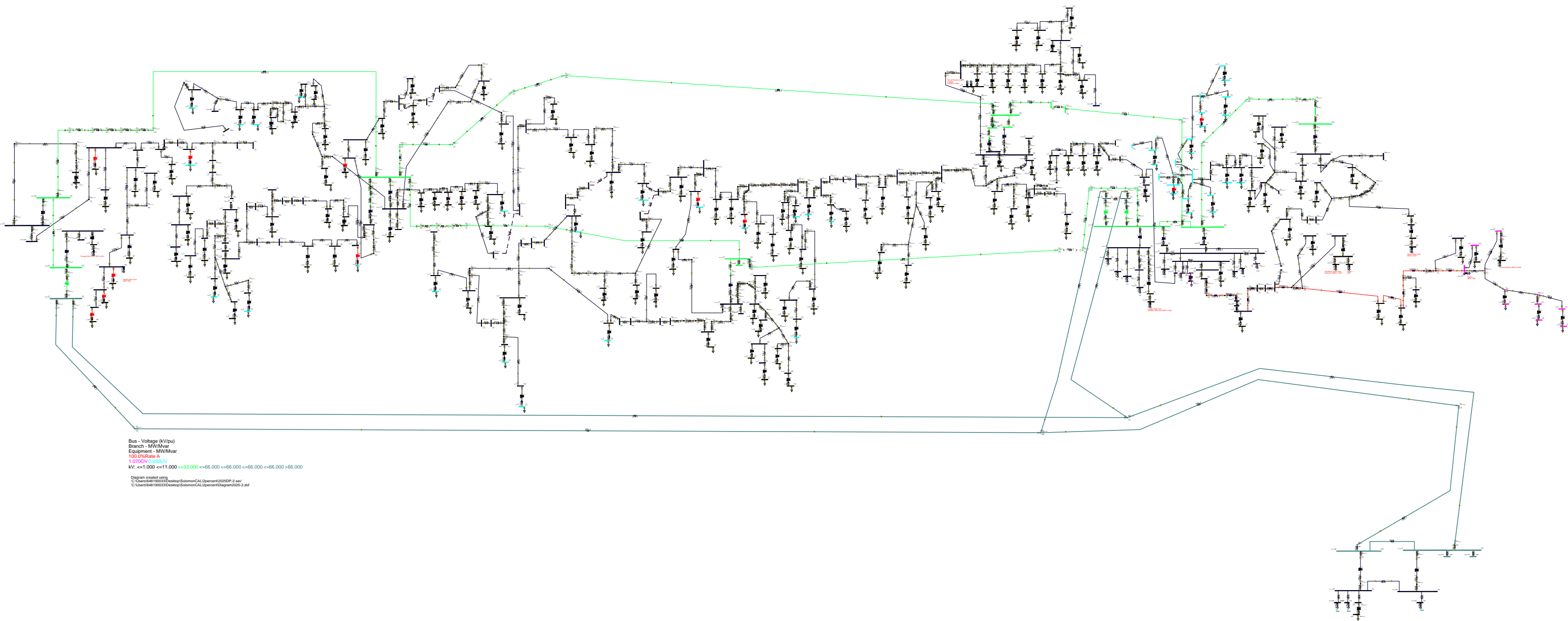
Power flow diagram in 2020 at nighttime peak load (Loading Rate)



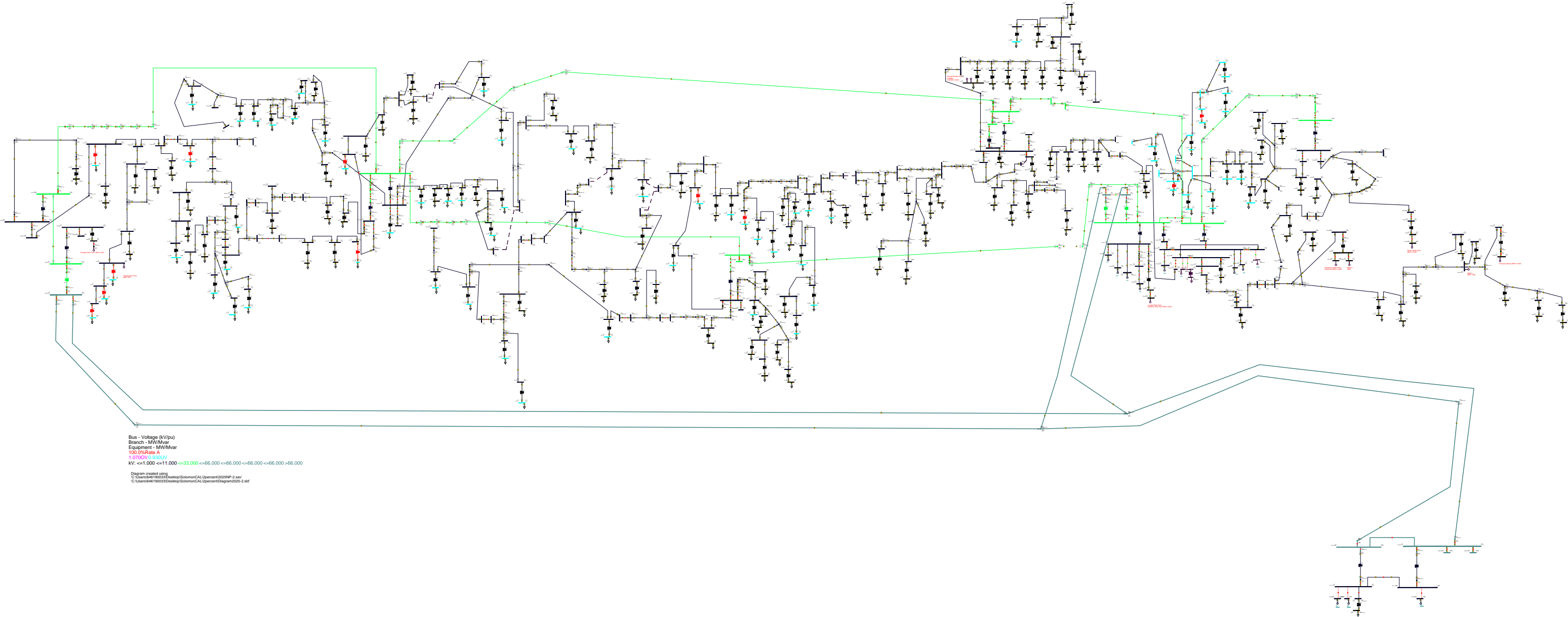
Power flow diagram in 2025 at daytime peak load



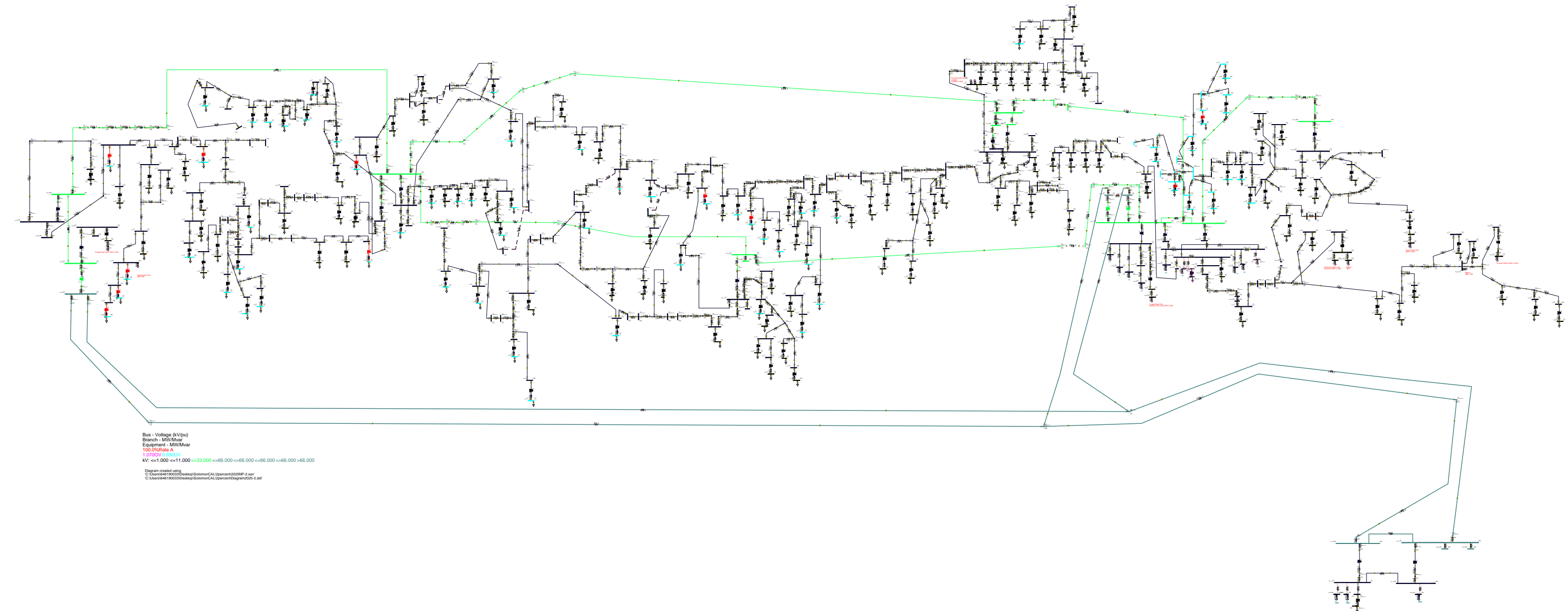
Power flow diagram in 2025 at daytime peak load (Loading Rate)



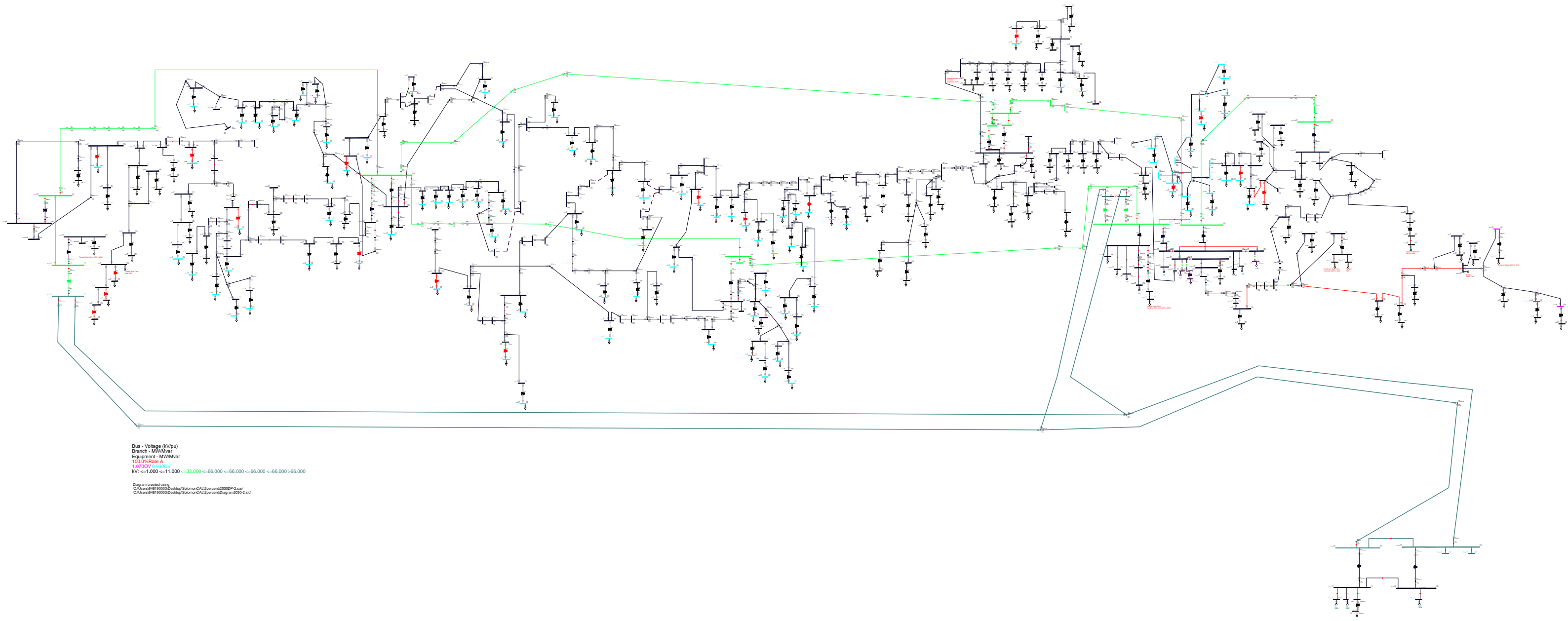
Power flow diagram in 2025 at nighttime peak load



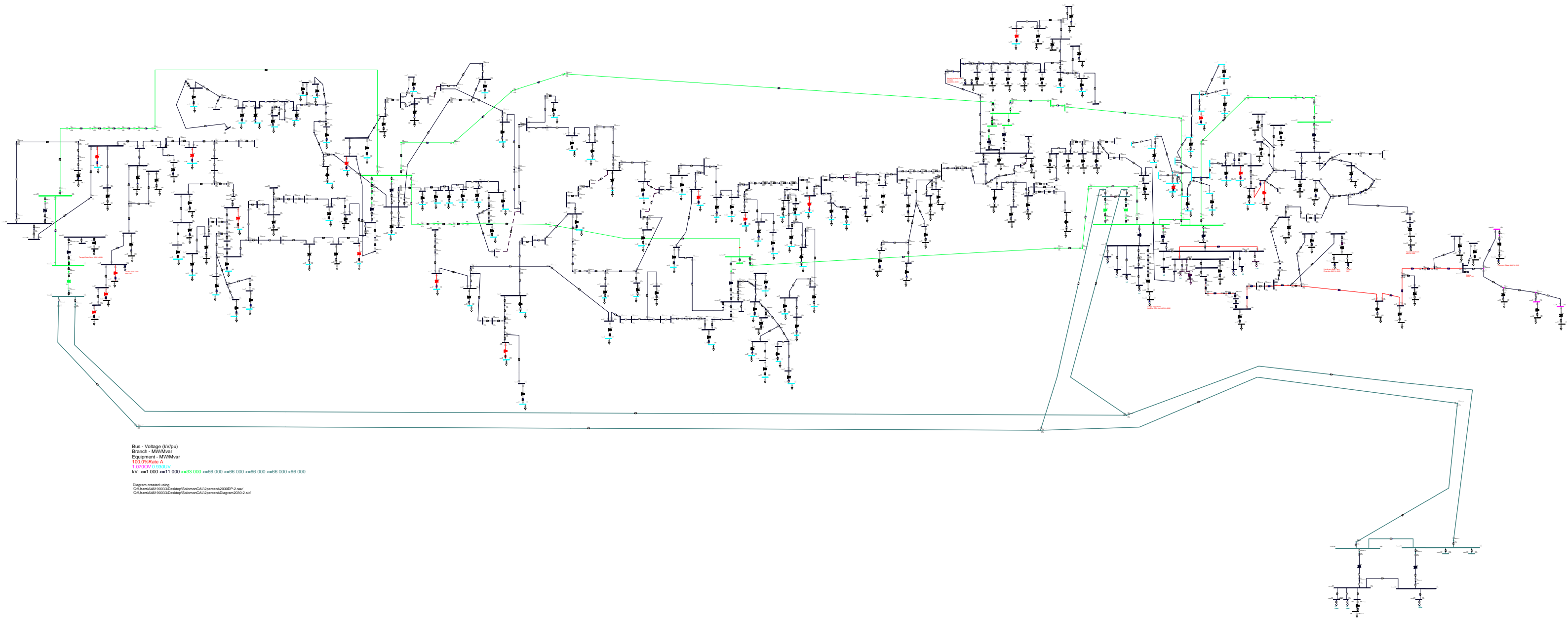
Power flow diagram in 2025 at nighttime peak load (Loading Rate)



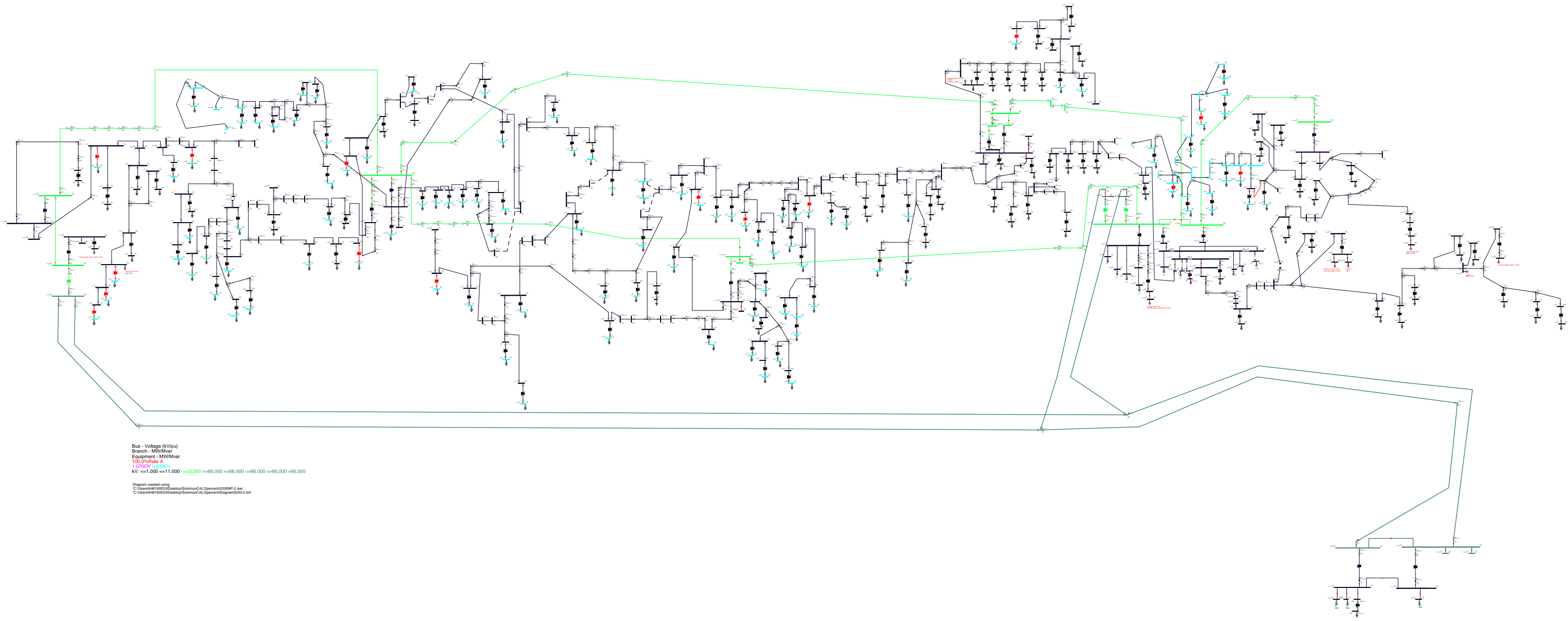
Power flow diagram in 2030 at daytime peak load



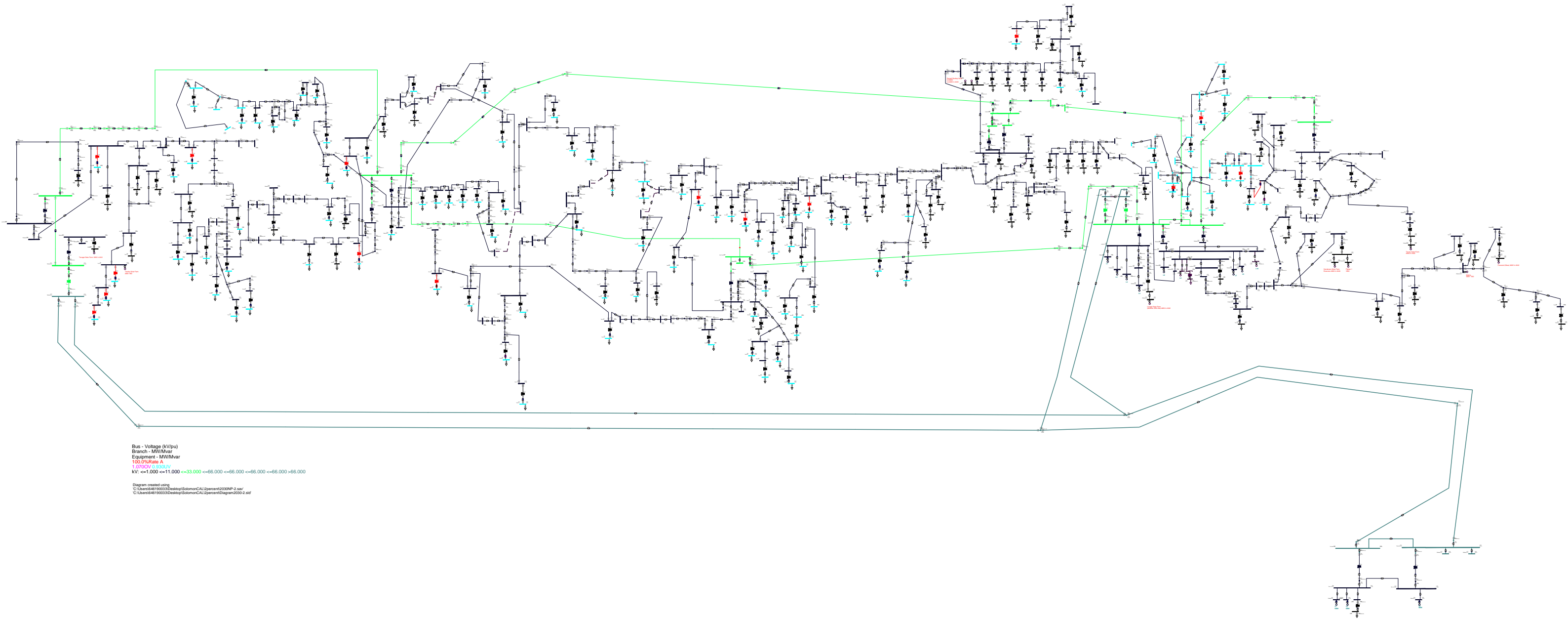
Power flow diagram in 2030 at daytime peak load (Loading Rate)



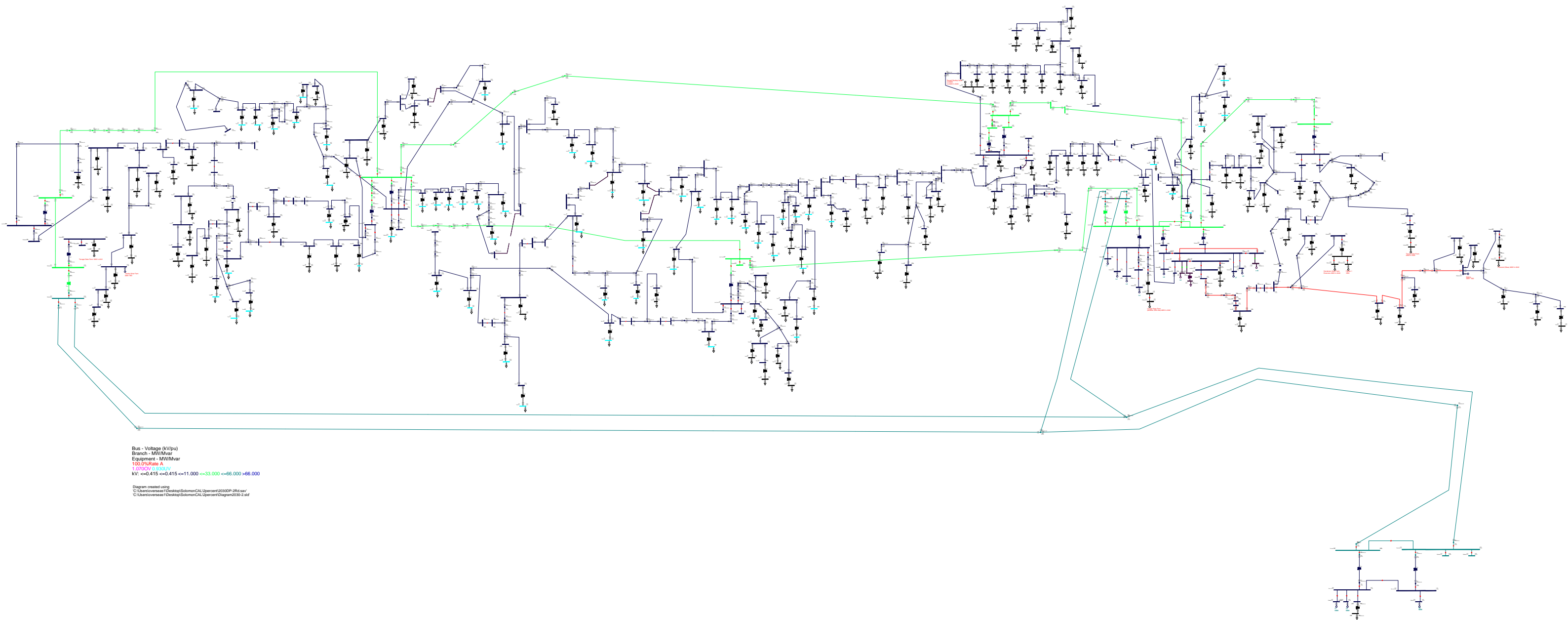
Power flow diagram in 2030 at nighttime peak load



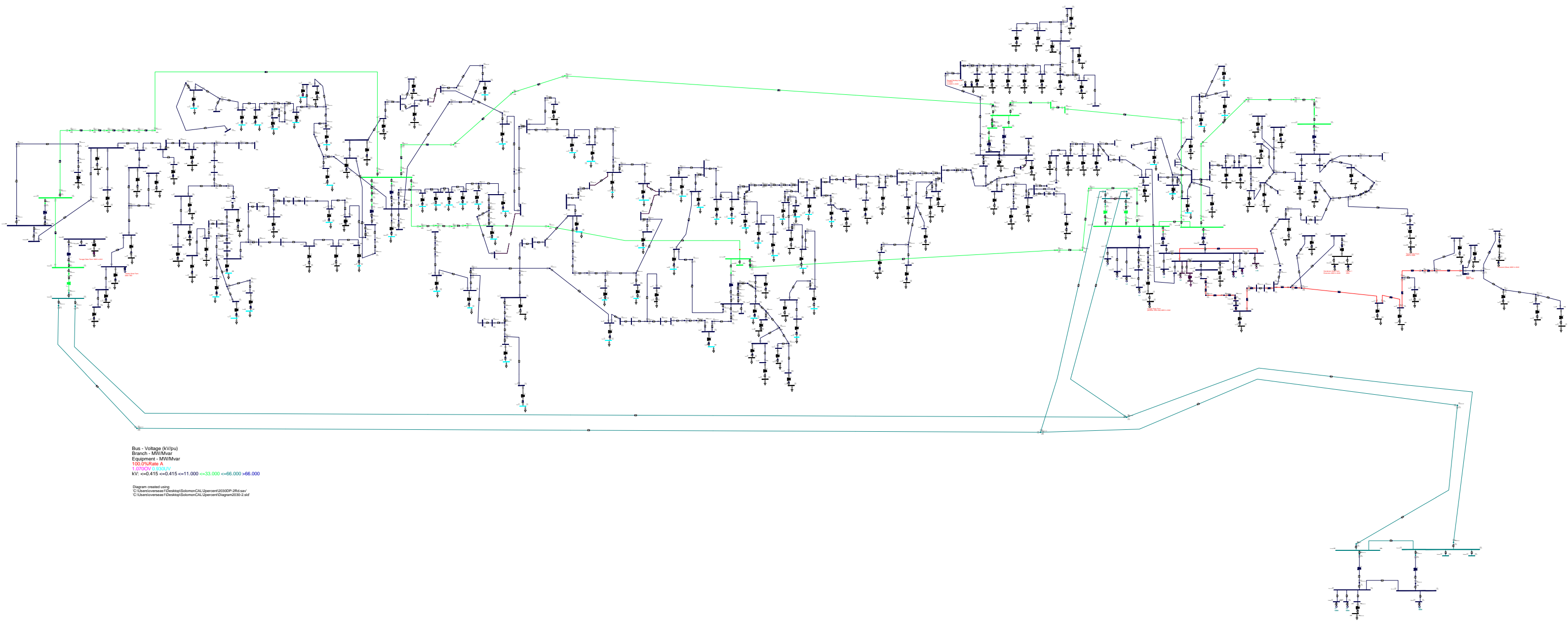
Power flow diagram in 2030 at nighttime peak load (Loading Rate)



Power flow diagram in 2030 at daytime peak load after implementation of equipment measures against load increase factors



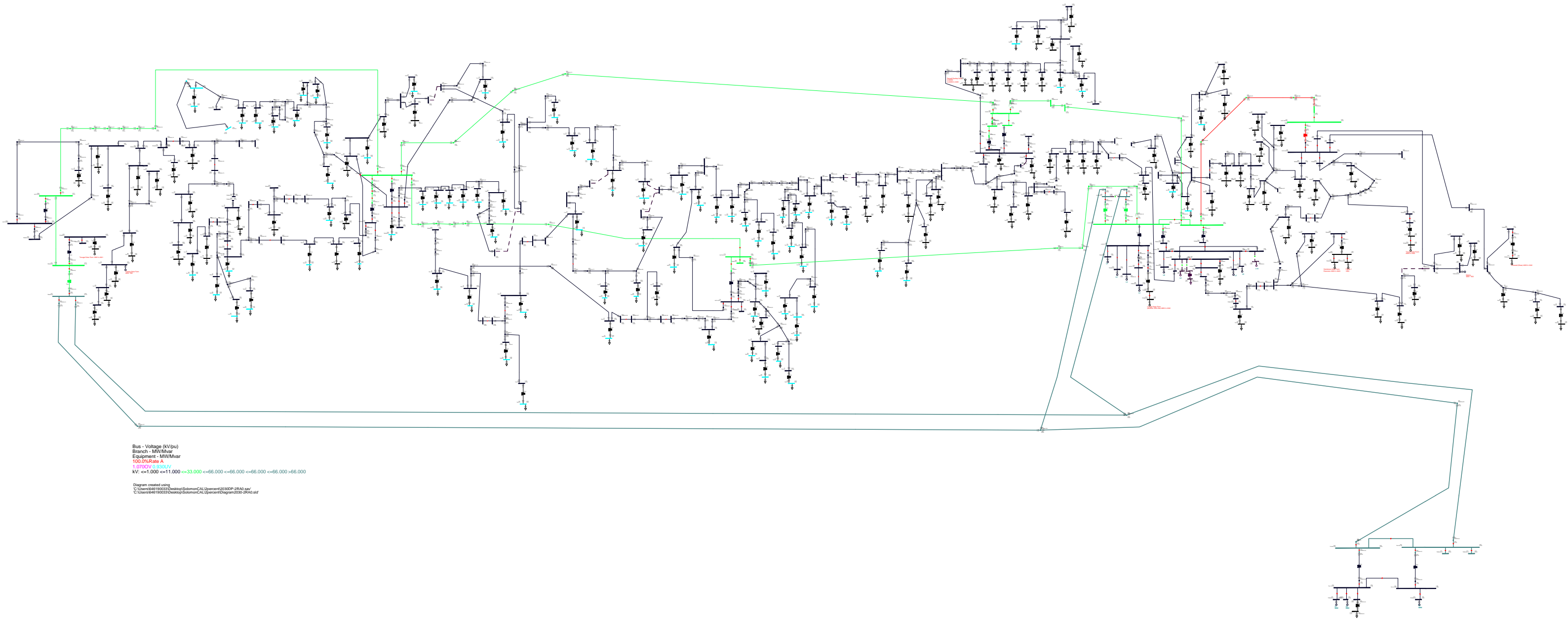
Power flow diagram in 2030 at daytime peak load after implementation of equipment measures against load increase factors
(Loading Rate)



A 5-8 A

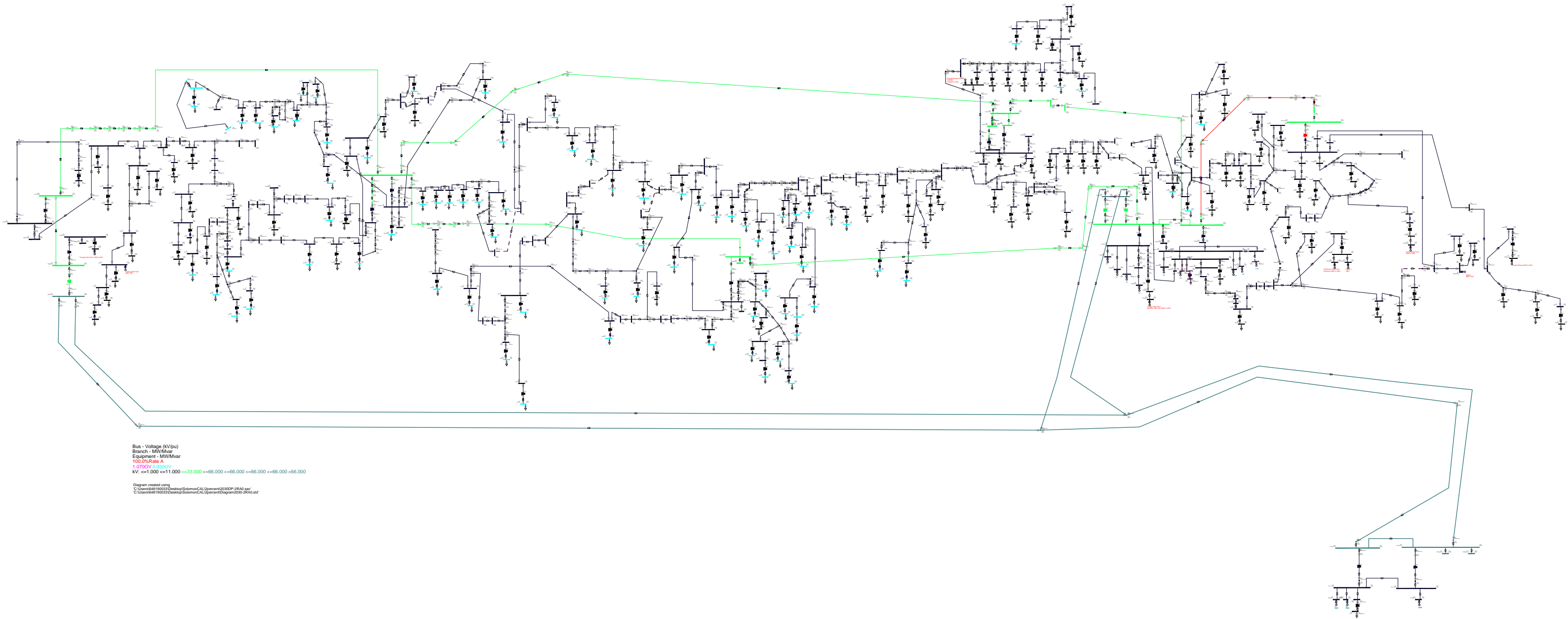
Power flow diagram in 2030 at daytime peak load Plan A (1)

With only reinforcement of two 11kV transmission lines from East Honiara Substation



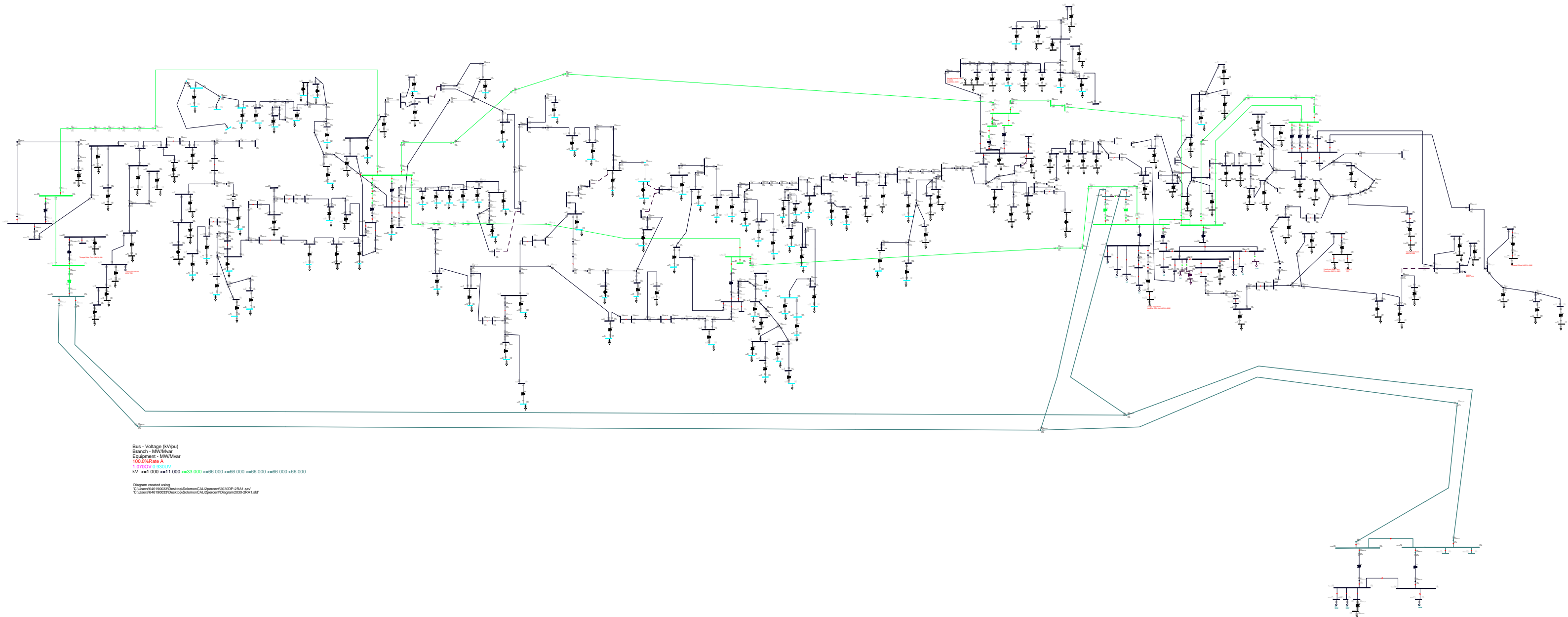
Power flow diagram in 2030 at daytime peak load Plan A (1) (Loading Rate)

With only reinforcement of two 11kV transmission lines from East Honiara Substation



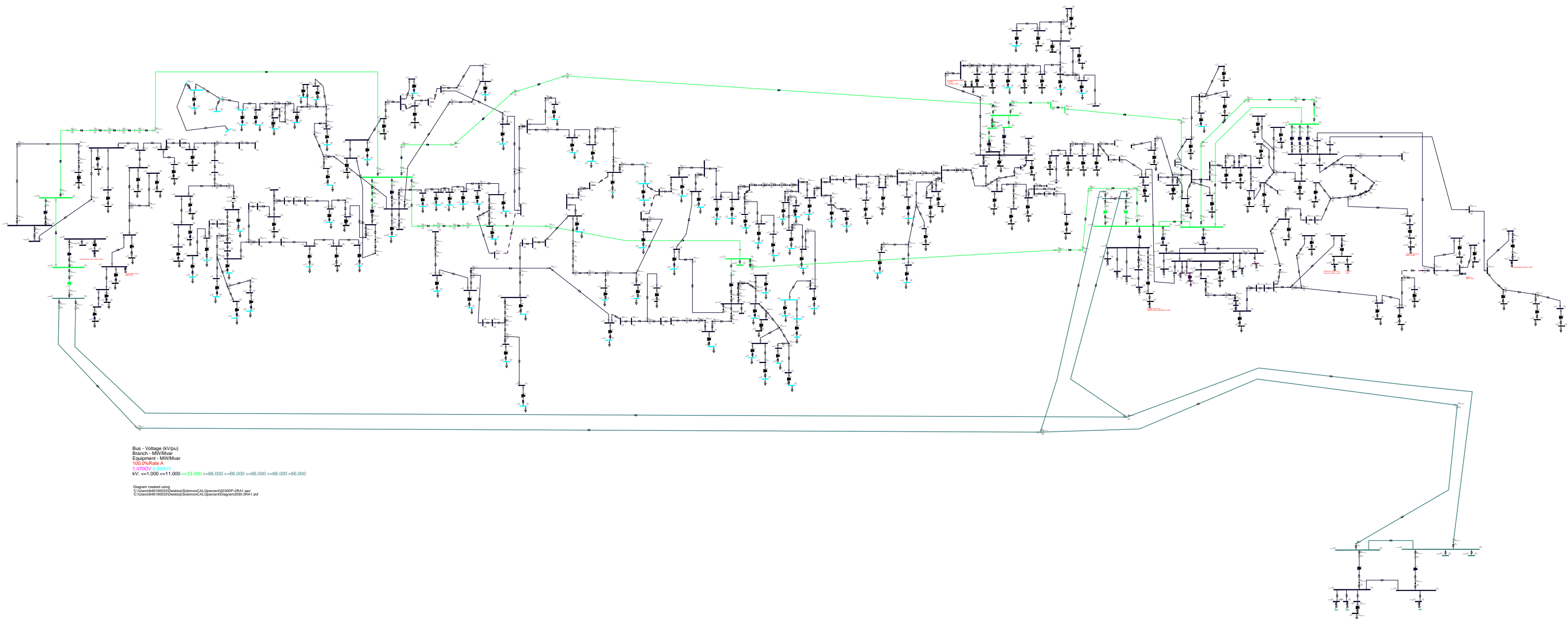
Power flow diagram in 2030 at daytime peak load Plan A (2)

With reinforcement of two 11kV transmission lines, two 33kV transformers and one 33kV transmission line from/at East Honiara Substation



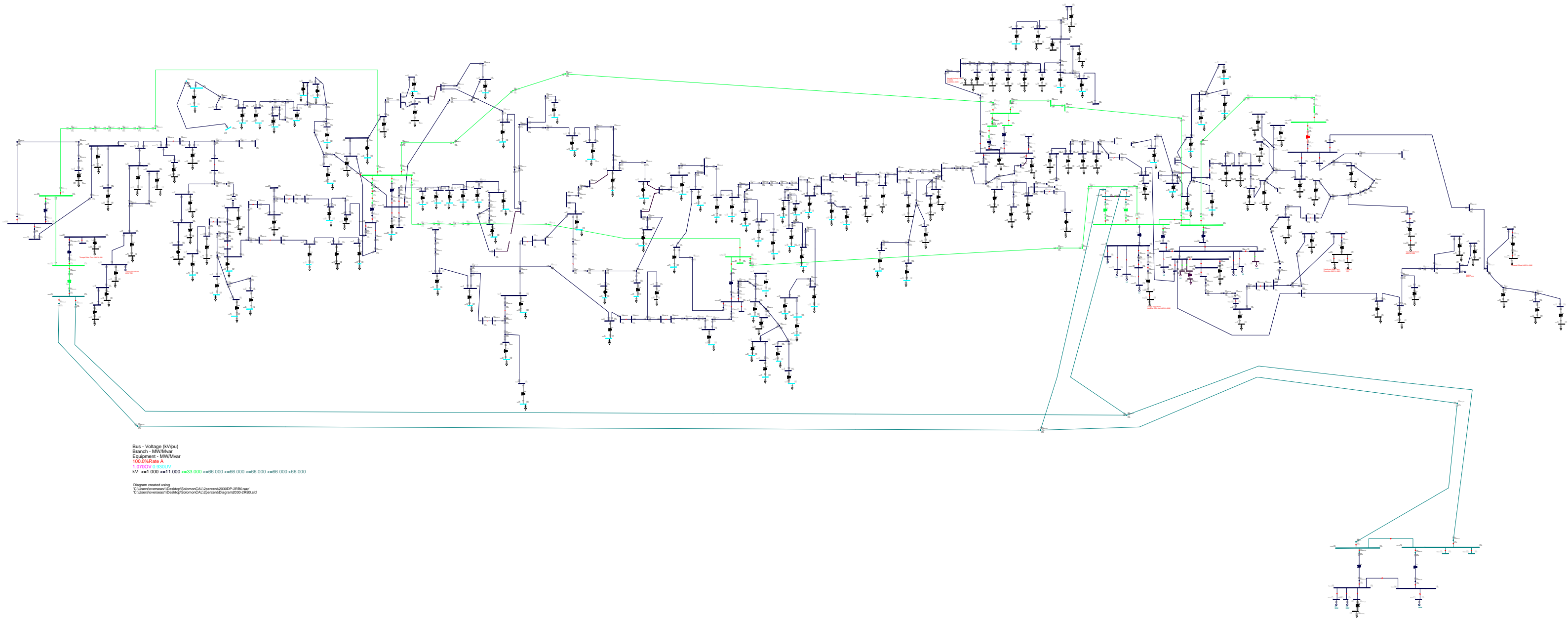
Power flow diagram in 2030 at daytime peak load Plan A (2) (Loading Rate)

With reinforcement of two 11kV transmission lines, two 33kVtransoformers and one 33kV transmission line from/at East Honiara Substation



A 5-10 A
Power flow diagram in 2030 at daytime peak load Plan B (1)

With only reinforcement of one 11kV transmission line from East Honiara Substation and Lungga Power Station respectively



Power flow diagram in 2030 at daytime peak load Plan B (1) (Loading Rate)

With only reinforcement of one 11kV transmission line from East Honiara Substation and Lungga Power Station respectively

