

AETV Power Tamar Valley Power Station

Presented by M Brewster

Agenda

- Introduction
- History
- Objectives
- Overview
- Current Status
- Key Challenges
- Summary

Introduction

- Who is AETV Power?
- Relationship to Aurora Energy and Government of Tasmania

History

- Alinta
- Babcock & Brown
- State Government / Aurora Energy / ACCC

Objectives

- Complete within budget
- Peaking plant operational by April 09
- Combined Cycle operational by September 09

Benefits

- More options / improved system security for the State
- High efficiency CCGT
- Less warm water released into the Tamar
- Less NOX emission than Bell Bay Power Station

Generating Plant

- 210MW CCGT (140/70)
- 60MW OCGT
- 3 x 40MW OCGTs

Connections

- Gas
 - Supply
 - Transport
 - Connection and Metering
- Electrical
- Water

Business Operations Set Up

- Trading – AEATM, Energy and FCAS
- Power Station manning
- Commercial Operations
- EHS and Gas Approvals

Construction Photos

- Aerial Progress
- CCGT
- FT8s
- OCGT
- WTP

June 2008



15 May 2009

Presentation to Tasmanian Minerals Council

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October 2008



February 2009



HRSG Heavy Lift - May 2008



Gas Turbine and HRSG – May 2009



Cooling Tower – May 2009



CW Piping – May 2009



Pouring Steam Turbine Suspended Slab - December 2008



Steam Turbine Area – May 2009



Refurbished FT8s – April 2009



Open Cycle Gas Turbine Foundations - September 2008



Rolls Royce Trent Open Cycle Gas Turbine – May 2009



Water Treatment Plant – May 2009



Challenges



- Typical start up risks and issues
- Congested nature of site
- Potential delivery delays
- Co-ordination of operations and construction
- Operational readiness
 - Enough people?
 - Adequately trained?

Challenges (cont.)



- Frequency standard changes and implications
- Developing policies & procedures and systems
- Keeping people safe
- No environmental incidents

Challenges (cont.)



- Trading set up and operation
- Have we covered key risks?
 - Keeping good people as project winds up
 - Getting connected eg. Registrations
 - Impact if counterparty failure

Summary



- Exciting, challenging project
- Important to Tasmania's future energy security
- Will introduce 200MW of base load and 180MW of peaking plant

Questions?