Model

Mean forecast

Linear regression

Exponential smoothing

K-nearest neighbour

Simple RNN

**GRU** 

LSTM

Support vector regression

LSTM (Multiple locations)

Neural network autoregressive

Naive

**ARIMA** 

ME

30 min

-22.98

-0.34

-22.09

2.13

0.84

-0.29

15 min

-11.50

-0.18

-11.06

0.63

0.12

-0.42

MAE

30 min

93.80

30.88

93.53

29.85

30.04

28.93

25.78

32.79

25.81

27.85

31.12

18.25

15 min

48.15

15.79

48.08

15.33

15.41

16.20

14.24

16.26

13.87

14.21

13.97

15.14

MPE

30 min

-14.01

-4.16

15 min

-14.12

-3.60

RMSE

30 min

120.40

49.21

120.50

45.39

50.44

42.96

42.55

15 min

61.76

25.48

61.81

23.52

25.33

24.95

21.33

MAPE

30 min

53.14

19.73

15 min

54.79

20.52