

In report "Work Stream 6" by EMCa the cost of meter installation has been understated for SA by a significant amount. This was due to a 'hold up' in the flow of data back to Canberra. Instead estimates from a Victorian meter installation contractor was used by the consultants. The actual costs were revised and forwarded to relevant parties on 17/3/08 (as attached).

This figure should be used to revise the roll-out costs for SA and in "Stream 2" the ongoing costs as the same incremental costs would apply at the 10year and 19year replacement intervals in the 20 year business case.

ETSA wishes to state that although a member of ENA we do not fully support their submission and provide a copy of our comments to ENA to that effect.

To Bill Layer ENA 27/3/08

"Bill, I know that we are out numbered but ETSA Utilities will continue to push the following line; support for a DB led roll-out is only to be given where net positive benefits have been demonstrated in the BCA - and to push for the inclusion of DLC as an option, again, where the BCA indicates this is the case. We expect that DB's in ACT and Tas would support this, given that the no net positive benefits from smart metering infrastructure (SMI) was found for those jurisdictions in the BCA.

Scenario 3 (ie non smart meter direct load control) although much cheaper and with legislative backing delivers significant benefits has been overlooked in the ENA statement. A comment along the lines of either a merging over time of Scenarios 1 & 3 or trials to demonstrate the best application by jurisdiction and geographic area of Scenarios 1 & 3 would be greatly appreciated by all in South Australia. Scenario 3 may not provide all the customer benefits that SMI does, but it would level peak load thereby providing network benefits and potentially reduce GHG emissions, which is becoming the key focus of the current Commonwealth Govt, plus it would go a long way to keeping the cost of power to consumers reasonable.

We are keen to undertake SMI trials as well as continue to assess our DLC trials to determine what works best for SA and in that analysis we are not only considering DB benefits but societal and environmental benefits.

Regards Peter Dean, ETSA Utilities"

ETSA Utilities is currently undertaking DLC trials which began 18 months ago and have engaged KEMA International in London to independently undertake a business case analysis for the SA jurisdiction on DLC and SMI. Their comprehensive report should be finalised by July 2008, which will include information from European SMI implementations. The SA Government requested that we undertake and approved our expenditure for the DLC trials in the current re-set period.

We have worked closely with the consultants engaged in the commonwealth review and appreciated the opportunity to provide input on behalf of the SA jurisdiction DB. The experience has been useful and has gone a long way to highlighting the issues which need addressing, collection of actual costs, understanding of benefits and guiding future metering strategy for our business.

Regards

Dr Peter Dean

Labour Rate	pNew & Re				
80	Lower Bound				
Factor	1 Ph Electro-mech	1Ph Electronic	1Ph Combo - 2 meters & load control	Prepayment 1Ph	3 Phase Direct Connect
Meter Install time (min)	30	30	50	40	60
Travel Time (min)	20	20	20	20	20
Revisit lost time (min)	20	20	20	20	20
Proportion of revisits (% of all sites)	12%	12%	12%	12%	12%
Revisits time component (min)	2.4	2.4	2.4	2.4	2.4
Total Time (min)	52.4	52.4	72.4	62.4	82.4
Out of hours premium	50%	50%	50%	50%	50%
% meter changes out of hours	6%	6%	6%	6%	40%
Effective Unit Labour Rate (\$/hr)	82.4	82.4	82.4	82.4	96
Labour Cost (\$ per meter)	72	72	99	86	132
Installation materials (\$ per meter)	1	1	5	1	1
% requiring additional neutral links			20%		
Sub Total - Costs (\$)	73	73	104	87	133
Customer Service Cost (\$ per meter)	10	10	10	10	10
% difficult installations	8%	8%	8%	8%	8%
Cost mult. for difficult installations	2	2	2	2	2
Cost of difficult installations (\$/meter)	6	6	11	9	13
Back office processing (\$/meter)	10	10	10	10	10
Meter isolator CB install time (min)	30	30	30	30	40
Effective Unit Labour Rate (\$/hr)	82.4	82.4	82.4	82.4	96
Meter isoator equipment cost	50	50	50	50	80
Meter isolator installation cost only	91	91	91	91	144
Total Meter Installation Cost Only	192	192	229	209	318
Total Meter Installation Cost Only (cost for the installation of meter isolating CB as per DaNM Supply & Installa Costs excluding any allowance for equipment or installation time costs for remote metering communications)	192	192	229	209	312

placement Meter Installation Costs						
Upper Bound						
3 Phase CT Connect	1 Ph Electro-mech	1Ph Electronic	1Ph Combo - 2 meters & load control	Prepayment 1Ph	3 Phase Direct Connect	3 Phase CT Connect
120	40	40	70	50	70	140
20	50	50	50	50	50	50
20	50	50	50	50	50	50
12%	18%	18%	18%	18%	18%	18%
2.4	9	9	9	9	9	9
142.4	99	99	129	109	129	199
50%	50%	50%	50%	50%	50%	50%
70%	12%	12%	12%	12%	65%	90%
108	84.8	84.8	84.8	84.8	106	116
256	140	140	182	154	228	385
1	1	1	5	1	1	1
			40%			
257	141	141	187	155	229	386
10	12	12	12	12	12	12
8%	15%	15%	15%	15%	15%	15%
2	3	3	3	3	3	3
26	24	24	42	30	42	84
10	16	16	16	16	16	16
0	30	30	30	30	40	0
108	84.8	84.8	84.8	84.8	106	116
0	50	50	50	50	80	0
0	92	92	92	92	151	0
ation 385	July 1967.	196	260	216	302	501
s equipment						
305	288	288	353	308	453	501