

OPPORTUNITY BRIEF FOR INFRASTRUCTURE



| SUMMARY | | | | |
|---|--|------------------------------------|-------------------------------------|---|
| Definition of the opportunity or issue being highlighted. Initiator please complete the following fields. | | | | |
| Title:* | Flow Measurement at Philip PRS | | | |
| Project Initiator:* | | SAP WBS: | AAN-RFP-000002 | |
| Inquiry Number:* | 1.00226e+007 | Service Type:* | CAPEX_Stay in Business | |
| In Regulatory Allowance: | \$0 | Asset:* | ActewAGL | |
| Opportunity: * | <p>The gas flow meter at Philip Primary Regulating Station (PRS) is not operating as required and attempts to repair it have not been successful. Consequently, the gas flow through Philip PRS is unknown.</p> <p>Out of the five AS2885 pressure regulating stations in the ACT, only Hume PRS has functional gas flow metering (on one run).</p> | | | |
| Objective:* | To gain an understanding of gas flow through Philip PRS for the purpose of network modelling, validation, and planning AS2885 facility upgrades. | | | |
| Project Justification:* | <p>Allows for educated forecasting of the timing of AS2885 facility upgrades e.g. the need to upgrade Philip PRS due to growth in Molonglo Stage 1 and 3.</p> <p>There is a risk of large capital investment for upgrade due to the limited flow information available to validate network models. There is a risk of poor supply and reduced security of supply in the Weston Creek/Molonglo, South Canberra and Woden regions (~25,500 customers) due to late investment in facility upgrade.</p> <p>Flow measurement is required for network modelling and validation. It assists with doing maintenance on the network such as integrity digs, pigging, facility shutdowns, emergencies and contingency (disaster) plans. It also assists with determining parameters (e.g. pipe velocity) for welding.</p> <p>Assists with the identification of unaccounted gas (UAG).</p> | | | |
| | <input checked="" type="checkbox"/> Commercial | <input type="checkbox"/> Integrity | <input type="checkbox"/> Compliance | <input type="checkbox"/> Business Development |
| | <input type="checkbox"/> Safety | Asset Risk Rating:* | Significant | Solution Required By:* |
| | | | | 30/06/2021 |

| OPTIONS CONSIDERATION | | | |
|--|--|---|---------------|
| List of potential options to resolve the issue or opportunity. Include both options considered and rejected. | | | |
| | Option Description & Assumptions | Delivery Risks & Constraints | Cost Estimate |
| Option 1 (Preferred): | Install new flow meter at Philip PRS. | The existing insertion flow meter is on the comm... Meter installation would require shutdown of Phi... Limited space in the Philip PRS outlet pipe pit for ... | \$500,000 |
| Option 2: | Repair existing meter at Philip PRS. | Multiple attempts have been made to repair the ... | |
| Option 3: | Perform network modelling and validation using measur... | Using measured pressures is not enough to effec... | |
| Do Nothing: | | | |
| Comments: | | | |

| PROJECT SCHEDULE | | | |
|---|------------------------|-------------|----------|
| Initial view of the key milestones of the project, as well as approver and responsible group. | | | |
| | Gate & PMM Phase | Target Date | Comments |
| Project Schedule: | Gate 1 - Initiate | | |
| | Gate 2 - Plan & Define | | |
| | Gate 3 - Plan & Define | 30/06/2020 | |
| | Gate 4 - Deliver | | |
| | Gate 5 - Deliver | | |
| | Gate 6 - Deliver | 30/06/2021 | |
| | Gate 7 - Close | | |




FINANCIAL FORECAST

Financial overview of the project, providing an oversight on how much the project is expected to cost against the AMP budget allocation.

Project Estimate:* This value is automatically populated with the value from Option 1 (Preferred) Cost Estimate under Options Consideration.

REFERENCED DOCUMENTS

Please note hyperlinks must begin with "http://"

| Document No. | Title | ECMS Link / Reference |
|--|----------------------|---|
| 1 | <input type="text"/> |  |
| 2 | <input type="text"/> |  |
| 3 | <input type="text"/> |  |
| Additional Attachments <i>(Please ensure attached documents are included in project folder)</i> | | 0.0 RY21 Flow Measurement at Phillip PRS.pdf |

APPROVAL

| Approver | Title | Name | Approval |
|-----------------------|---|--------------|----------------------|
| Recommended By | Project Initiator* | Sheron Tang | <input type="text"/> |
| Agreed By | Asset Strategy Representative* | Phil Colvin | <input type="text"/> |
| Decided By | Asset Investment Manager (AMP)/ GM Commercial (Commercial)* | Troy Kooloos | <input type="text"/> |

COMMENTS

Print Gate

Outstanding Approval

✓ Title Related Content Created

There are no items to show in this view of the "Tasks" list.