

# Smart Grid Energy Dashboard Real-Time Meter Analytics

912.00K

Sum of power\_kw

0.92

Average of power\_factor

336.00K

Count of anomaly\_flag

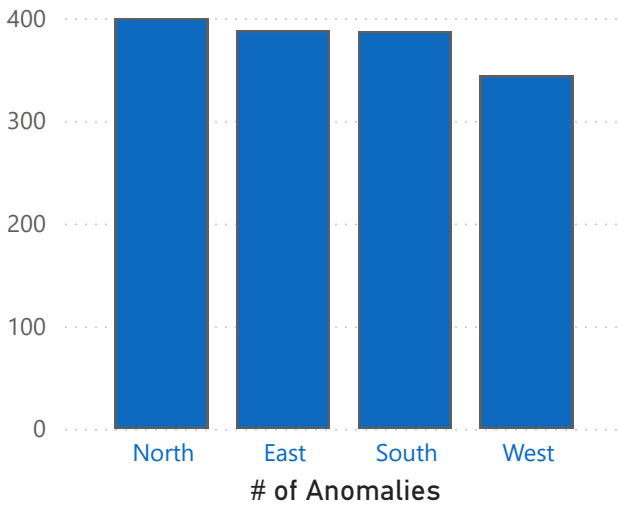
1519

Anomaly Count

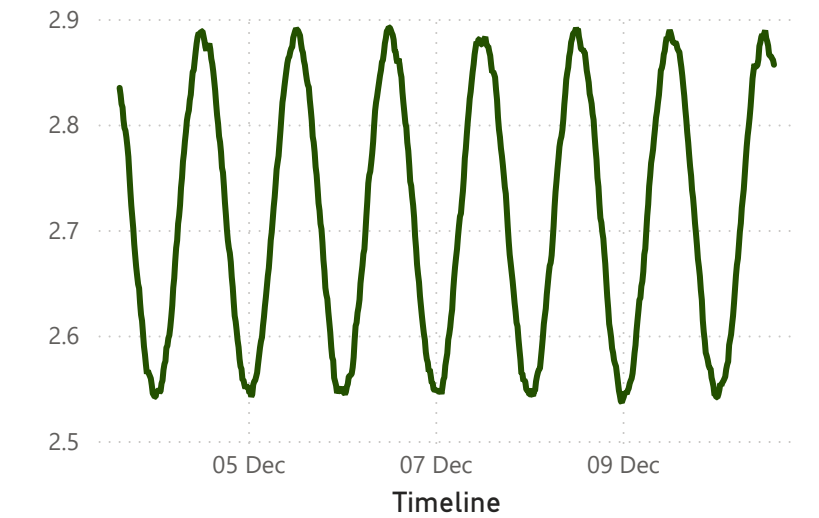
0.45%

Anomaly %

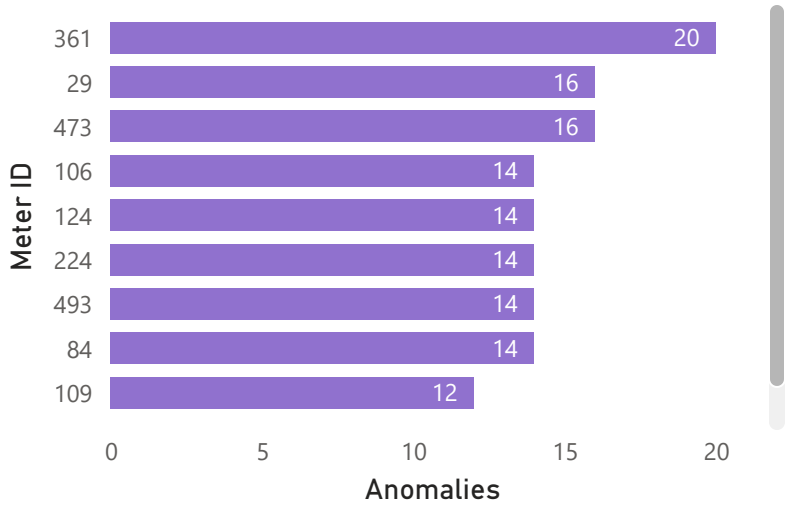
Anomalies by Region



Rolling 1-Hour Load Trend



Top 10 Meters With Highest Anomalies



timestamp	meter_id	region	power_kw	Avg Rolling KW (1h)	kw_pct_change	anomaly_flag	anomaly_reason
03-12-2025 15:49:09	1	North	0.00	0.24	-1.0	True	sudden_drop
04-12-2025 21:49:09	1	North	0.00	0.24	-1.0	True	sudden_drop
08-12-2025 09:34:09	1	North	0.00	0.25	-1.0	True	sudden_drop

region	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
East	2.44	2.45	2.46	2.49	2.53	2.57	2.61	2.65	2.69	2.73	2.76	2.78	2.78	2.77	2.76	2.73	2.69	2.65	2.61	2.56	2.52	2.48	2.45	2.44	2.61
North	2.75	2.76	2.77	2.80	2.84	2.88	2.92	2.97	3.02	3.05	3.08	3.10	3.10	3.09	3.07	3.04	3.01	2.96	2.92	2.88	2.83	2.79	2.77	2.75	2.92
South	2.54	2.54	2.56	2.59	2.63	2.66	2.71	2.76	2.80	2.83	2.86	2.87	2.88	2.87	2.86	2.83	2.80	2.76	2.70	2.66	2.62	2.59	2.56	2.54	2.71
West	2.44	2.45	2.46	2.49	2.52	2.57	2.61	2.65	2.69	2.73	2.75	2.77	2.77	2.76	2.75	2.73	2.69	2.65	2.61	2.56	2.52	2.48	2.46	2.45	2.61
Total	2.55	2.55	2.57	2.60	2.63	2.67	2.72	2.76	2.80	2.84	2.86	2.88	2.89	2.87	2.86	2.83	2.80	2.76	2.71	2.67	2.63	2.59	2.56	2.55	2.71