2)	6.6 kV factory Peak period: 7am to 11pm
	Contract Capacity = 1500 kW Pf x = 40.54°
	High Tension - Small
	Contract Capacity Charge \$/kw/mth = 8.72
	Peak Period Charge 4/kwh = 1-03
	Off Peak Period Charge E/KWh = 0.10
	Reactive Power Charge 4/KVarh = 0.63
	Uncontract Capacity Charge \$/kw/men = 13.09
a)	Maximum energy use in 30 min = 800 kWh
	1 kWh = 3600 kJ
	800 KWh = 2880 OCO KJ
	Max Power = 2880 000 KJ / (30 x 60s)
	= 1600 KW
	0-1
b)	Total Energy = 10 000 kWh × 30 = 300 000 kWh
	Contract Capacity charge = \$8.72 × 1500 = \$13 080
	Peak Period Charge = \$0.0103 x 300 000 = \$30 90
	Off Peak Period charge = \$0.001 X 0 = \$0
	Uncontract Capacity charge = \$13.09 x (1600-1500) = \$1309
	Total Reactive Energy = Total Real Fnera x tan [Pf \$] = 256549 KVarh
	Total Reactive Energy = Total Real Energy x tan[Pf \$] = 256549 KVarh Reactive Power Charge = \$0.0063 x [Total Reactive - 0.62 x Total Real] = \$444
	:. Total bill = \$13080 + \$3090 + \$1309 + \$444
	= \$17923
	X