

Power Factor Penalty Report

Generated: 2026-06-10 11:02:26

Inputs

Billing Demand (kW): 450

Measured Power Factor: 0.82

Contract/Target Power Factor: 0.95

Demand Rate (per kVA): 9.5

Reactive Rate (per kVArh): 0.02

Energy (kWh): 180,000

Calculated

Measured Demand (kVA): 548.781

Allowed Demand (kVA): 473.684

Excess Demand (kVA): 75.096

Demand Penalty: 713.41

Measured Reactive (kVArh): 126,890

Allowed Reactive (kVArh): 59,192

Excess Reactive (kVArh): 67,698

Reactive Penalty: 1,353.96

TOTAL PENALTY: 2,067.37

Suggested Capacitor (kVAr): 172.3