Mr Mattis

WoTan

ACCOUNT BOOK

FEINT ONLY

UNITS BOOK

FROM July 1956

TO

A

PRODUCT

Energy Statistics — July 1956

Total Units Generated at 'A' Station	794,440 KWHR
M.D. (¼ Hour)	5,500 KW
Load Factor	19.42 %
Total Units Sent Out from 'A' Station	766,290 KWHR
M.D (¼ Hour)	5,350 KW
Load Factor	19.25%
Units Used By Auxiliary Plant	28,150 KWHR
6.6 KV Supply Exc 'A' Station	1,237,060 KWHR
M.D (¼ Hour)	2,627 KWHR
Load Factor	63.30%
Total Units Generated at 'B' Station	6,509,000 KWHR
M.D (¼ Hour)	25,600 KW
Load Factor	34.18%
Total Units Sent Out from 'B' Station	5,787,000 KWHR
M.D (¼ Hour)	23,900 KW
Load Factor	32.54%
Units Used By Auxiliary Plant	722,000
22 KV Supply Exc 'B' Station	4,332,000 KWHR
M.D (¼ Hour)	8,580 KW
Load Factor	67.87%
6.6 KV Supply Exc 'B' Station	1,510,000 KWHR
M.D (¼ Hour)	4290 KW
Load Factor	47.3%

Analysis of Total Ballarat Supply

Total Ballarat Supply	7,079,060 KWHR
M.D (Summated)	15,497 KW
M.D (Coincident)	16,100 KW
Traction Supply	91,740 KWHR
M.D. (Coincident with System M.D.)	200 KW
Load Factor on actual M.D of 320 KW.	38.53%
Total Units to Distribution	6,987,320
M.D (¼ Hour)	15,297 KW
Load Factor	61.39 %

JUL 56

Traction		91740
Public Ltg.		55787
Domestic - General	2,353,330	
" Farms	200304	
Commercial	1022617	
Industrial - General	2829766	
" Farms	162268	
" Mining		
Total Sales.	6624072	
Difference		363248

Electricity Trams

Energy Statistics — Feb. 1957

Total units gen. at 'A' stn.	256,390 Kwh
MD (¼ hr.)	4,100 Kw
Load factor.	9.31 %
Total units s/o from 'A' stn.	243,710 Kwh
M.D. (¼ hr.)	3,950 Kw
Load factor.	9.18 %
Units used by aux. plant.	12,680 Kwh
6.6 KV supply ex 'A' stn.	959,940 Kw
M.D (¼ hr)	2690
Load factor.	53.1 %
Total units gen. at 'B' stn	4,785,000 Kwh
M.D. (¼ hr)	18,800 Kw
Load factor	37.88 %
Total units s/o from 'B' stn.	4,275,100 Kwh
M.D. (¼ hr)	17,600 Kw
Load factor	36.15 %
Units used by aux. plant.	509,900 Kwh.
22 KV supply ex 'B' station.	3,456,000 Kwh
M.D (¼ hr)	7,680 Kw
Load factor.	66.98 %
6.6 KV supply ex 'B' station.	1,105,000 Kwh
M.D (¼ hr)	3,475 Kw
Load factor.	47.33

Analysis of Total Ballarat Supply.

Total Ballarat Supply	5,520,940 Kwh
M.D. (summated)	13,895 Kw
M.D. (coincident)	13,200 Kw
Traction Supply	85,180 Kwh
MD (coincident with system M.D)	220 Kw
Load factor (on actual MD of 320 Kw)	39.61 %
Total units for distribution	5,435,760 Kwh
MD (¼ hr)	13,625 Kw.
Load factor	59.37 Kw

FEB 57

Traction	85180
Public Lighting	34903
Domestic - General	1491485
" Farms	109976
Commercial	1145900
Industrial - General	2424458
" Farms	26920
" Mining	240
Total Sales	5,233,882
Difference	201878
Sent out	5520940

S233. Month ..: MARCH 1957....

BALLARAT POWER STATIONS

ENERGY STATISTICS

Total Units Generated 'A' Station	.. ..	—
M.D. (1/4 hour)	.. ..	—
Load factor	.. ..	—
Total Units S/O. 'A' Station	.. ..	—
M.D. (1/4 hour)	.. ..	—
Load factor	.. ..	—
Units used by auxiliary plant.	.. ..	—
6.6kV. supply ex 'A' station	.. ..	1.092.470 KW.H.
M.D. (1/4 hour)	.. ..	2520 KW.
Load factor	.. ..	58.27%.
Total Units Generated 'B' Station.	.. ..	4.986.000 KW.H.
M.D. (1/4 hour)	.. ..	21.800 KW.
Load factor	.. ..	30.74%
Total Units Sent Out 'B' Station	.. ..	4.441.400 KW.H.
M.D. (1/4 hour)	.. ..	20.200 KW.
Load factor.	.. ..	29.56%
Units used by Auxiliary Plant.	.. ..	544.600 KW.H.
22kV. supply ex 'B' Station.	.. ..	3.924.000 KW.H
M.D. (1/4 hour) (Phone message 10/4/57)	.. ..	7740 ~~9.800~~ KW.
Load factor	.. ..	71.35 ~~53.82~~%
6.6kV. supply ex 'B' Station.	.. ..	1250.000 KW.H
M.D. (1/4 hour)	.. ..	3650 KW.
Load factor	.. ..	46.03%

Analysis of Total Ballarat Supply.

Total Ballarat supply ..	.. ..	
M.D. (summated) ..	.. ..	13910 6.266.470 KW.H.
M.D. (coincident) ..	.. ..	~~15970 KW.~~
Traction supply ..	.. ..	13.200 KW.
M.D. (coincident with system M.D.)	.. ..	97260 KW.H.
Load factor on actual M.D. of 340 kW.	.. ..	240 KW.
		38.45%
Total units to distribution	.. ..	
M.D. (1/4 hour) ..	.. ..	6.169.210 KW.H.
Load factor. ..	.. ..	13,67% ~~15220~~ KW.
		60.66 ~~52.72~~%.

RK.
P.S.S.

J.R.S.

MAR 57

Traction	97260
Public Lighting	44498
Domestic - General	133927
" Farms	24796
Commercial	84255
Industrial - General	255504
" Farms	20032
" Mining	890
Total Sales	522532
Difference	940628
Sent out	6266470

S233. Month ..June 1957.....

BALLARAT POWER STATIONS

ENERGY STATISTICS

Total Units Generated 'A' Station	79360	kwH.
M.D. (1/4 hour)	1500	KW
Load factor	7·35	%
Total Units S/O. 'A' Station	68280	KWH
M.D. (1/4 hour)	1450	KW
Load factor	6·54	%
Units used by auxiliary plant.	11080	KWH
6.6kV. supply ex 'A' station	1222470	KWH.
M.D. (1/4 hour)	2525	KW
Load factor	67·24	%
Total Units Generated 'B' Station.	3239000	KWH
M.D. (1/4 hour)	21500	KW
Load factor	20·93	%
Total Units Sent Out 'B' Station	2817300	KWH
M.D. (1/4 hour)	19900	KW
Load factor.	19·68	%
Units used by Auxiliary Plant.	471700	KWH.
22kV. supply ex 'B' Station.	3924000	KWH
M.D. (1/4 hour)	8735	KW
Load factor	62·4	%
6.6kV. supply ex 'B' Station.	1355000	KWH
M.D. (1/4 hour)	4315	KW
Load factor	4362	%

Analysis of Total Ballarat Supply.

Total Ballarat supply	6501.470	KW.H.
M.D. (summated)	15575	KW
M.D. (coincident)	14800	KW
Traction supply	88.360	KW.H.
M.D. (coincident with system M.D.)	220	KW
Load factor on actual M.D. of 340 kW.	36·0	%
Total units to distribution	6,413,110	KW.H.
M.D. (1/4 hour)	15355	KW.
Load factor.	58·01	%

JUN 57

Traction	88360
Public Lighting	59202
Domestic - General	1467370
" Farm	247872
Commercial	103629
Industrial - General	2356708
" Farm	213192
" Mining	170

Total Sales. 5376,143

Difference 1036967

Sent out 6501470

Month ....FEBRUARY, 1958.

BALLARAT POWER STATIONS

ENERGY STATISTICS

Total Units Generated 'A' Station	.. ..	-
M.D. (¼ hour)	.. .. ..	-
Load factor	.. .. ..	-
Total Units S/O. 'A' Station	.. ..	-
M.D. (¼ hour)	.. .. ..	-
Load factor	.. .. ..	-
Units used by auxiliary plant	.. ..	-2,040kWh.
6.6kV. supply ex 'A' station	.. ..	1,025,860kWh.
M.D. (¼ hour)	.. .. ..	2,970kW.
Load factor	.. .. ..	51.39%
Total Units Generated 'B' Station	.. ..	4,757,000kWh.
M.D. (¼ hour)	.. .. ..	25,600kW.
Load factor	.. .. ..	27.65%
Total Units Sent Out 'B' Station	.. ..	4,218,200kWh.
M.D. (¼ hour)	.. .. ..	24,000kW.
Load factor	.. .. ..	26.15%
Units used by Auxiliary Plant	.. ..	538,800kWh.
22kV. supply ex 'B' Station	.. ..	3,720,000kW.
M.D. (¼ hour)	.. .. ..	8,880kW.
Load factor	.. .. ..	62.34%
6.6kV. supply ex 'B' Station	.. ..	1,140,000kWh.
M.D. (¼ hour)	.. .. ..	3,800kW.
Load factor	.. .. ..	44.64%

Analysis of Total Ballarat Supply

Total Ballarat supply	.. ..	5,885,860kWh.
M.D. (summated)	.. .. ..	15,650kW.
M.D. (coincident)	.. .. ..	14,130kW.
Traction supply	.. ..	87,260kWh.
M.D. (coincident with system M.D.)	.. ..	220kW.
Load factor on actual M.D. of 380kW.	.. ..	34.18%
Total units to distribution	.. ..	5,798,600kWh.
M.D. (¼ hour)	.. .. ..	15,430kW.
Load factor	.. .. ..	55.92%

FEB 58

Traction 87260

Public Lt 37513

Domestic - General 1617197

Farms 132090

Commercial 1192876

Industrial - General 254243

Farms 71194

Mining -

Total Sales 5593295

Difference 205305

Sent out 5885860

Month August, 1958.

BALLARAT POWER STATIONS

ENERGY STATISTICS

Total Units Generated "A" Station		143.330 kWH
M.D. (1/4hour)		4.500 kW
Load Factor		4.28%
Total Units S/O. "A" Station		132.130 kWH
M.D. (1/4 hour)		4.350 kW
Load Factor		4.08%
Units used by auxiliary plant		11.200kWH
6.6kV. supply ex "A" Station		1450,510 kWH
M.D. (1/4 hour)		3.020 kW
Load Factor		64.55%
Total Units Generated 'B' Station		5.625.000 kWH
M.D. (1/4 hour)		26,000 kW
Load Factor		29.08%
Total Units Sent Out 'B' Station		5,019,400 kWH
M.D. (1/4 hour)		24,300 kW
Load Factor		27.76%
Units used by Auxiliary Plant		605,600 kWH
22kV. supply ex 'B' Station		4,992,000 kWH
M.D. (1/4 hour)		10,510 kW
Load Factor		63.84%
6.6kV supply ex 'B' Station		1,545,000 kWH
M.D. (1/4/hour)		4,680 kW
Load Factor		44.38%

Analysis of Total Ballarat Supply

Total Ballarat supply		7,987,510 kWH
M.D. (summated)		18,210 kW
M.D. (coincident)		17,840 kW
Traction supply		97,110 kWH
M.D. (coincident with system M.D.)		200 kW
Load Factor on actual M.D. of 360 kW		36,26%
Total units to distribution		7,890,400 kWH
M.D. (1/4 hour)		18,010 kW
Load Factor		58.89%
66 kV Feeder Horsham		612,300 kWH
MD. (1/4 hour)		1,905 kW
Load Factor		43.2%

AUG 58

Traction	97110
Public Lighting	61089
Domestic - General	2052086
. Farms	171162
Commercial	1879267
Industrial - General	3031532
. Mining	
. Farms	109180
Total Sales	7304316
Difference	586084
Sent out.	7987510

S233. Month APRIL, 1959.

BALLARAT POWER STATIONS

ENERGY STATISTICS

Total Units Generated 'A' Station	.. ..	-
M.D. (1/4 hour)	.. ..	-
Load factor	.. ..	-
Total Units S/O. 'A' Station	.. ..	-
M.D. (1/4 hour)	.. ..	-
Load factor	.. ..	-
Units used by auxiliary plant.	.. ..	1,680 kWh.
6.6kV. supply ex 'A' station	.. ..	1,283,000 kWh.
M.D. (1/4 hour)	.. ..	2,910 kW.
Load factor	.. ..	61.2%
Total Units Generated 'B' Station.	.. ..	3,564,000 kWh.
M.D. (1/4 hour)	.. ..	19,000 kW.
Load factor	.. ..	26.05%
Total Units Sent Out 'B' Station	.. ..	3,185,100 kW.
M.D. (1/4 hour)	.. ..	17,700 kW.
Load factor.	.. ..	25.0%
Units used by Auxiliary Plant.	.. ..	378,900 kWh.
22kV. supply ex 'B' Station.	.. ..	4,368,000 kWh.
M.D. (1/4 hour)	.. ..	9,240 kW.
Load factor	.. ..	65.7%
6.6kV. supply ex 'B' Station.	.. ..	1,405,000 kWh.
M.D. (1/4 hour)	.. ..	4,200 kW.
Load factor	.. ..	46.4%

Analysis of Total Ballarat Supply.

Total Ballarat supply ..	.. ..	7,056,000 kWh.
M.D. (summated) ..	.. ..	16,350 kW.
M.D. (coincident) ..	.. ..	14,840 kW.
Traction supply ..	.. ..	97,790 kWh.
M.D. (coincident with system M.D.)	.. ..	200 kW.
Load factor on actual M.D. of ~~300~~ 360 kW.	.. ..	37.2%
Total units to distribution	.. ..	6,958,210 kWh.
M.D. (1/4 hour) ..	.. ..	16,150 kW.
Load factor. ..	.. ..	59.8%
Horsham 66kV. Feeder ..	.. ..	856,200 kWh.
MD. (1/4 hour) ..	.. ..	1,950 kW.
Load Factor. ..	.. ..	60.9%

APR 59

Traction 97790

Public Lg. 563 05
Domestic & 2297120
" Farms 223100
Commercial 950027
Industrial-& 2920062
" Mining —
" Farms 181076

Total Sales 6627690

Difference 330520

Sent out. 7,056,000

S.C.A.
City Office.

S233. Month MAY, 1960.

BALLARAT POWER STATIONS

ENERGY STATISTICS

Total Units Generated 'A' Station		
M.D. (1/4 hour)		
Load factor		
Total Units S/O. 'A' Station		
M.D. (1/4 hour)		
Load factor		
Units used by auxiliary plant.		5.33 mWh.
6.6kV. supply ex 'A' station		1,865 mWh.
M.D. (1/4 hour)		3.6 mW.
Load factor		69.6 %
Total Units Generated 'B' Station.		6,899 mWh.
M.D. (1/4 hour)		25.5 mW.
Load factor		36.4 %
Total Units Sent Out 'B' Station		6,210 mWh.
M.D. (1/4 hour)		23.8 mW.
Load factor.		35.1 %
Units used by Auxiliary Plant.		689 mWh.
22kV. supply ex 'B' Station.		5,880 mWh.
M.D. (1/4 hour)		11.16 mW.
Load factor		70.7 %
6.6kV. supply ex 'B' Station.		1,705 mWh.
M.D. (1/4 hour)		6.0 mW.
Load factor		38.2 %

Analysis of Total Ballarat Supply.

Total Ballarat supply	9,450 mWh.
M.D. (summated)	20.76 mW.
M.D. (coincident)	19.4 mW.
Traction supply	101.28 mWh.
M.D. (coincident with system M.D.)	.22 mW.
Load factor on actual M.D. of 380 kW.	37.8 %
	9,348.72 mWh.
	20.54 mW.
	61.2 %
	1,433 mWh.
	3.51 mW.
	54.9 %

Tonks

6.6 Kv ex A Station 1.865 Mwh.
22. Kv ex B " 5.880 "
6.6 Kv ex B " 1.705 "
9.450 Mwh.

1285 Traction Supply 101.28 Mwh
To Dist. System 9.348.72 Mwh

May, 1960

Traction 101280

Public Lighting 69417
Domestic General 1950628
" Farms 254712
Commercial 1688775
Industrial General 3479474
" Mining —
" Farms 97234

Total Sales 7540300

Difference 1808420

Send and 9450000

SUPERVISOR: CONSUMERS' ACCOUNTS

S233. Month ..... SEPTEMBER, 1961 .....

BALLARAT POWER STATIONS

ENERGY STATISTICS

Total Units Generated 'A' Station		
M.D. (1/4 hour)		
Load factor		
Total Units S/O. 'A' Station		
M.D. (1/4 hour)		
Load factor		
Units used by auxiliary plant.		1.65 mWh.
6.6kV. supply ex 'A' station		
M.D. (1/4 hour)		
Load factor		
Total Units Generated 'B' Station.		6,752 mWh.
M.D. (1/4 hour)		21.0 mW.
Load factor		44.7 %
Total Units Sent Out 'B' Station		6,066 mWh.
M.D. (1/4 hour)		19.1 mW.
Load factor.		44.1 %
Units used by Auxiliary Plant.		686 mWh.
22kV. supply ex 'B' Station.		5,424 mWh.
M.D. (1/4 hour)		11.28 mW.
Load factor		66.7 %
6.6kV. supply ex 'B' Station.		3,000 mWh.
M.D. (1/4 hour)		7.86 mW.
Load factor		53.0 %

Analysis of Total Ballarat Supply.

Total Ballarat supply		8,424 mWh.
M.D. (summated)		19.14 mW.
M.D. (coincident)		18.3 mW.
Traction supply		95.9 mWh.
M.D. (coincident with system M.D.)		.22 mW.
Load factor on actual M.D. of ~~380 kW.~~ .34 mW.		39.2 %
Total units to distribution		8,328.1 mWh.
M.D. (1/4 hour)		18.92 mW.
Load factor.		61.1 %
66kV. Feeder		1,640 mWh.
M.D. (1/4 Hour)		3.9 mW.
Load Factor		58.4 %

ACCOUNTANT

S.C.A.

B.25

Month DECEMBER 1962

BALLARAT 'B' POWER STATION

ENERGY STATISTICS

ø Units used by auxiliary plant 'A' Stn.	.. ..	
Total Units Generated 'B' Station	.. ..	71 mWh.
M.D. (1/4 Hour)	.. ..	3.9 mW
Load Factor	.. ..	2.45 %
Total Units Sent Out 'B' Station	.. ..	31 mWh.
M.D. (1/4 Hour)	.. ..	3.15 mW.
Load Factor	.. ..	1.32 %
Units used by Auxiliary Plant	.. ..	40 mWh.
22kV Supply Ex Terminal Station		5969 mWh.
22kV. supply ex 'B' Station	.. ..	
M.D. (1/4 Hour)	.. ..	12.3 mW.
Load Factor	.. ..	65.6 %
6.6kV. supply ex 'B' Station	.. ..	2820 mWh.
M.D. (1/4 Hour)	.. ..	7.88 mW.
Load Factor	.. ..	48.1 %
66kV. Horsham Feeder	.. ..	2262 mWh.
M.D. (1/4 Hour)	.. ..	5.45 mW.
Load Factor	.. ..	55.8 %

Analysis of Total Ballarat Supply

Total Ballarat Supply	.. ..	8789 mWh.
* M.D. 1/4 Hour (Coincident)	.. ..	
Sum of Supply M.D.'s.	.. ..	20.18
ø Traction Supply	.. ..	97.0 mWh.
M.D. (coincident with Ballarat M.D.)	.. ..	.22 mW
Load Factor on actual M.D. of mW.	.. ..	
ø Total Units to Distribution	.. ..	8692.0 mWh
M.D. (1/4 Hour)	.. ..	19.96 mW
Load Factor	.. ..	58.53%

* Metering now inadequate to obtain this figure.

ø To be supplied by E.S.D.