

# **Electricity Transmission Revised Proposal**

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**2008/09 – 2013/14**

## **Appendix J**

### **List of Capex Support Documents**

## Electricity Transmission Revenue Proposal

### Appendix J: List of Detailed Papers Supporting Revised Capex Proposal

The AER's Draft Decision raises a number of matters in relation to forecast capital expenditure. SP AusNet's revised Revenue Proposal addresses each of these matters, and where appropriate SP AusNet has submitted additional detailed papers to the AER (under separate cover) to support the proposals set out in its revised Revenue Proposal.

For each of these matters, the table below lists the title(s) of the relevant supporting paper(s) that have been submitted to the AER under separate cover.

Section of revised Revenue Proposal	Matter addressed in the revised Revenue Proposal	Title of detailed paper submitted by SP AusNet to substantiate its revised Revenue Proposal in respect of this matter
5.9.2	SP AusNet's cost accumulation process - Contingency allowance	Major Project Contingency Risk Allowance, 2007/8-2013/14 Capital Works Revised Proposal Report by Evans and Peck: Risk Review of Capital Replacement Program
5.9.3	Response capability for undefined works	Response Capability - Minor Works, 2007/8-2013/14 Capital Works -Revised Proposal Report by Evans and Peck: Risk Review of Capital Replacement Program
5.9.4	SP AusNet's cost accumulation process - Labour and materials escalation	No supporting paper is provided in relation to this matter because SP AusNet proposes to accept the Draft Decision in relation to this matter for the purpose of the revised Revenue Proposal.
5.9.5	Refurbishment of Hazelwood Power Station Switchyard (HWPS)	HWPS JW420 CB Replacement – Ancillary Equipment: 2008-2014 capital works: Response to Draft Decision
5.9.6	Redevelopment of the Richmond Terminal Station (RTS)	Richmond Terminal Station Redevelopment, 2008-2014, Capital Works – Revised Revenue Proposal Report by Connell Wagner: Richmond Terminal Station Redevelopment Plan Report by GHD: Transformer Replacement Report, 66 kV Replacement Program
5.9.7	Transformer replacement program	Transformer Replacement Program: 2007/8 – 2013/14 Capital Works Revised Proposal
5.9.8	Replacement of station and control centre SCADA	No supporting paper is provided in relation to this matter because SP AusNet proposes to accept the Draft Decision in relation to this matter for the purpose of the revised Revenue Proposal.
5.9.9	CT replacement program	Current Transformer Replacements: 2008/09-2013/14 Capital Works Revised Proposal AMS 10-01 Asset Management Strategy.pdf AMS 10-22 Risk Management.pdf AMS 10-64 Instrument Transformers.pdf AMS 10-121 Life of Current Transformers.pdf Current Transformer Program.pdf Shortest Version Risk Models.ppt Version 1 Current Transformer Risk Model.ppt Version 2 Current Transformer Risk Model.ppt

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Section of revised Revenue Proposal	Matter addressed in the revised Revenue Proposal	Title of detailed paper submitted by SP AusNet to substantiate its revised Revenue Proposal in respect of this matter
		<p>Updated Current Transformer Risk Model.ppt            Current Transformer Risk Reduction Efficiencies.ppt            LYPS CT Failure Analysis Report – AL-0789-07            Brief investigation report on Mitsubishi 500 kV CT.pdf            2007 CT Risk Model.xls            CT Data.xls            Overview of Risk Analysis in Capital Planning.pdf            NPV Inputs – CT Replacement program.xls            Part 1 of 2 and 2 of 2 NPV Current Transformer Replacement Options.xls            Parts 1 through 6 of NPV - SPA Proposal PB Amendment AER Draft determination.xls            CT FAILURE ANALYSIS .pdf 22 May 2007            Occupational Health &amp; Safety Act 2004 No 107            Health &amp; Safety Policy and Guidelines, HSP 01-01 Issue 3            H&amp;S Pol bc.doc, SP AusNet            Brooklyn Terminal Station Re-development 2007/08 – 2013/14 Capital Works Revised Proposal            Replacement Program For Current Transformers – Capital Works Project Description, November 2006            Mitsubishi CT Service Life Report, D McLennan, SP AusNet 2007            Transmission Connection Planning Report 2006 – Produced jointly by the Victorian Electricity Distribution Businesses</p>
5.9.10	Vehicle replacement	No supporting paper is provided in relation to this matter because SP AusNet proposes to accept the Draft Decision in relation to this matter for the purpose of the revised Revenue Proposal.
5.9.11	Inventory	No supporting paper is provided in relation to this matter because SP AusNet proposes to accept the Draft Decision in relation to this matter for the purpose of the revised Revenue Proposal.
5.9.12	Replacement of 500 kV Circuit Breakers	<p>Replacement Program for 500 kV Circuit Breakers – SP AusNet Response to AER Draft Decision Report            Siemens Offer for 3AT5 500 kV CBs.            Asset Management Strategy document entitled “Circuit Breakers” (AMS 10-54)</p>
5.9.13	Replacement of 66 kV Circuit Breakers	<p>66 kV CB Replacement Program: 2008-2014 capital works justification for excluded works – post AER/PB review.            Asset Management Strategy 10-106, ‘Circuit Breakers – Summary of Issues and Strategies’            Occupational Health and Safety Regulations            Vencorp 2007 Electricity Annual Planning Report</p>
5.9.14	Redevelopment of Brooklyn Terminal Station (BLTS)	<p>BLTS Refurbishment Revised Revenue Proposal Final Oct 2007.doc            X578-BLTS-Replacement Sequence 220-22kV Rev 2B.ppt</p>

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Section of revised Revenue Proposal	Matter addressed in the revised Revenue Proposal	Title of detailed paper submitted by SP AusNet to substantiate its revised Revenue Proposal in respect of this matter
		BLTS AER Resubmission Cost Estimates Rev2f.xls BLTS 220kV, 66kV, Trans - PM 11 Oct 07 (Rev 2F costs and Option 3a).xls X578-BLTS DEVELOPMENT Supplementary Report Rev2F.doc
5.9.15	Refurbishment of Thomastown Terminal Station (TTS)	Thomastown Terminal Station Refurbishment; 2007/8 – 2013/14 Capital Works Revised Proposal Transmission Connection Planning Report (for TTS) SP AusNet Asset Strategy SP AusNet circuit breaker assessment model Replacement Program for 66 kV Switchbays 2008-2014 TTS Redevelopment Financial Analysis V5.xls
5.9.16	Refurbishment of Ringwood Terminal Station (RWTS)	Adjustments made in the Draft Decision to the RWTS refurbishment expenditure proposal relate to the removal of contingency only. Refer to the report by Evans and Peck: Risk Review of Capital Replacement Program
5.9.17	Refurbishment of Glenrowan Terminal Station (GNTS)	Glenrowan Terminal Station Redevelopment 2008/09-2013/14 Capital Works Revised Proposal Asset Management Strategy Victorian Electricity Transmission Network – AMS 10-01 AMS - Circuit Breakers – AMS 10-54 AMS – Circuit Breakers – Summary of Issues and Strategies – AMS 10-106 AMS Protection Systems – AMS 10–68 Glenrowan Terminal Station Redevelopment 2008/9-2013/14 Capital Works project description Oct 2006 Parts 1, 2, 3 & 4 NPV GNTS 66 kV switchyard replacements.xls Chart - NPV GNTS 66 kV switchyard replacements.xls Part 1 and Part 2 of NPV Current Transformer Replacement Options.xls 66kV CB Replacement Program, 2008/9-2013/14 Capital Works, Revised Proposal Oct 2007 Current Transformer Replacements, 2007/8-2013/14 Capital Works, Revised Proposal Oct 2007 Risk Review of Capital Replacement Program, Oct 2007, Evans & Peck Transmission Connection Planning Report 2006 – Jointly prepared by Victorian Distribution Companies 2007 CT Risk Model.xls
5.9.18	Refurbishment of Keilor Terminal Station (KTS)	Keilor Terminal Station 220/66 kV Refurbishment 2007/08-2013/14 Capital Works Revised Proposal
5.9.19	Refurbishment of Geelong Terminal Station (GTS)	No supporting paper is provided in relation to GTS because SP AusNet proposes to accept the Draft Decision in relation to GTS refurbishment for the purpose of the revised Revenue Proposal.
5.9.20	Refurbishment of	Adjustments made in the Draft Decision to the HWTS

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<b>Section of revised Revenue Proposal</b>	<b>Matter addressed in the revised Revenue Proposal</b>	<b>Title of detailed paper submitted by SP AusNet to substantiate its revised Revenue Proposal in respect of this matter</b>
	Hazelwood Terminal Station (HWTS)	refurbishment expenditure proposal relate to the removal of contingency only. Refer to the report by Evans and Peck: <i>Risk Review of Capital Replacement Program</i>

Notes. For each of the above submitted documents please also refer to the documents for references to other documents within the list as some documents are used as supporting documents for a number of projects. Also subdocuments and spreadsheets are not detailed separately but are referenced in each document.