

Attachment 1.7

Submission Document Map

**2016/17 to 2020/21 Access
Arrangement Information**

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1 Introduction

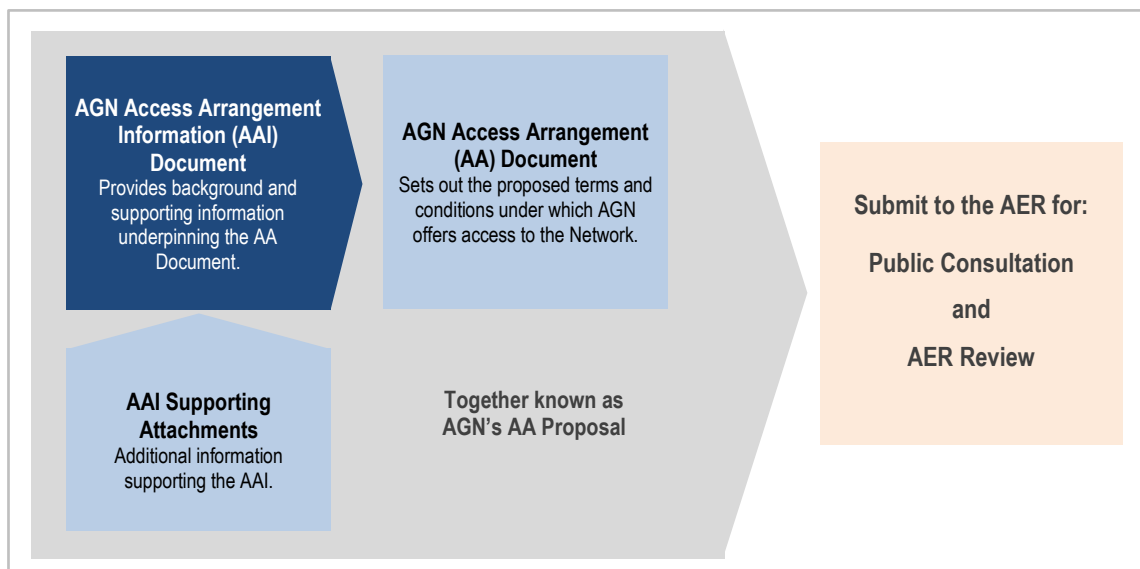
Australian Gas Networks Limited (AGN) has developed this Access Arrangement (AA) Proposal for its South Australian natural gas distribution network (the Network) for submission to the Australian Energy Regulator (AER). As outlined in Figure 1 this AA Proposal consists of two primary documents:

1. The AA Document – which sets out the terms and conditions under which AGN offers access to the Network; and
2. The Access Arrangement Information (AAI) Document – which provides background and supporting information underpinning the AA Document.

The AAI itself is supported by a series of Attachments as well as other supporting material.

In addition to the documents outlined in Figure 1, AGN has developed and published a customer overview document that provides a short summary of the key issues driving our AA Proposal.

FIGURE 1: THE ACCESS ARRANGEMENT PROPOSAL



This Attachment provides a submission document map which illustrates the relationship of the Customer Overview, AA Document, the AAI and the AAI Attachments. It also outlines the chapters in the AA Document and the AAI.

2 Submission Document Map

The submission document map is set out in Figure 1. It is designed to provide a high-level graphical summary of the various components of AGN's AA Proposal, as such:

- acronyms have not been defined in the map itself, however, a list of acronyms is provided at the start of the AAI; and
- attachment names are not provided in full, however, a list of attachments is provided at the start of the AAI.

FIGURE 1: SUBMISSION DOCUMENT MAP

Customer Overview Document																		
Access Arrangement Document																		
1. Introduction	2. Services	3. Reference Tariffs	4. Reference Tariff Policy – General	5. Reference Tariff Policy – Incentive Mechanisms	6. Terms & Conditions	7. Capacity Trading	8. Network Extensions and Expansions	9. Review of the Access Arrangement	10. Glossary	Annexure A: Network Map	Annexure B: Tariff Schedule	Annexure C: Map – Regions of Network	Annexure D: Map – Tariff Zones	Annexure E: Reference Tariff Control Formulae	Annexure F: Specific Terms and Conditions	Annexure G: General Terms and Conditions†	Annexure H: Heating Value Zones	
Access Arrangement Information																		
Preface		Part A – Background				Part B – Our Proposal	Part C – Derivation of Total Revenue							Part D – Derivation of Reference Tariffs			Part E – Other	
Foreword from the CEO	Executive Summary	1. Introduction	2. Business Overview	3. Stakeholder Engagement	4. Past Performance	5. What we will Deliver	6. Pipeline Services	7. Operating Expenditure	8. Capital Expenditure	9. Regulatory Asset Base	10. Rate of Return	11. Cost of Tax	12. Incentive Arrangements	13. Total Revenue	14. Demand Forecasts	15. Reference Tariffs	16. Tariff Variation Mechanisms	17. Non-Tariff Components
		RIN Template*	Little Affidavit*	Log of Documents on Stakeholder Website	Productivity Performance of AGN	Updating the Profile of Prices		Business Cases (opex and capex)*	Asset Management Plan	Measuring Expected Inflation for the PTRM	Rate of Return		Post Tax Revenue Model Methodology		Prudent Discount Summary*	Demand Forecasting Report	Cost Allocation Model*	Marked-up Terms & Conditions
		RIN Index*	Cain Affidavit*	Scoping Paper	Benchmarking AGN's Opex and Capex			AGN Insurance*	Mains Replacement Plan*		Averaging Period*		Value of Imputation Credits			Demand Forecast Model*	Retailer Reference Group Feedback	
		CEO Statutory Declaration*	Ferguson Affidavit*	Log of External Engagement Activities				Unaccounted for Gas	Capacity Management Plan		23 separate attachments as listed in Table 1		An Appropriate Regulatory Estimate of Gamma			Weather Normalisation Model*		
		Roll Forward Model	Benchmark Study of Contractor Profit Margins	External Engagement Meeting Summaries				Incremental Cost per Customer	IT Plan		Secondary Supporting Material*		Estimating Gamma for Regulatory Purposes			Dwelling Forecast Methodology		
		Post Tax Revenue Model		Stakeholder Engagement Strategy				Real Cost Escalation Forecasts	Materials and Services Contracting Regime*				An Appropriate Regulatory Estimate of Gamma					
		AER Gas Price Review Report		South Australian Stakeholder Engagement Strategy				Recommendations for Methodology for Forecasting WPI	Unit Rates**				Working Paper					
		Submission Document Map		Workshop Presentation				Opex Forecast Model	Gas Measurement Plan				Estimating Distribution and Redemption Rates Updated Estimate of Theta					
		Confidentiality Claims		Fact Sheets					Capex Forecast Model				Estimating Distribution and Redemption Rates					
				Deloitte Stakeholder Insights Report														
				Jurisdictional Service Standards Review														
				Insights and Implementation Report														

AAI Attachments:

Grey shaded cells have been drafted by AGN

Blue shaded cells have been drafted by third-party consultants

† This Annexure is provided as a separate document to the AA Document

* Attachments are confidential

** These Attachments have supporting information that has been provided to the AER

TABLE 1: LIST OF THIRD-PARTY ATTACHMENTS RELATED TO CHAPTER 10

Attachment Number	Attachment Name
10.3	SFG Consulting – The Required Return on Equity for Regulated Gas and Electricity Network Businesses
10.4	SFG Consulting – The Required Return on Equity for the Benchmark Efficient Entity
10.5	SFG Consulting – The Foundation Model Approach of the Australian Energy Regulator to Estimating the Cost of Equity
10.6	SFG Consulting – Using the Fama-French Model to Estimate the Required Return on Equity
10.7	SFG Consulting – Share Prices, the Dividend Discount Model and the Cost of Equity for the Market and a Benchmark Energy Network
10.7A	SFG Consulting – Equity beta, Report for Jemena Gas Networks, ActewAGL and Networks NSW
10.8	SFG Consulting – Beta and the Black Capital Asset Pricing Model
10.9	NERA – Historical Estimates of the Market Risk Premium
10.10	NERA – Review of the Literature in Support of the SL CAPM, the Black CAPM and the Fama French Three Factor Model
10.11	Incenta Economic Consulting – Further Update on the Required Return on Equity from Independent Expert Reports
10.12	NERA – Empirical Performance of Sharpe-Lintner and Black CAPMs
10.13	Frontier Economics – Review of the AER's Conceptual Analysis for Equity Beta
10.14	Frontier Economics – An Updated Estimate of the Required Return on Equity, Report Prepared for Australian Gas Networks
10.15	Letter from Grant Samuel & Associates Pty Limited (Grant Samuel) to the Directors of Transgrid; 12 January 2015
10.16	Frontier Economics – Key Issues in Estimating the Return on Equity for the Benchmark Efficient Entity
10.17	NERA – The Cost of Equity: Response to the AER's Final Decision for the NSW and ACT Electricity Distributors and for Jemena Gas Networks
10.18	NERA – Further Assessment of the Historical MRP: Response to the AER's Final Decision for the NSW and ACT Electricity Distributors
10.19	Witness statement of Dr Robert Malko
10.20	Witness statement of Ronald L Knect
10.21	Incenta Economic Consulting – Debt Raising Transaction Costs – Updated Report – Jemena
10.22	CEG – The Hybrid Method for the Transition to the Trailing Average Rate of Return on Debt, Assessment and Calculations for AGN
10.23	CEG – Efficient Use of Interest Rate Swaps to Manage Interest Rate Risk
10.24	CEG – The New Issue Premium