

# Bathurst TRS - Facilities Obsolescence Budget Summary

No Errors Found

Project Estimating Model (PEM) v.1.97R

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## Bathurst TRS - Facilities Obsolescence

Project Name	Bathurst TRS - Facilities Obsolescence	Jemena WBS	BAB-RFT-000055
Asset (Capex/Opex)	Jemena Gas Network (JGN) - Capex	Zinfra WBS	ABP-RFT-000055
Capital Program		Project Start Date	1-Jan-30
Project Initiator		PEM Version	1.97R
Project Manager			

### Inclusions

Electrical and Instrumentation upgrade only focusing on non-compliant equipment.  
 Jemena/Zinfra supplied electrical cabinet  
 Jemena & Zinfra Project Team Labour  
 Design Consultant - Detailed Design  
 Installation Contractor  
 Audit/Investigation Third Party  
 Commissioning  
 All materials required

### Exclusions

Any other mechanical / electrical related works other than between station inlet and outlet valves.  
 Modification to any other components in the station  
 Painting of any other items except the items that is being replaced.  
 Procure, Fabricate and Install double Slam Shuts and Gorter Regs per new design strategy  
 Travel cost  
 Develop new site HA Dossier  
 Grouting  
 Design consultant for FEED  
 Earthing assessment  
 Commissioning support by external contractor

### Assumptions

Planned shutdown of facility 1 run at a time.  
 Upgrade can be done during winter months ( no time constraint).  
 Assume all material required are included in the contractor cost at G5 except Electrical cabinet  
 The contractor and material cost will be similar to Bungendore station Upgrade

### Constraints

Internal labour's conflicting priorities to meet project timelines.  
 External cost - Material and contractor cost increase due to higher inflation.

## Project Cost Splits - by Gate

Gates	First Month of Expenditure	Budget (\$) Direct Cost JEMENA ONLY	Budget (\$) Direct Cost ZINFRA ONLY	Budget (\$) Direct Cost Combined	% Split Direct Cost	Budget (\$) Risk Allocation	Budget (\$) Indirects (ZSS)	Budget (\$) Overheads	TOTAL Budget (\$) (DC+ RA+ IND + OH)
Gate 1 - Initiate	Jan-30	17,606	7,165	24,771	3.7%	2,477	9,861	1,335	38,444
Gate 2 - Plan & Define	Apr-30	43,475	6,344	49,819	7.5%	8,982	21,280	2,881	82,961
Gate 3 - Plan & Define	Aug-30	6,173	143,265	149,439	22.5%	38,865	68,147	9,227	265,678
Gate 4 - Deliver	Nov-30	8,231	63,278	71,509	10.8%	13,151	30,638	4,148	119,447
Gate 5 - Deliver	Mar-31	15,433	327,362	342,795	51.7%	84,116	154,499	20,919	602,329
Gate 6 - Deliver	Jun-31	2,058	9,197	11,254	1.7%	1,125	4,480	607	17,467
Gate 7 - Close	Jul-31	-	13,795	13,795	2.1%	1,380	5,492	744	21,410
<b>Totals</b>		<b>92,975</b>	<b>570,406</b>	<b>663,381</b>	<b>100.0%</b>	<b>150,096</b>	<b>294,398</b>	<b>39,860</b>	<b>1,147,736</b>

## Project Cost Splits - by Resource Type

Cost Code	Description	Budget (\$) Direct Cost JEMENA ONLY	Budget (\$) Direct Cost ZINFRA ONLY
<b>Jemena</b>			
JEMMAT	Jemena Materials	-	
PM	Jemena Labour	72,975	
JEMSUB	Jemena engaged contractors (excl Zinfra)	20,000	
REST	Restorations (Jemena Cost)	-	
<b>Zinfra</b>			
ZINMAT	Zinfra Materials		30,000
L	Zinfra Labour		171,615
ZINSUB	Zinfra engaged contractors		368,791
<b>Totals</b>		<b>92,975</b>	<b>570,406</b>

### Project Estimate Review

Name	Position	Signature	Date

