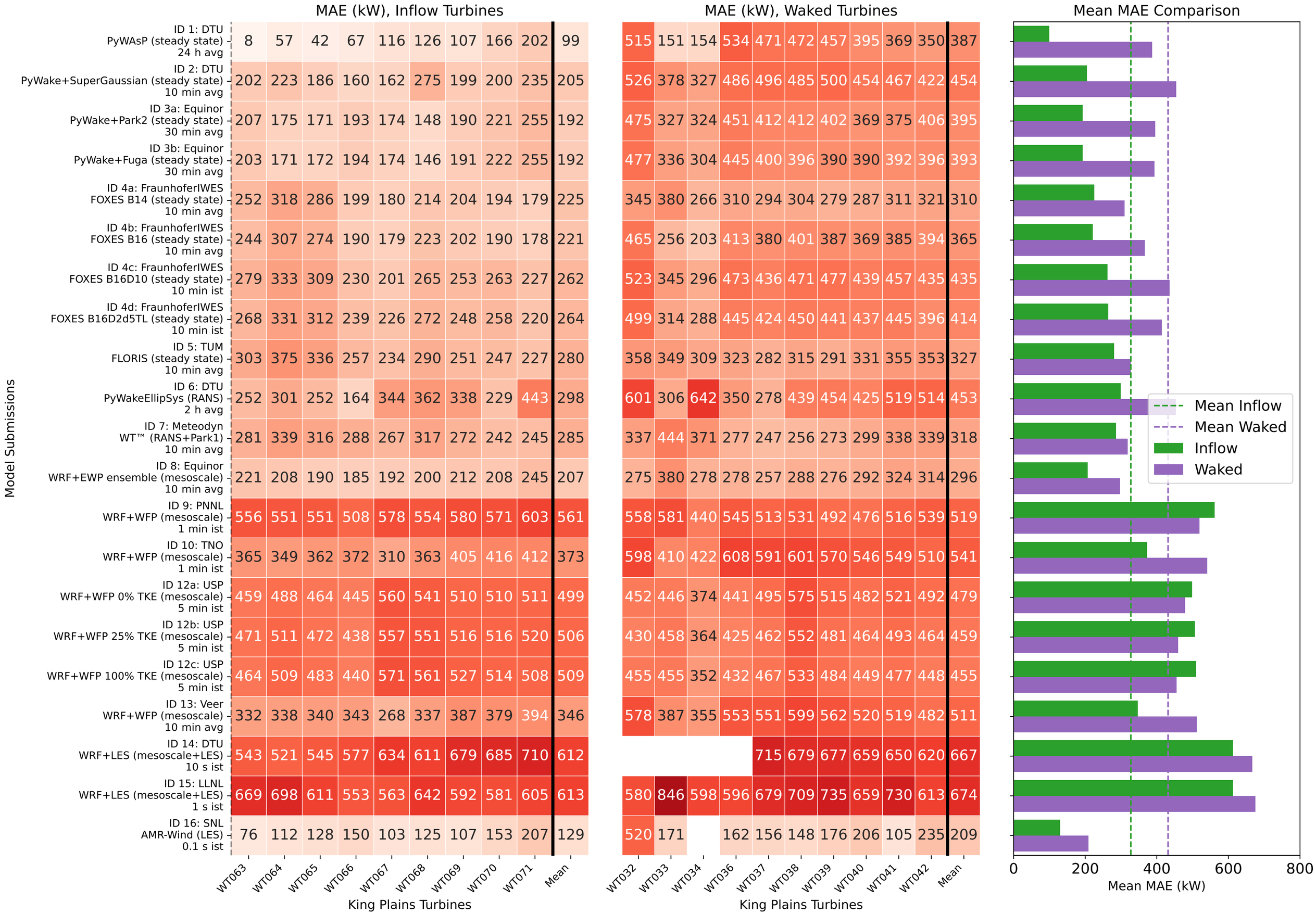
MAE (kW), Inflow Turbines
MAE (kW), Waked Turbines
Mean MAE Comparison
Model Submissions
ID 1: DTU PyWAsP (steady state) 24 h avg
ID 2: DTU PyWake+SuperGaussian (steady state) 10 min avg
ID 3a: Equinor PyWake+Park2 (steady state) 30 min avg
ID 3b: Equinor PyWake+Fuga (steady state) 30 min avg
ID 4a: FraunhoferIWES FOXES B14 (steady state) 10 min avg
ID 4b: FraunhoferIWES FOXES B16 (steady state) 10 min avg
ID 4c: FraunhoferIWES FOXES B16D10 (steady state) 10 min ist
ID 4d: FraunhoferIWES FOXES B16D2d5TL (steady state) 10 min ist
ID 5: TUM FLORIS (steady state) 10 min avg
ID 6: DTU PyWakeEllipSys (RANS) 2 h avg
ID 7: Meteodyn WT™ (RANS+Park1) 10 min avg
ID 8: Equinor WRF+EWP ensemble (mesoscale) 10 min avg
ID 9: PNNL WRF+WFP (mesoscale) 1 min ist
ID 10: TNO WRF+WFP (mesoscale) 1 min ist
ID 12a: USP WRF+WFP 0% TKE (mesoscale) 5 min ist
ID 12b: USP WRF+WFP 25% TKE (mesoscale) 5 min ist
ID 12c: USP WRF+WFP 100% TKE (mesoscale) 5 min ist
ID 13: Veer WRF+WFP (mesoscale) 10 min avg
ID 14: DTU WRF+LES (mesoscale+LES) 10 s ist
ID 15: LLNL WRF+LES (mesoscale+LES) 1 s ist
ID 16: SNL AMR-Wind (LES) 0.1 s ist
WT063 WT064 WT065 WT066 WT067 WT068 WT069 WT070 WT071 Mean
King Plains Turbines
WT032 WT033 WT034 WT036 WT037 WT038 WT039 WT040 WT041 WT042 Mean
King Plains Turbines
Mean Inflow
Mean Waked
Inflow
Waked
0 200 400 600 800
Mean MAE (kW)