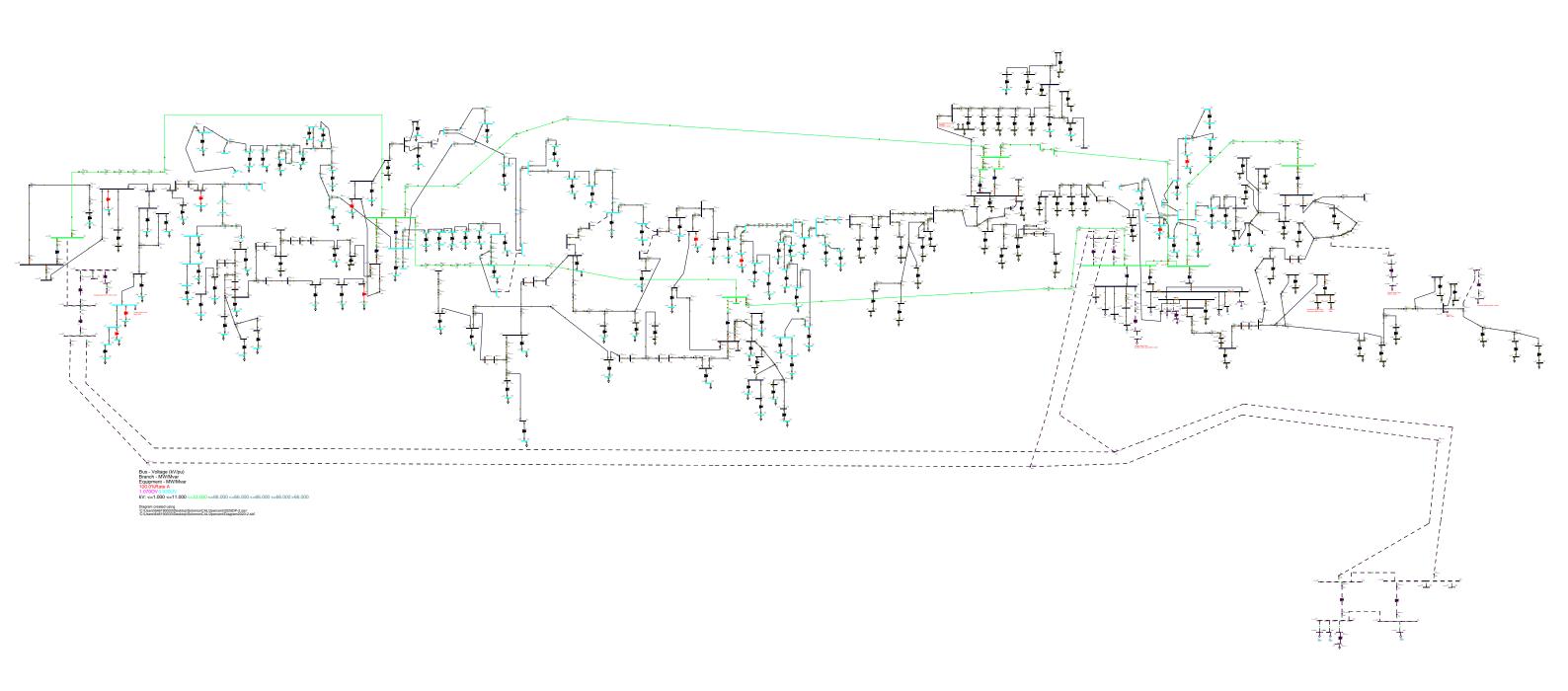
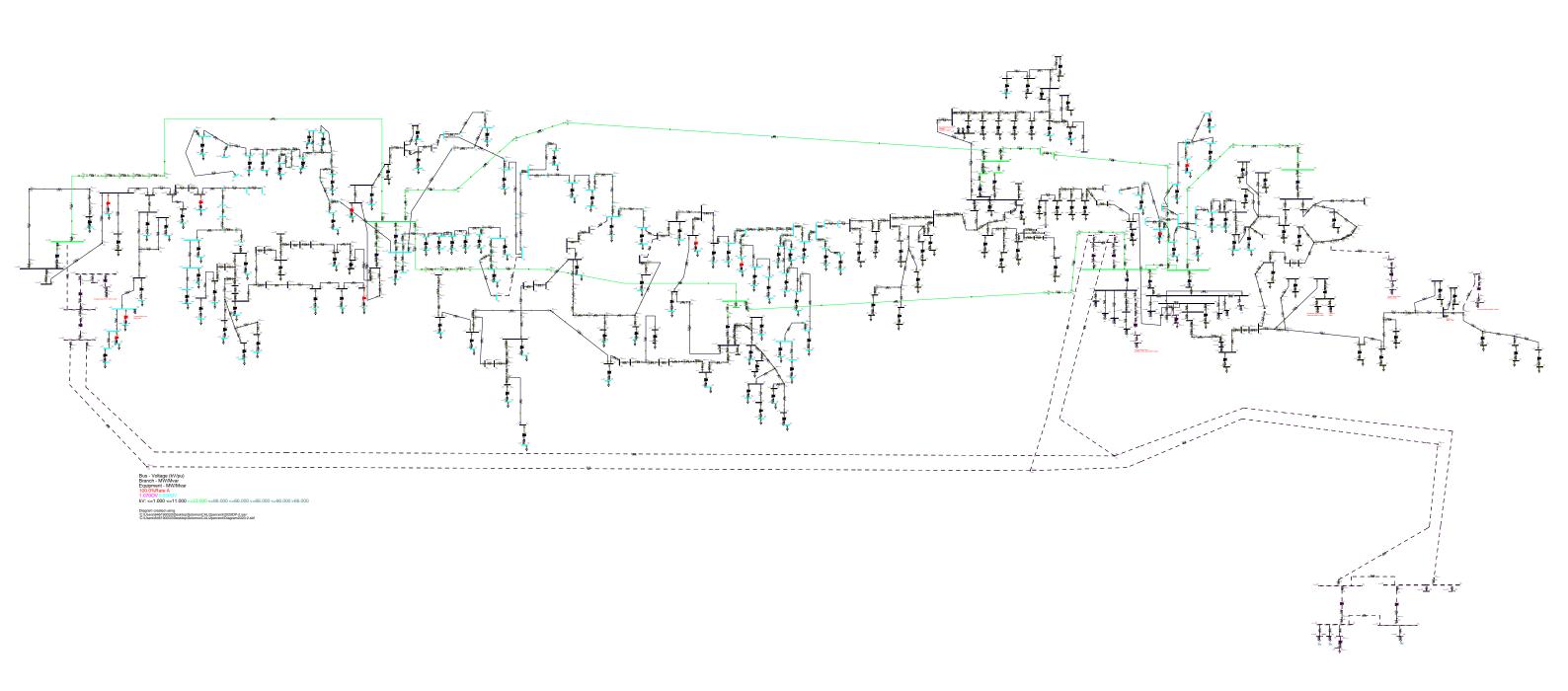
APPENDIX

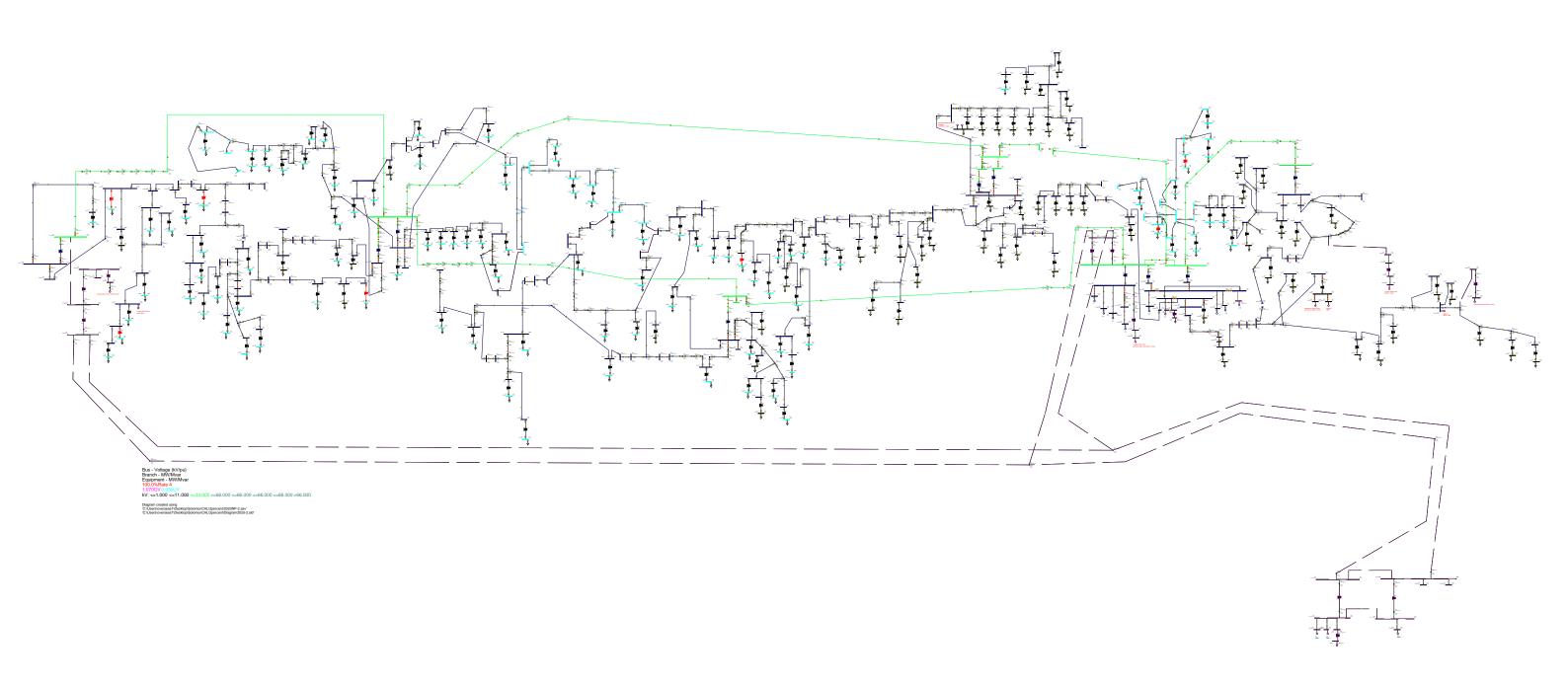
A 5-1 A Power flow diagram in 2020 at daytime peak load



A 5-1 B Power flow diagram in 2020 at daytime peak load (Loading Rate)



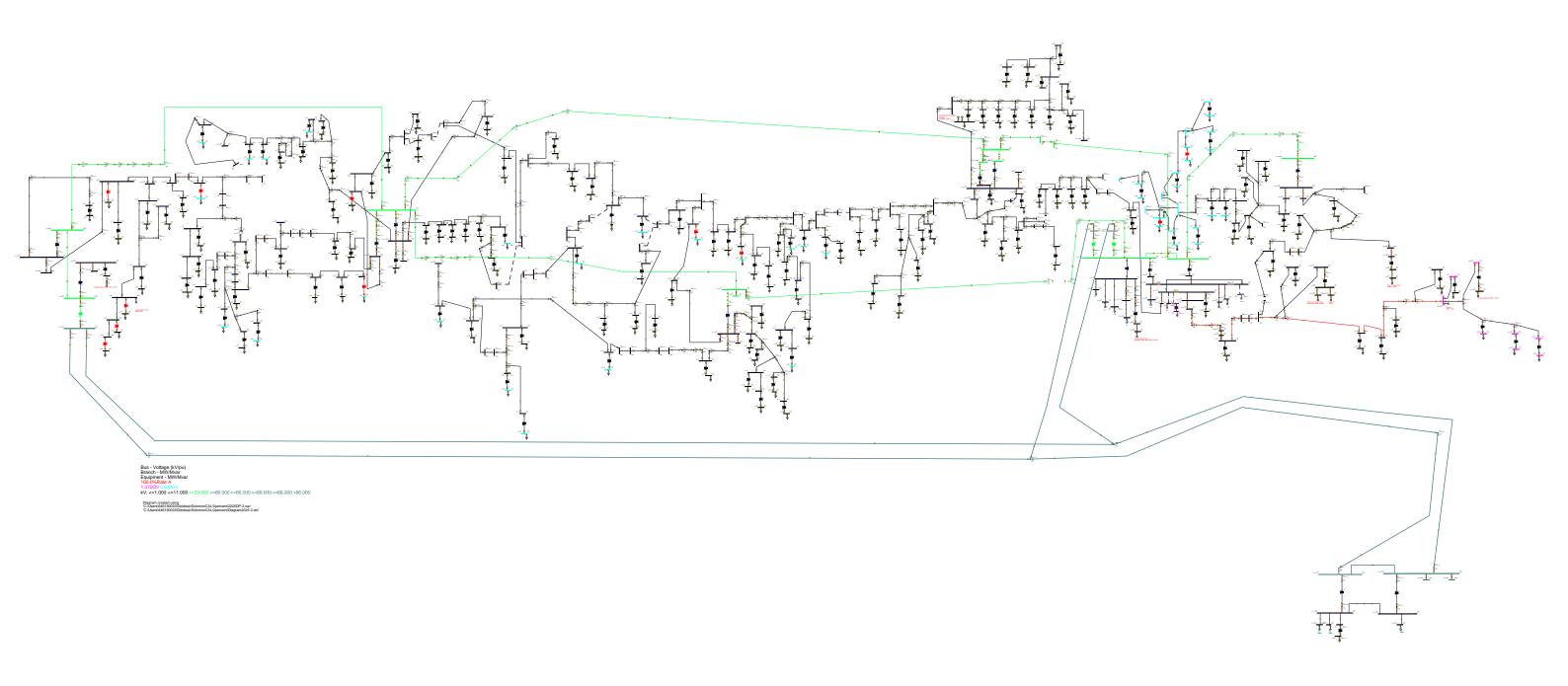
A 5-2 A Power flow diagram in 2020 at nighttime peak load



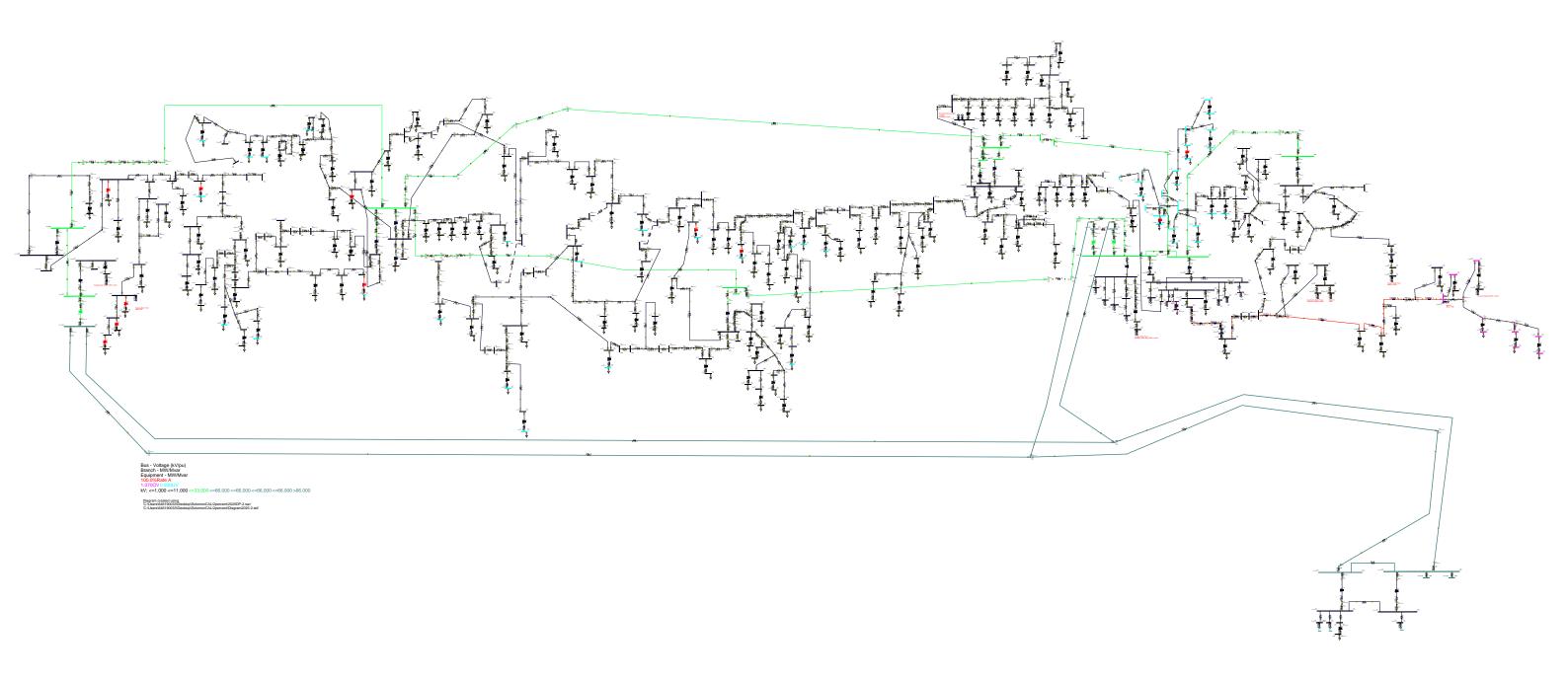
A 5-2 B Power flow diagram in 2020 at nighttime peak load (Loading Rate)



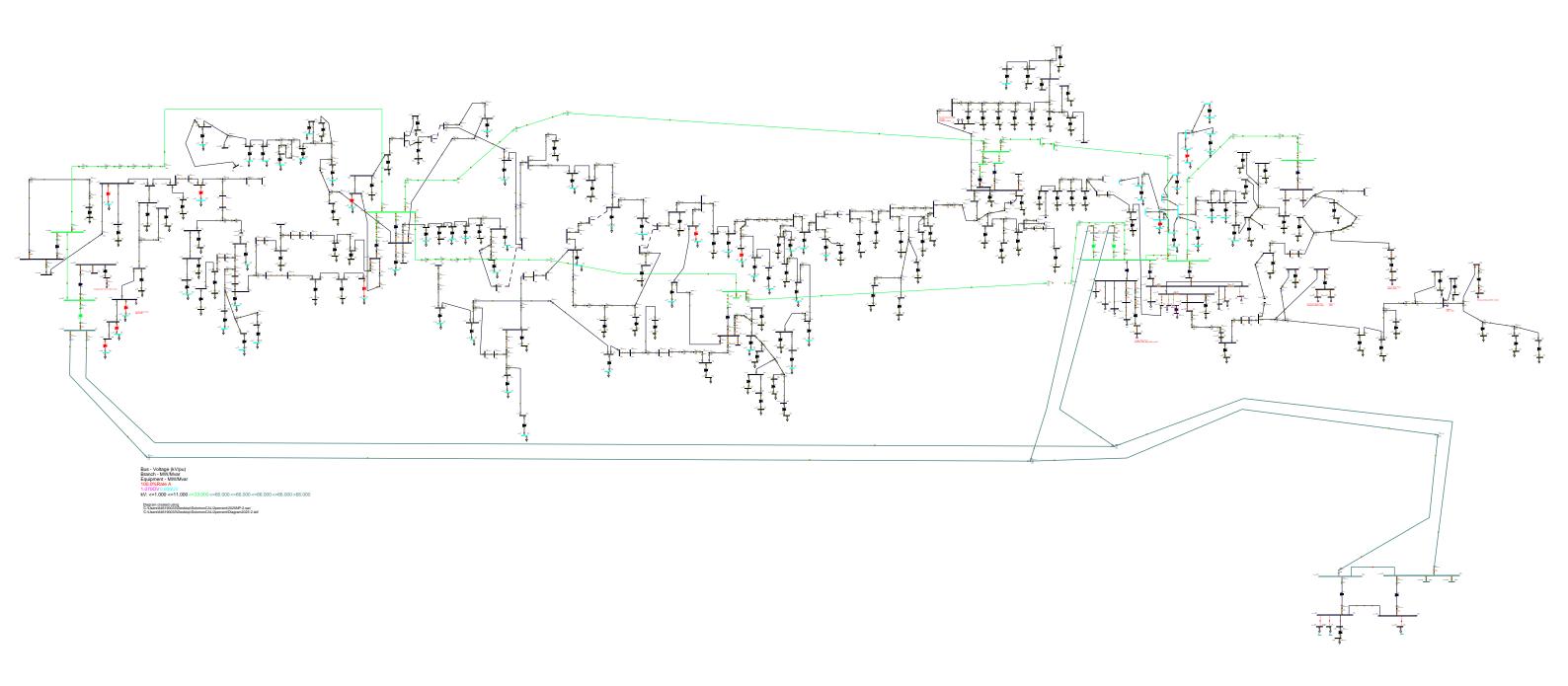
A 5-3 A Power flow diagram in 2025 at daytime peak load



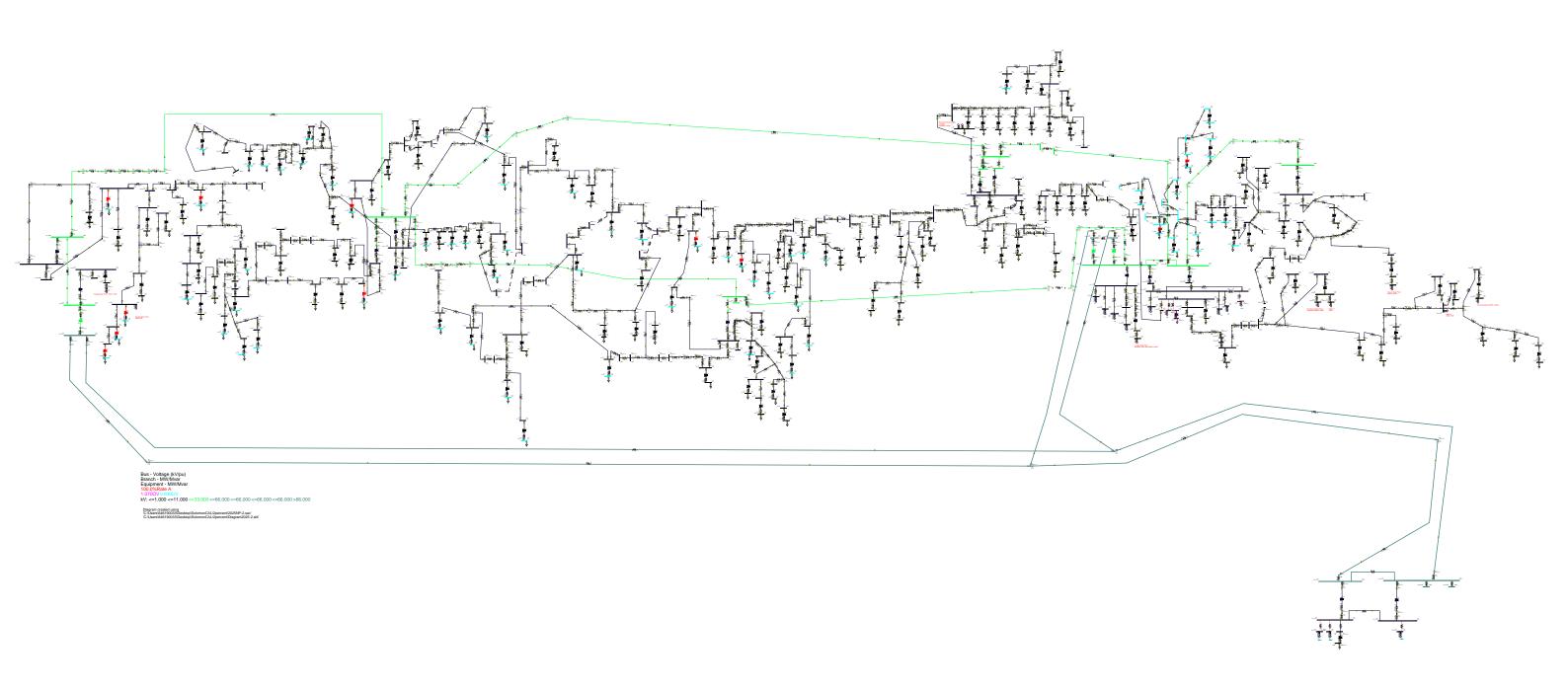
A 5-3 B Power flow diagram in 2025 at daytime peak load (Loading Rate)



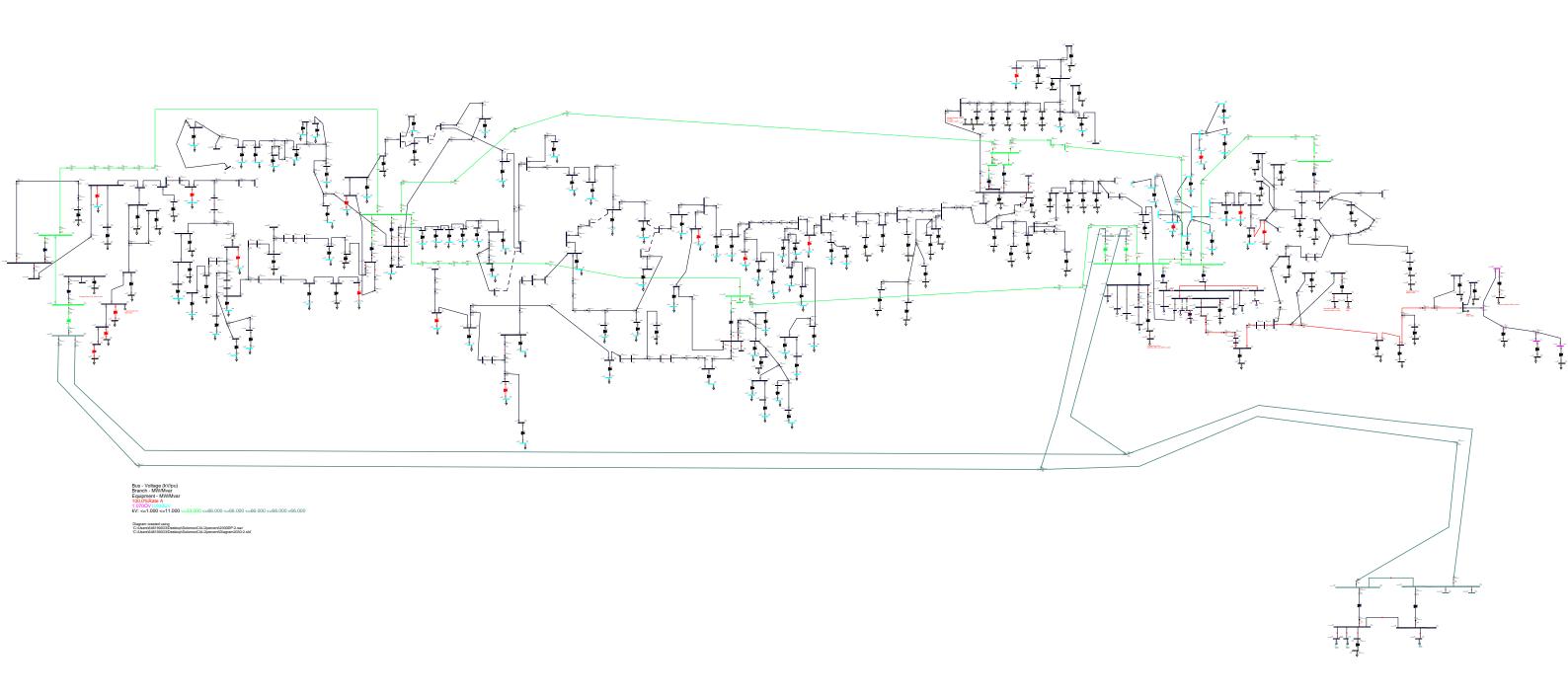
A 5-4 A Power flow diagram in 2025 at nighttime peak load



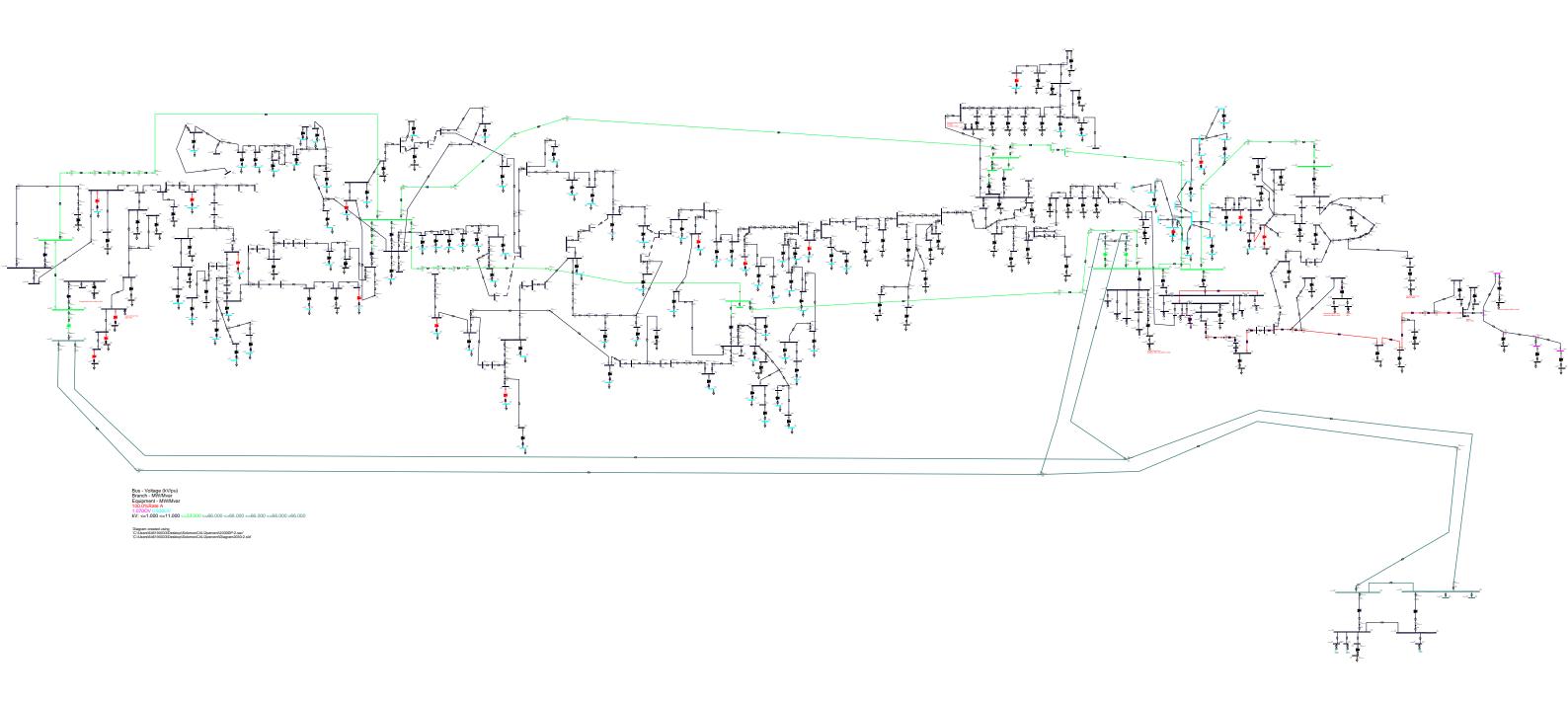
A 5-4 B Power flow diagram in 2025 at nighttime peak load (Loading Rate)



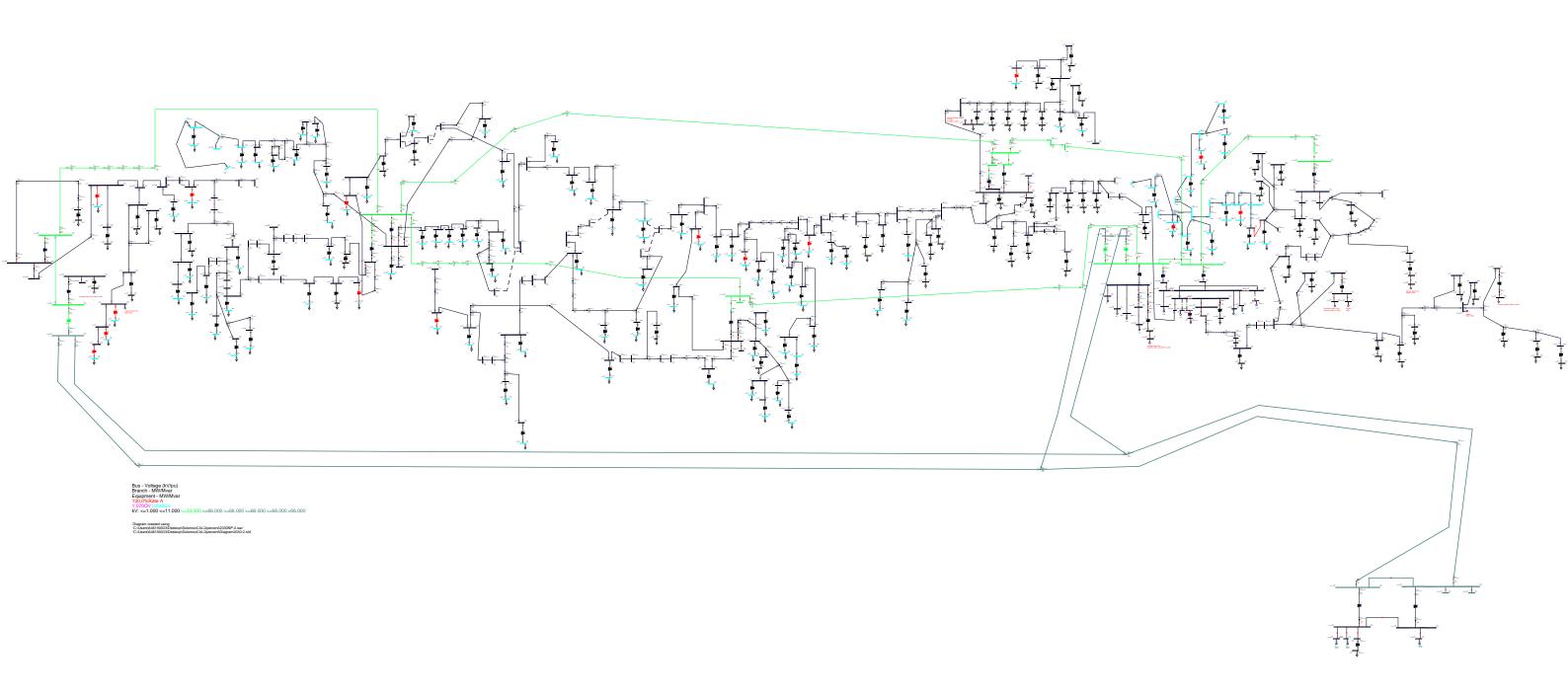
A 5-5 A Power flow diagram in 2030 at daytime peak load



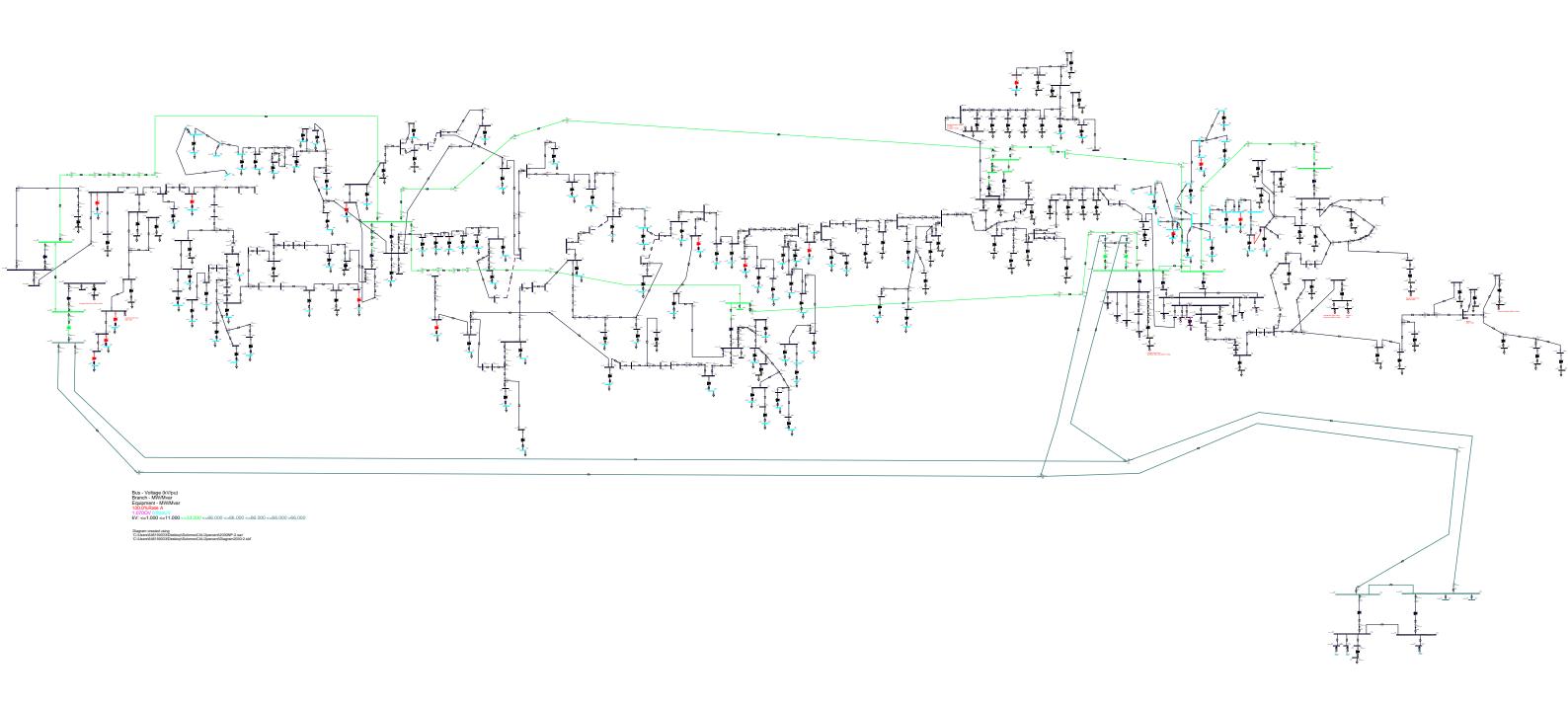
A 5-5 B Power flow diagram in 2030 at daytime peak load (Loading Rate)



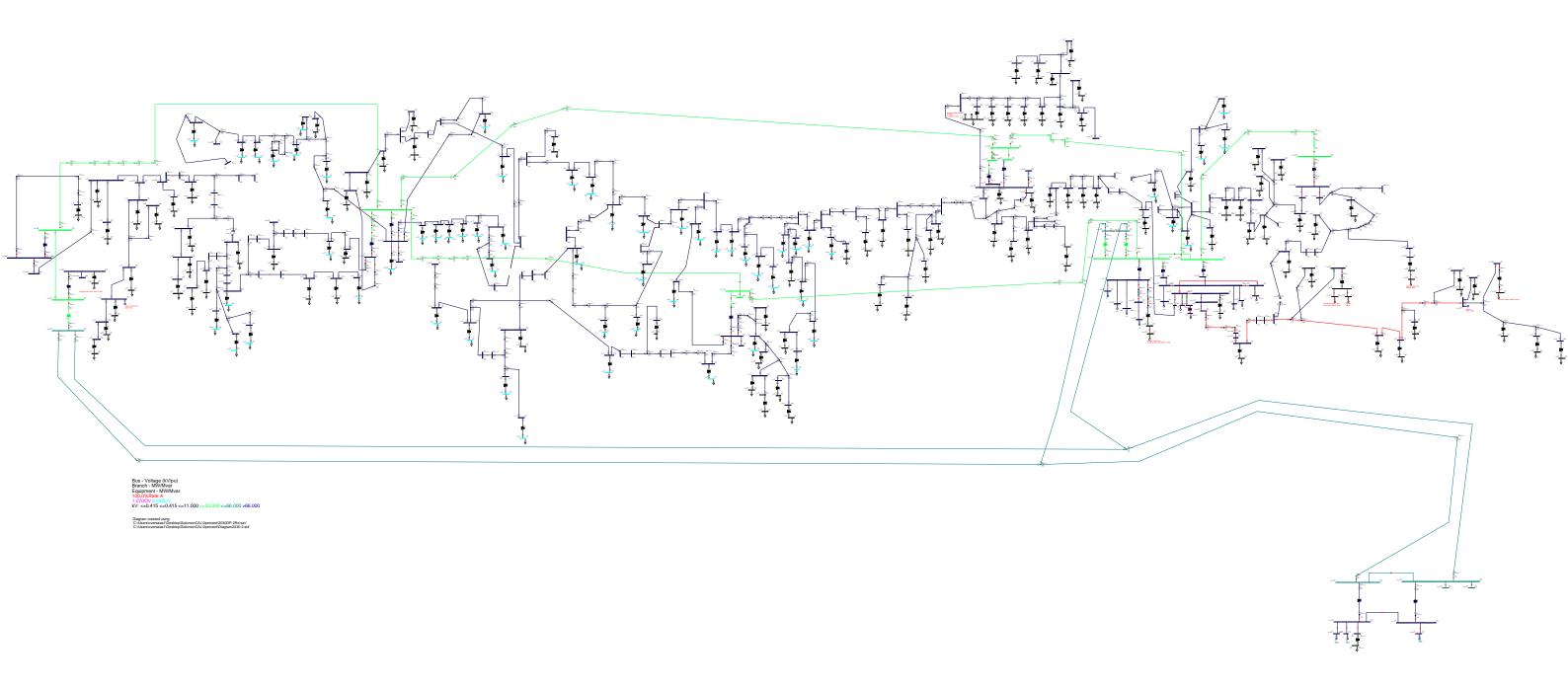
A 5-6 A Power flow diagram in 2030 at nighttime peak load



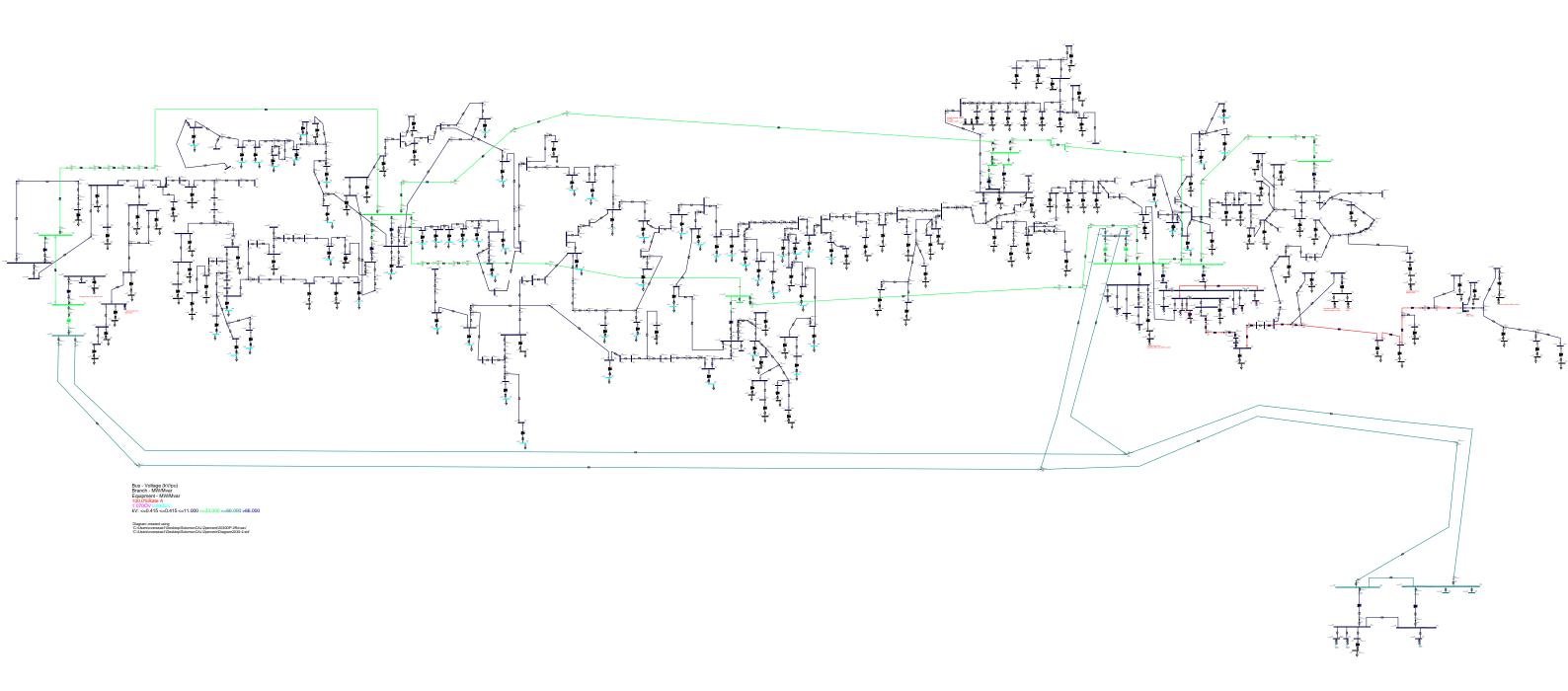
A 5-6 B Power flow diagram in 2030 at nighttime peak load (Loading Rate)



A 5-7 A Power flow diagram in 2030 at daytime peak load after implementation of equipment measures against load increase factors

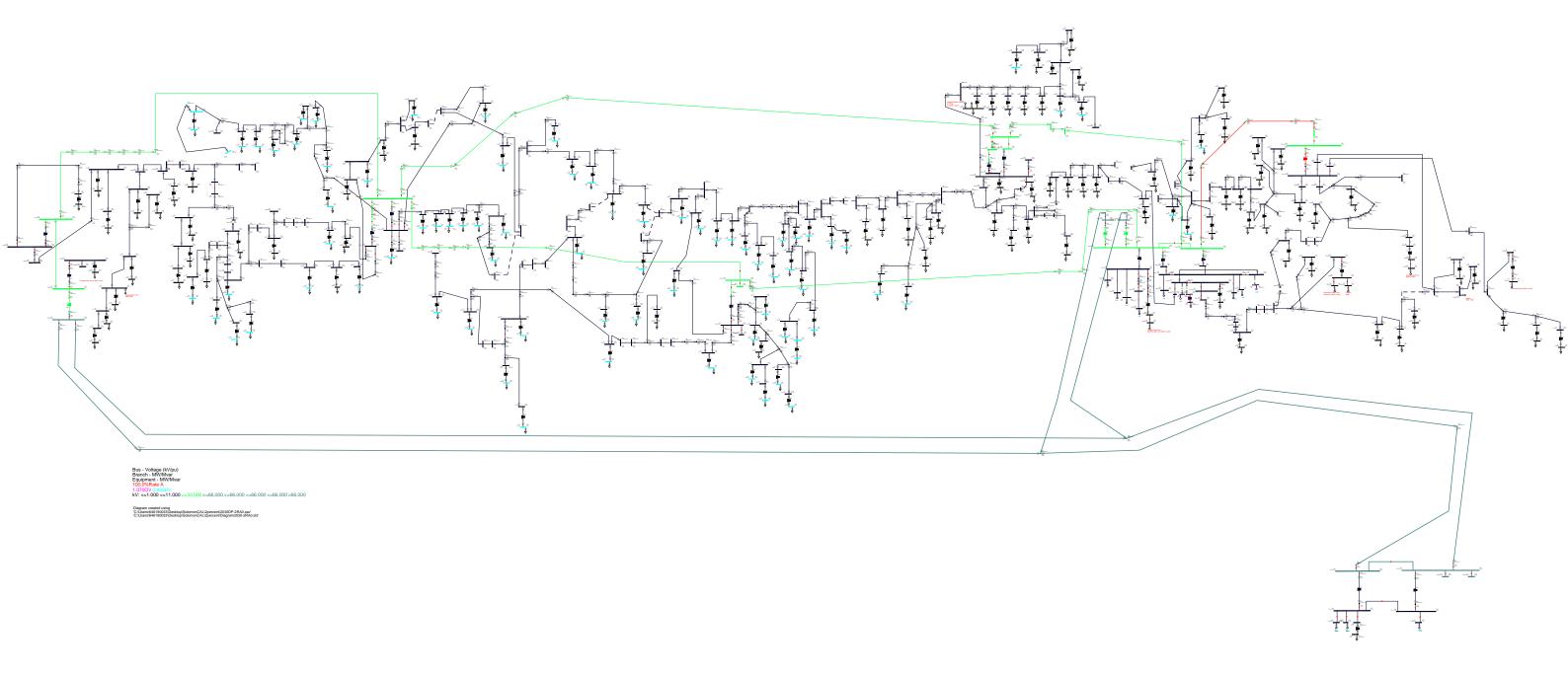


A 5-7 B Power flow diagram in 2030 at daytime peak load after implementation of equipment measures against load increase factors (Loading Rate)

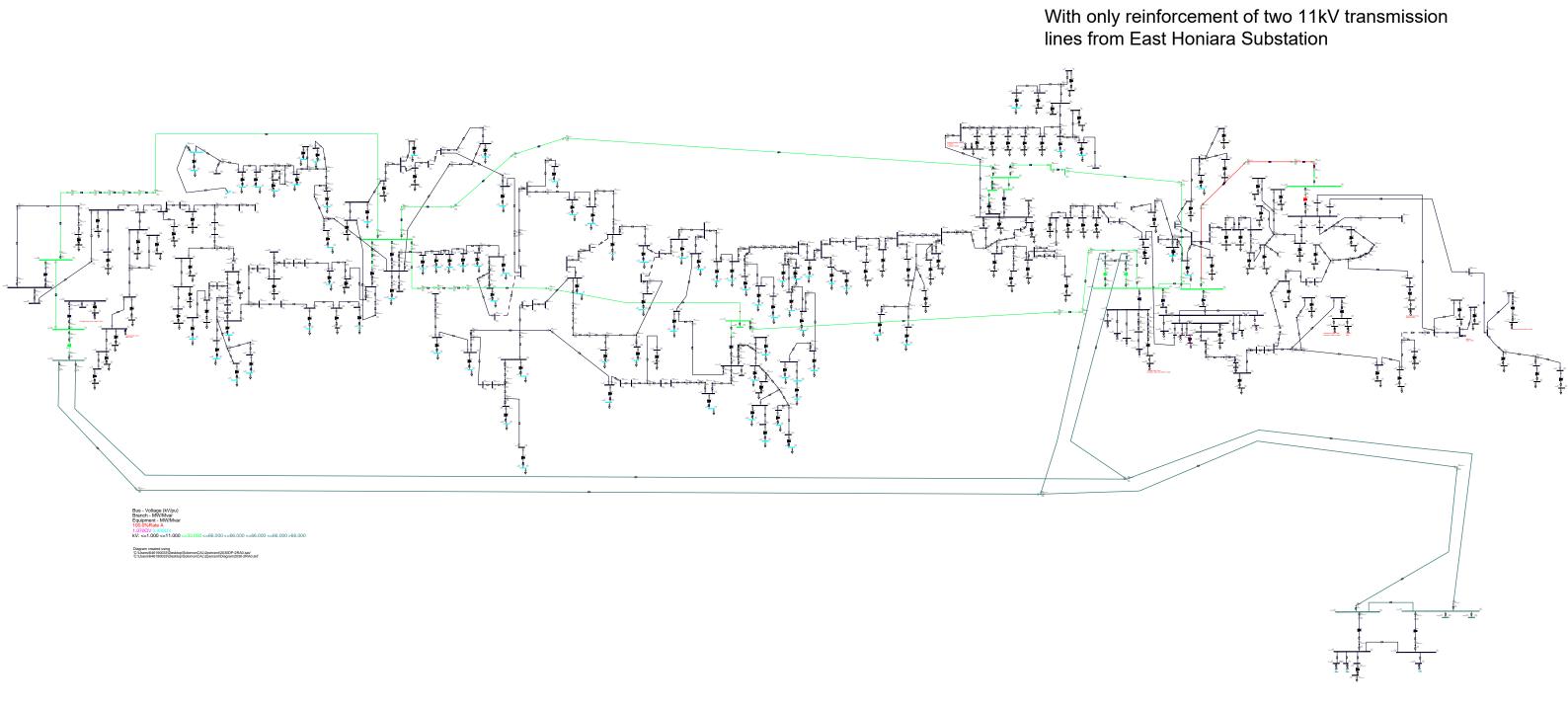


A 5-8 A Power flow diagram in 2030 at daytime peak load Plan A (1)

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

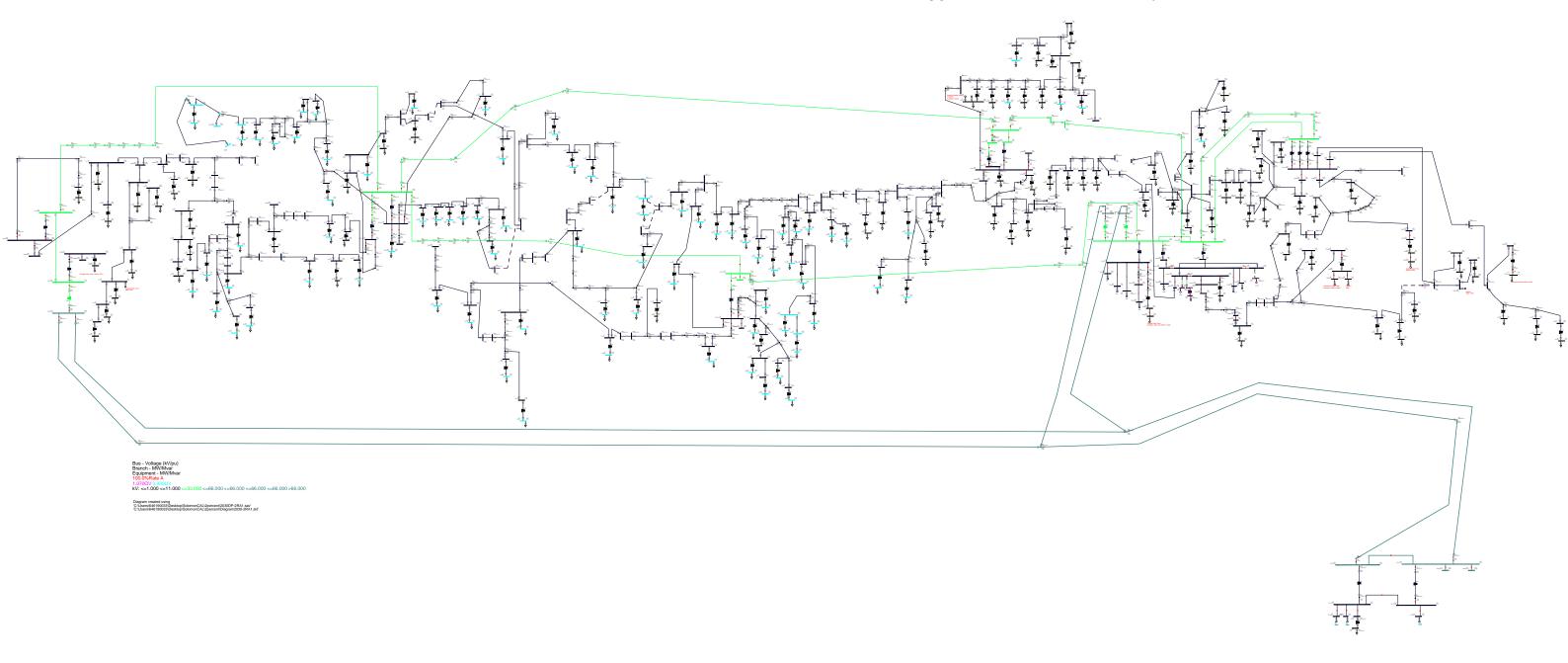


A 5-8 B Power flow diagram in 2030 at daytime peak load Plan A (1) (Loading Rate)



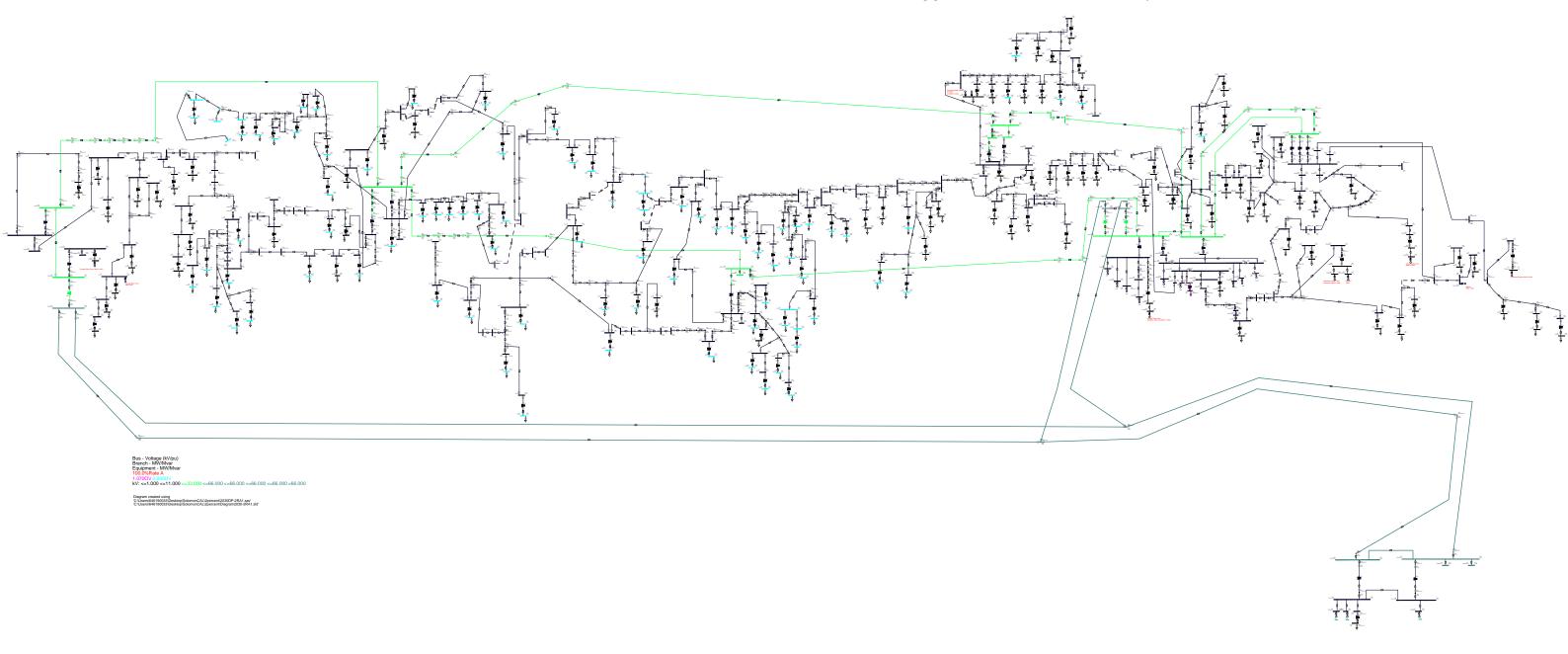
A 5-9 A Power flow diagram in 2030 at daytime peak load Plan A (2)

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



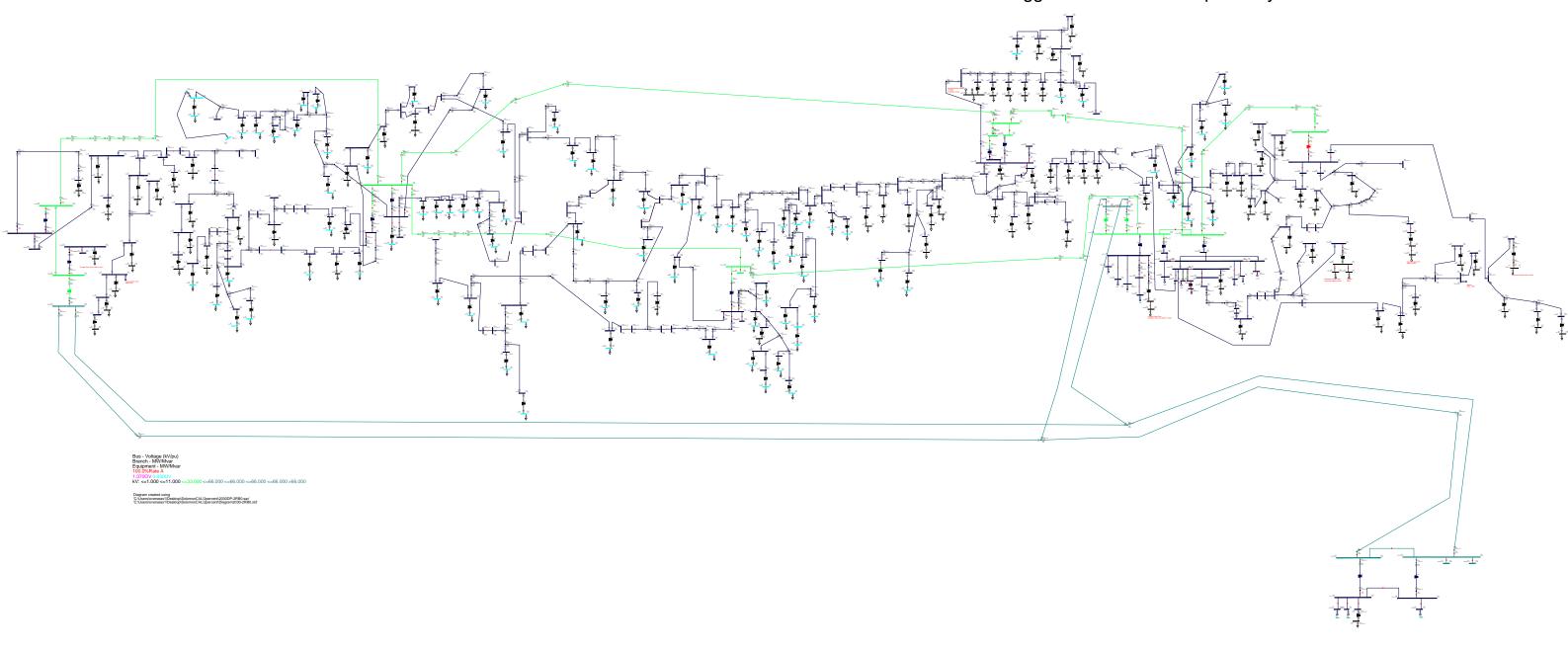
A 5-9 B Power flow diagram in 2030 at daytime peak load Plan A (2) (Loading Rate)

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



A 5-10 B 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

