	Opportunity Bri	ef for Infrastru	cture	J	emena bringing energy to life	
Title:*	Path Valves - Medium and Low Pressure					
		1. Summary				
	Definition of the opportunity	or issue being highlighted. Initiato	or please complete the	following fields.		
roject Initiator:*	Graham Thomas	SAP WBS:				
quiry Number:		Service Type*:	CAPEX_Rep	lacement		
Regulatory Allowance:		Asset:*	JGN			
pportunity: *	In the event of a gas escape, an system). The valves are installed below g	, part of an Industrial and Commern escape within building, the valve p ground level within the "foot path" a he building provides direct access,	provides a mechanism nd other open public s	to isolate the downstream paces.	supply (customer pipin	
bjective:*						
roject Justification:*	An investigation into the condition and operation of path valves (Haymarket and Kings Cross) has identified a number of operation. Valve or valve cover may be damaged Unable to locate a valve. Unable to operate a valve These issues impact Jemena's effectiveness to isolate downstream gas supply. This creates a public safety and reputational risk.					
	Commercial Integrity	y Compliance Moderate		usiness Development	✓Safety 1/07/2020	
	About Nok Ruting.	Modorato		alon required by:	110112020	
		2. Options Consider	ration			
	List of potential options to reso Option Description 8	olve the issue or opportunity. Inclue & Assumptions	de both options consid Delivery Risks & Con		Cost Estimate	
ption 1 (Preferred):	Repair/replace path valves or	n an as needs basis. nil		\$100,00		
	Approximately 10 valves per a	++++	lomono and the gan			
option 2:	Do nothing       Exposes Jemena and the general public to an unacceptable safety risk.         In the case of a gas escape, this critical risk control may not be effective.					
Option 3:						
o Nothing:		į				
comments:						
		3. Project Sched		sible group		
	Initial view of the key m					
	Initial view of the key m Gate & PMM	Phase	Target Date		Comments	
		Phase 1/07/2019			Comments	
	Gate & PMM				Comments	
	Gate & PMM Gate 1 - Initiate				Comments	
roject Schedule:	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define				Comments	
roject Schedule:	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define				Comments	
roject Schedule:	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver Gate 6 - Deliver				Comments	
roject Schedule:	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver				Comments	
roject Schedule:	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver Gate 6 - Deliver	1/07/2019 	Target Date		Comments	
	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver Gate 6 - Deliver	4. Financial Fored	Target Date			
Financi	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver Gate 6 - Deliver Gate 7 - Close	4. Financial Fored	Target Date	gainst the AMP budget all	ocation.	
Financi	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 3 - Plan & Define Gate 5 - Deliver Gate 5 - Deliver Gate 6 - Deliver Gate 7 - Close	4. Financial Forec	Target Date	gainst the AMP budget all	ocation.	
Financi	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver Gate 6 - Deliver Gate 7 - Close	4. Financial Foreo	Target Date	gainst the AMP budget all	ocation.	
Financi roject Estimate:* Document No.	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver Gate 6 - Deliver Gate 7 - Close	4. Financial Foreo n oversight on how much the project ralue is automatically populated with the 5. Referenced Docul lease note hyperlinks must begin v	Target Date	gainst the AMP budget all	ocation. ler Options Consideration	
Project Estimate:*	Gate & PMM Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver Gate 6 - Deliver Gate 7 - Close al overview of the project, providing an \$100,000 This w	4. Financial Foreo n oversight on how much the project ralue is automatically populated with the 5. Referenced Docul lease note hyperlinks must begin v	Target Date	gainst the AMP budget all	ocation. ler Options Consideration	

## Opportunity Brief - Path Valves - Medium and Low Pressure

		9.					
	tional Attachments d documents are included in project folder)						
	C An						
	6. Approval						
Approver	Title	Name	Approval				
Recommended By	Project Initiator*	Graham Thomas	Approved by Gupta Goli on 12/05/2019.				
Agreed By	Asset Strategy Representative*	Phil Colvin	Approved by Phil Colvin on 12/05/2019.				
	Asset Investment Manager (AMP)/ GM Commercial (Commercial)*	Troy Kooloos	Approved by Troy Kooloos on 20/05/2019				
	Comments						

h Valves - Secondar Definition of the opportunity or issu Graham Thomas	1. Sumi								
	e being highlighte	mary		Path Valves - Secondary Pressure					
Graham Thomas	CAD M	ed. Initiator plea	se complete the following	g fields.	_				
	SAP W	BS:							
	Service	Туре*:	CAPEX_Replacemer	nt					
	Asset:*		JGN						
A path valve is a isolation valve, part of an Industrial and Commercial service. These valves are a safety device (isolation valve). In the event of a gas escape, an escape within building, the valve provides a mechanism to isolate the downstream supply (customer piping system). The valves are installed below ground level within the "foot path" and other open public spaces. Locating the valves external to the building provides direct access, allowing Jemena to manage the risk of a gas escape in a timely manner.									
Valve or valve cover may be damaged Unable to locate a valve. Unable to operate a valve			- /		·				
□Commercial ☑Integrity	Com	pliance	Business	Development	⊠Safety				
Asset Risk Rating:*	Modera	ate	Solution Re	equired By:*	1/07/2020				
		unacceptable safety risk. In the case of a gas escape, this critical risk control may not be effective.		al risk co					
		<u> </u>							
	Ducient								
			ver and responsible gro	up.					
Gate & PMM Phase Gate 1 - Initiate		Та	rget Date		Comments				
Gate 3 - Plan & Define									
Gate 5 - Deliver									
Gate 6 - Deliver Gate 7 - Close									
			pected to cost against tl	he AMP budget a	llocation.				
0,000 This value is a	utomatically popul	ated with the valu	ie from Option 1 (Preferre						
Title				MS Link / Refere	nce				
	system). The valves are installed below ground le Locating the valves external to the build Ensure the ongoing effectiveness of the An investigation into the condition and co Valve or valve cover may be damaged Unable to locate a valve. Unable to operate a valve These issues impact Jemena's effective Commercial Integrity Asset Risk Rating:*   Commercial Integrity Repair/replace path valves on an as identified from field investigations Two valves per annum Do nothing  I on thing  I on thing  I on this valve of the key milestone Gate 1 - Initiate Gate 2 - Plan & Define Gate 3 - Plan & Define Gate 4 - Deliver Gate 5 - Deliver Gate 7 - Close	system). The valves are installed below ground level within the "fo 	Paystem). The valves are installed below ground level within the "toot path" and oth. Coading the valves external to the building provides direct access, allowi  Ensure the ongoing effectiveness of these safety devices.  An investigation into the condition and operation of path valves (Haymark Valve or valve cover may be damaged Unable to locate a valve. Unable to operate a valve These issues impact Jemena's effectiveness to isolate downstream gas e Commercial Integrity Compliance Asset Risk Rating:*  Moderate  Commercial Integrity Moderate  Commercial Integrity Moderate  Commercial Integrity Moderate  Repair/replace path valves on an as needs basis, as Identified from field investigations Two valves per annum  Do nothing  Cate 4 Polyeer  Gate 5 Polyee  Gate 2 Plan & Define Gate 3 Plan & Define Gate 5 - Deliver  Gate 6 - Deliver  Commercial Integrity  Compliance  Commercial Integrity  Cate 6 - Deliver  Please note hyperlinks must begin with "too  Commercial Integrity  Cate 6 - Deliver  Please note hyperlinks must begin with "too  Commercial Integrity  Compliance  Commercial  Commercial Integrity  Compliance  Commercial  Comme	Pystem). The valves are installed below ground level within the "toot path" and other open public spacescoating the valves external to the building provides direct access, allowing Jemena to manage t Ensure the ongoing effectiveness of these safety devices.  The ongoing effectiveness of these safety devices.  The organization of the condition and operation of path valves (Haymarket and Kings Cross) hacoating the valves external to the building provides direct access, allowing Jemena to manage tcoating the valves external to the building provides direct access, allowing Jemena to manage tcoating the valves external to the building provides direct access, allowing Jemena to manage tcoating the valves external to the building provides direct access, allowing Jemena to manage tcoating the valves external to the building provides direct access, allowing Jemena to manage tcoating the valves external to the building provides direct access, allowing Jemena to manage tcoating the valves external to the down and external to the provides direct access, allowing Jemena to manage tcoating the valves external to the solute the sale of ages external to the general public access of ages external to the general public access of ages external to the general public access of ages external to the solute sale or ages except, this criticcoating the sale of ages except. This criticcoating the sale of ages excep	ystem)				

2	<u> </u>						
3							
	dditional Attachments ched documents are included in project folder)						
	6. Approval						
Approver	Title	Name	Approval				
Recommended By	Project Initiator*	Graham Thomas	Approved by Gupta Goli on 7/05/2019.				
Agreed By	Asset Strategy Representative*	Phil Colvin	Approved by Phil Colvin on 7/05/2019.				
Decided By	Asset Investment Manager (AMP)/ GM Commercial (Commercial)*	Troy Kooloos	Approved by Troy Kooloos on 9/05/2019.				
	Comments						