

2016-17 (Stage 2) Queensland

PROJECT AGREEMENT FOR THE GREAT ARTESIAN BASIN SUSTAINABILITY INITIATIVE (PHASE FOUR)

PART 1: PRELIMINARIES

1. This bilateral schedule to the Project Agreement on the Great Artesian Basin Sustainability Initiative (Phase Four) should be read in conjunction with that Agreement. The Schedule has been developed in accordance with clause 13(b) of the Agreement to set out a list of projects and project milestones to be completed by 30 June 2017 (stage 2).

PART 2: FORMALITIES

2. The Parties to this Schedule are the Commonwealth of Australia, represented by the Minister responsible for water resources, and the State of Queensland, represented by the Minister responsible for natural resources.
3. This Schedule will commence as soon as it is agreed between the Commonwealth and Queensland, including agreement of the Project List set out in Table 3 of this Schedule, and expire on 30 June 2017 or on completion of the project whichever is earlier, including final performance reporting and processing of final payments against milestones.

PART 3: FINANCIAL ARRANGEMENTS

4. Having completed an assessment of the proposed projects in accordance with the Assessment Guidelines and Project Eligibility Criteria contained in Schedule A of the Agreement, the Commonwealth will provide a maximum financial contribution of \$3,085,298 to the State for projects listed at Table 3. All payments are exclusive of GST.
5. The agreed financial contribution to be provided by the Commonwealth, Queensland and individual landholders are outlined in Table 1.

Table 1. Estimated financial contributions

| (\$ million) | 2016-17 | Total |
|---------------------------|---------|-------|
| Estimated total budget | 8.440 | 8.440 |
| State contribution | 3.085 | 3.085 |
| Third party contributions | 2.270 | 2.270 |
| Commonwealth contribution | 3.085 | 3.085 |

PART 4: PROJECT MILESTONES, REPORTING AND PAYMENTS

6. Table 2 summarises the milestones for the project, their relationship to the outputs, expected completion dates, relevant reporting dates and expected payments to be made. The Commonwealth will make payments subject to the State demonstrating that the relevant milestone has been achieved.

Table 2: Milestones, reporting and payment summary

| Outputs | Milestones | Due date | Payment (\$ million) |
|--|--|---------------|----------------------|
| Bore replacement and restoration of critical infrastructure assets | Completion of projects in Table 3 of this Schedule, demonstrated by the annual completion report (clause 19) | 30 April 2017 | 3.085 |

7. If a milestone is met in advance of the due date, where the State demonstrates that the milestone has been met, the Commonwealth may make the associated payment earlier than scheduled provided it falls within the same financial year as the original milestones date.
8. The State will provide an annual completion report in accordance with Table 2 during the operation of the Agreement. Each performance report is to contain a description of actual performance in the period to date against the project milestones.
9. In accordance with Clause 19 of the Agreement, the annual completion report must be provided in the form of any relevant template(s) provided by the Commonwealth.
10. A final report will also be required, in accordance with Clause 20 of the Agreement.

PART 5: SIGN OFF

11. The Parties have confirmed their commitment to this agreement as follows:


Signature _____ **Date** 31/8/16
The Hon Dr Anthony Lynham MP Minister for Natural Resources and Mines


Signature _____ **Date** 23-8-16
The Hon. Barnaby Joyce MP Minister for Agriculture and Water Resources

Table 3 - Proposed project list

Projects rated against the criteria set out under Clauses A10, A7, and A5(c), and prioritised for implementation.

Locations of proposed projects are identified in the Project Location Map.

| List Number | Project ID | Project Name | Project location (lat, long) and shown on attached map | GABSI 4 target aquifer (GMA/ GMU) | Name of and proximity to (km) high value Basin dependent spring/s | Type of activity A10(a) to (f) | Activity description | Meter or bore pressure device (Y/N) | Estimated piping - controlled watering system (km) | Estimated open bore drain replaced / shut-down (km) | Discharge prior (L/s) | Discharge after (L/s) | Proposed water saving (ML/year) | | Proposed water saving in relation to state Water Resource Plan (ML/year) | | | Completion date | Total estimated cost (\$) | Proposed GABSI funding contribution (\$) | | | \$ of Govt funding per ML/year saved | Risk (low, medium, high) | |
|--|--------------|--|--|---|---|--------------------------------|---|---|--|---|-----------------------|-----------------------|---|---|---|---|---|-----------------|---------------------------|--|--------------------------|----------|--------------------------------------|--------------------------|--|
| | | | | | | | | | | | | | Relating to control valve - as a result of changed management practices of the infrastructure | Relating to piping - resulting from reduced system losses or fixing bore drain infrastructure | Maximum water savings potentially available to be reallocated to consumptive purposes from the target aquifer | Water savings not to be reallocated to consumptive purposes from the target aquifer | Water Resource Plan estimated consumptive pool for the target aquifer (within the GMA) prior to water savings | | | By state | By 3 rd party | By Cwith | | | |
| 1. | 5 | Ardoch | -27.49741235 144.3893032 | Hutton Sandstone (Warrego West/ Warrego West 5) | Within 50km of Bourke & Eulo Springs | A10 (b) | Critical Infrastructure Failure (Redrill & Plug) | Y | n/a | n/a | 42.3 | 5.6 | 187 # | - | 93.5 | 93.5 | 400 ** | 30 April 2017 | 561,575 | 224,630 | 112,315 | 224,630 | 2,402 | Low | |
| # There is no double counting of previously claimed water savings in this figure. The 969 ML/annum originally claimed for headworks fitment and piping on bore RN5 in the 1997/1998 year has been deducted from the difference in the Discharge prior and Discharge after. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | 4347 | Saxby Downs | -19.819031333 142.414768978 | Cadna-owie – Hooray Aquifer (Flinders /Flinders 2) | Within 50km of Flinders River Spring Group | A10 (b) | Critical Infrastructure Failure (Plug) | N | n/a | n/a | 66.0 | 44.0 | 683 # | - | 205 | 478 | 26000 ** | 30 April 2017 | 420,000 | 200,000 | 20,000 | 200,000 | 586 | Medium ## | |
| # There is no double counting of previously claimed water savings in this figure. The 11 ML/annum originally claimed for the redrill and plug of bore RN4347 in the 2009/2010 year has been deducted from the difference in the Discharge prior and Discharge after. ## Bore RN4347 has blown out and formed a very large bore pool which is approximately 15 metres in diameter, and as a result the risk of successfully plugging has been upgraded to Medium. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | 17366 | Gracedale | -20.5080572 142.7802414 | Cadna-owie – Hooray Aquifer (Flinders /Flinders 2) | Within 50km of Flinders River Spring Group | A10 (b & a) | Critical Infrastructure Failure (Redrill & Plug) & Controlled Water System (Piping) | N | 39 | 28 | 12.9 | 1.7 | - # | 219 | 66 | 153 | 26000 ** | 30 April 2017 | 549,693 | 188,308 | 173,077 | 188,308 | 1,720 | Low | |
| # There is no double counting of previously claimed water savings in this figure. The 135 ML/annum originally claimed for the headworks fitted to bore RN17366 in the 2002/2003 year has been deducted from the difference in the Discharge prior and Discharge after. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | 31 | Clover Lake | -27.752057083 146.260341632 | Cadna-owie – Hooray Aquifer (Warrego East / Warrego East 3) | n/a | A10 (b & a) | Critical Infrastructure Failure (Redrill & Plug) & Controlled Watering System (Piping) | Y | 11 | 28 | 38.1 | 5.1 | 356 # | 640 | 498 | 498 | 20000 ** | 30 April 2017 | 380,858 | 139,545 | 101,768 | 139,545 | 280 | Low | |
| # There is no double counting of previously claimed water savings in this figure. The 45 ML/annum originally claimed for the headworks fitted to bore RN31 in the 1997/1998 year has been deducted from the difference in the Discharge prior and Discharge after. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Partnerships | Develop partnerships between the Government and eligible Landholders | QLD section of the GAB | n/a | n/a | A10(e) | Partnerships (through: - selection/ ranking; - agreement on bilateral schedule by 30 September 2016; - inspection of agreed projects; - data collection; and, -final program reporting) | <p><u>This project is a non-infrastructure project</u>; however, this project is absolutely essential to the development, delivery, and quality of the infrastructure projects listed in this Table. This is why this non-infrastructure project has been listed at priority ranking 5. Eligible landholders are spread across regional and remote Queensland, from Normanton in the Gulf to Birdsville in the Southwest, and East to Goondiwindi, and inspections and compliance monitoring is costly. Despite this, these inspections are essential to ensure the quality of work rolled out under the program. The Project Agreement for the GABSI Phase 4 acknowledges the need for these projects with an overarching policy objective to <u>develop partnerships between</u> government, and the community in the sustainable management and use of groundwater resources of the Basin, both within and across State borders.</p> | | | | | | | | | | 30 April 2017 | 170,598 | 85,299 | nil | 85,299 | n/a | Low | |
| 6. | 3705 # | Millungera | -19.869865912 142.049496592 | Gilbert River Aquifer (Carpentaria/ Carpentaria 2) | Within 50km of Flinders River Spring Group | A10 (a) | Controlled Watering System (Piping) | Y | 33 | 22 | 11.0 | 2.2 | - | 278 | 139 | 139 | 11000 ** | 30 April 2017 | 190,051 | 41,800 | 106,451 | 41,800 | 301 | Low | |
| # This bore was rehabilitated (redrill & plug) under the GABSI in 1999-2000. New bore RN93497. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | 3715 | Millungera | -19.9054882 141.9785477 | Gilbert River Aquifer (Carpentaria/ Carpentaria 2) | Within 50km of Flinders River Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 40.1 | 26.7 | 422 | - | 211 | 211 | 11000 ** | 30 April 2017 | 277,612 | 111,045 | 55,522 | 111,045 | 526 | Low | |

Table continues on page 5...

Table continues from page 4...

| List Number | Project ID | Project Name | Project location (lat, long) and shown on attached map | GABSI 4 target aquifer (GMA/ GMU) | Name of and proximity to (km) high value Basin dependent spring/s | Type of activity A10(a) to (f) | Activity description | Meter or bore pressure device (Y/N) | Estimated piping - controlled watering system (km) | Estimated open bore drain replaced / shut-down (km) | Discharge prior (L/s) | Discharge after (L/s) | Proposed water saving (ML/year) | | Proposed water saving in relation to state Water Resource Plan (ML/year) | | | Completion date | Total estimated cost (\$) | Proposed GABSI funding contribution (\$) | | | \$ of Govt funding per ML/year saved | Risk (low, medium, high) |
|--|-------------|------------------|--|--|---|--------------------------------|---|-------------------------------------|--|---|-----------------------|-----------------------|---|---|---|---|---|-----------------|---------------------------|--|--------------------------|----------|--------------------------------------|--------------------------|
| | | | | | | | | | | | | | Relating to control valve - as a result of changed management practices of the infrastructure | Relating to piping - resulting from reduced system losses or fixing bore drain infrastructure | Maximum water savings potentially available to be reallocated to consumptive purposes from the target aquifer | Water savings not to be reallocated to consumptive purposes from the target aquifer | Water Resource Plan estimated consumptive pool for the target aquifer (within the GMA) prior to water savings | | | By state | By 3 rd party | By Cwlth | | |
| 8. | 4301 # | Leichhardt Farms | -23.100398482 145.083373695 | Hutton Sandstone (Barcaldine West/ Barcaldine West 4) | Within 50km of Barcaldine Spring Group | A10 (a) | Controlled Watering System (Piping) | Y | 24 | 36 | 6.1 | 1.2 | - | 154 | 77 | 77 | 11000 ** | 30 April 2017 | 148,275 | 44,483 | 59,309 | 44,483 | 578 | Low |
| # This bore was rehabilitated (redrill & plug) under the GABSI in 2013-2014. New bore RN163092. | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | 120 | Pigurra Trust | -25.08436551 145.5016361 | Hutton Sandstone (Warrego East/ Warrego East 5) | Within 50km of Barcaldine Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 14.6 | 1.9 | 400 | - | 200 | 200 | 500 ** | 30 April 2017 | 452,368 | 180,947 | 90,474 | 180,947 | 905 | Low |
| 10. | 3708 | Millungera | -19.8675721 141.5880379 | Gilbert River Aquifer (Carpentaria/ Carpentaria 2) | Within 50km of Flinders River Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) & Controlled Watering System (Piping) | Y | 22 | 9 | 10 | 1.3 | 105 | 169 | 137 | 137 | 11000 ** | 30 April 2017 | 517,827 | 131,460 | 254,907 | 131,460 | 960 | Low |
| 11. | 1615 & 7356 | Boodgherree # | -28.575383793 143.958408463 & -28.581322958 143.852341744 | Cadna-owie – Hooray Aquifer (Central/ Central 3) | Within 50km of Bourke & Eulo Springs Group | A10 (a) | Rehabilitation (Redrill & Plug) & Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 24 | 15.9 | 253 | - | 126.5 | 126.5 | 2000 ** | 30 April 2017 | 316,103 | 126,441 | 63,221 | 126,441 | 1,000 | Low |
| # This property based project will see 2x bores rehabilitated on the property Boodgherree. A new replacement bore will be drilled for each respective bore, and the old bores will be cement grout plugged. The cumulative bore flow and associated water savings are shown for this property based project. | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. | 1821 | Werai Park | -28.602901497 144.925090128 | Cadna-owie – Hooray Aquifer (Warrego East/ Warrego East 3) | Within 50km of Bourke & Eulo Springs Group | A10 (a) | Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 7.1 | 4.7 | 75 | - | 37.5 | 37.5 | 20000 ** | 30 April 2017 | 154,134 | 61,654 | 30,826 | 61,654 | 1,644 | Low |
| 13. | 3714 | Millungera | -19.7091605 141.7391534 | Gilbert River Aquifer (Carpentaria/ Carpentaria 2) | Within 50km of Flinders River Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 5.1 | 0.7 | 141 | - | 70.5 | 70.5 | 11000 ** | 30 April 2017 | 289,992 | 115,997 | 57,998 | 115,997 | 1,645 | Low |
| 14. | 4553 | Blue Lakes | -28.867621626 145.06007789 | Cadna-owie – Hooray Aquifer (Warrego East/ Warrego East 3) | Within 50km of Bourke & Eulo Springs Group | A10 (a) | Rehabilitation (Redrill & Plug) & Controlled Watering System (Piping) | Y | 19 | 10 | 5.6 | 0.7 | 59 | 95 | 77 | 77 | 20000 ** | 30 April 2017 | 399,422 | 149,106 | 101,210 | 149,106 | 1,936 | Low |
| 15. | 2460 | Carrum | -20.835421025 141.698673123 | Cadna-owie – Hooray Aquifer (Flinders /Flinders 2) | Within 50km of Flinders River Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) & Controlled Watering System (Piping) | Y | 4 | 5 | 1.3 | 0.2 | 14 | 22 | 18 | 18 | 26000 ** | 30 April 2017 | 192,963 | 70,086 | 52,791 | 70,086 | 3,894 | Low |
| 16. | 12580 | Barrygowan | -28.973785982 146.336800222 | Cadna-owie – Hooray Aquifer (Warrego East/ Warrego East 3) | Within 50km of Bourke & Eulo Springs Group | A10 (a) | Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 1.3 | 0.2 | 35 | - | 17.5 | 17.5 | 20000 ** | 30 April 2017 | 258,583 | 73,588 | 111,407 | 73,588 | 4,205 | Low |
| 17. | 2042 | Millie | -27.345667802 146.169227854 | Cadna-owie – Hooray Aquifer (Warrego East/ Warrego East 3) | Within 50km of Bourke & Eulo Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 4.4 | 2.9 | 46 | - | 23 | 23 | 20000 ** | 30 April 2017 | 248,721 | 96,715 | 55,291 | 96,715 | 4,205 | Low |
| 18. | 1104 | Alice Downs | -24.18150603 145.429488895 | Hutton Sandstone (Barcaldine South / Barcaldine South 4) | Within 50km of Barcaldine Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 6.7 | 4.5 | 71 | - | 35.5 | 35.5 | 4000 ** | 30 April 2017 | 406,852 | 162,741 | 81,370 | 162,741 | 4,584 # | Low |
| # This bore is 989 metres deep. As a result the cost to drill a new replacement bore and plug the old bore is significant when compared to shallow bores. Therefore, this higher cost increases the \$Govt per ML/annum saved. | | | | | | | | | | | | | | | | | | | | | | | | |

Table continues on page 6...

Table continues from page 5...

| List Number | Project ID | Project Name | Project location (lat, long) and shown on attached map | GABSI 4 target aquifer (GMA/ GMU) | Name of and proximity to (km) high value Basin dependent spring/s | Type of activity A10(a) to (f) | Activity description | Meter or bore pressure device (Y/N) | Estimated piping - controlled watering system (km) | Estimated open bore drain replaced / shut-down (km) | Discharge prior (L/s) | Discharge after (L/s) | Proposed water saving (ML/year) | | Proposed water saving in relation to state Water Resource Plan (ML/year) | | | Completion date | Total estimated cost (\$) | Proposed GABSI funding contribution (\$) | | | \$ of Govt funding per ML/year saved | Risk (low, medium, high) | | |
|---|--------------------|---------------|--|--|---|--------------------------------|---|-------------------------------------|--|---|-----------------------|-----------------------|---|---|---|---|---|----------------------|---------------------------|--|--------------------------|------------------|--------------------------------------|--------------------------|--|--|
| | | | | | | | | | | | | | Relating to control valve - as a result of changed management practices of the infrastructure | Relating to piping - resulting from reduced system losses or fixing bore drain infrastructure | Maximum water savings potentially available to be reallocated to consumptive purposes from the target aquifer | Water savings not to be reallocated to consumptive purposes from the target aquifer | Water Resource Plan estimated consumptive pool for the target aquifer (within the GMA) prior to water savings | | | By state | By 3 rd party | By Cwith | | | | |
| 19. | 51760 | Bunda Bunda | -19.7475348 142.1086064 | Gilbert River Aquifer (Carpentaria/ Carpentaria 2) | Within 50km of Flinders River Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) | N | n/a | n/a | 28 | 3.8 | 763 | - | 229 | 534 | 11000 ** | 30 April 2017 | 225,191 | 90,076 | 45,039 | 90,076 | 236 | Low | | |
| 20. | 51552 | Bunda Bunda | -19.848387 142.2121979 | Gilbert River Aquifer (Carpentaria/ Carpentaria 2) | Within 50km of Flinders River Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) | N | n/a | n/a | 22.3 | 3 | 610 | - | 183 | 427 | 11000 ** | 30 April 2017 | 222,248 | 88,899 | 44,450 | 88,899 | 291 | Low | | |
| 21. | 69060 | Bunda Bunda | -19.9240704 142.1248125 | Gilbert River Aquifer (Carpentaria/ Carpentaria 2) | Within 50km of Flinders River Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) | N | n/a | n/a | 14.4 | 1.9 | 392 | - | 118 | 274 | 11000 ** | 30 April 2017 | 229,242 | 91,697 | 45,848 | 91,697 | 468 | Low | | |
| 22. | 3540 & 3541 & 3542 | Oxton Downs # | -20.545421548 141.934501459 & -20.629310094 141.995889809 & -20.641532208 141.98811216 | Cadna-owie – Hooray Aquifer (Flinders /Flinders 2) | Within 50km of Flinders River Spring Group | A10 (a) | Rehabilitation (Redrill & Plug) & Controlled Watering System (Piping) & Rehabilitation (Plug) & Rehabilitation (Redrill & Plug) & Controlled Watering System (Piping) | N | 34 | 23 | 25.4 | 3.2 | 299 | 402 | 210 | 491 | 26000 ** | 30 April 2017 | 512,566 | 181,600 | 149,366 | 181,600 | 518 | Low | | |
| | | | # This property based project will see 2 new bores drilled on the property, 3 bores cement grout plugged, and the associated bore drains replaced with piping on Oxton Downs. The cumulative bore flow and associated water savings are shown for this property based project. | | | | | | | | | | | | | | | | | | | | | | | |
| 23. | 166 # | Yanborra | -20.552087108 142.431716875 | Cadna-owie – Hooray Aquifer (Flinders /Flinders 2) | n/a | A10 (a) | Controlled Watering System (Piping) | Y | 21 | 15 | 24.6 | 4.9 | - | 620 | 310 | 310 | 26000 ** | 30 April 2017 | 158,955 | 28,500 | 101,955 | 28,500 | 92 | Low | | |
| # This bore was rehabilitated (redrill & plug) under the GABSI in 2002-2003. New bore RN118054. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24. | 69400 | Benean | -20.875135064 143.236435735 | Hutton Sandstone (Flinders/ Flinders 4) | n/a | A10 (a) | Rehabilitation (Redrill & Plug) | Y | n/a | n/a | 13.5 | 1.8 | 368 | - | 184 | 184 | 15000 ** | 30 April 2017 | 222,453 | 88,981 | 44,491 | 88,981 | 484 | Low | | |
| 25. | 4193 | Rolling Downs | -20.680195 143.4364192 | Cadna-owie – Hooray Aquifer (Flinders /Flinders 2) | n/a | A10 (a) | Rehabilitation (Redrill & Plug) & Controlled Watering System (Piping) | Y | 20 | 6 | 7.3 | 1 | 77 | 123 | 100 | 100 | 26000 ** | 30 April 2017 | 170,185 | 58,660 | 52,865 | 58,660 | 587 | Low | | |
| 26. | 3668 # | Bundoran | -20.8121902 142.551113 | Hutton Sandstone (Flinders/ Flinders 4) | n/a | A10 (a) | Controlled Watering System (Piping) | N | 61 | 61 | 13.4 | 2.7 | - | 338 | 101 | 237 | 15000 | 30 April 2017 | 284,313 | 85,294 | 113,725 | 85,294 | 505 | Low | | |
| # This bore was rehabilitated (redrill & plug) under the GABSI in 2007-2008. New bore RN118981. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27. | 1445 | Antrim | -21.67707254 144.385594358 | Moolayember Formation (Barcaldine West/ Barcaldine West 5) | n/a | A10 (a) | Rehabilitation (Redrill & Plug) & Controlled Watering System (Piping) | N | 15 | 16 | 4.5 | 0.6 | 47 | 75 | 37 | 85 | 1000 ** | 30 April 2017 | 479,350 | 167,746 | 143,858 | 167,746 | 2,750 | Low | | |
| TOTALS | | | | | | | | | 303 | 259 | | | 8 538 | | | | | 30 April 2017 | 8 440 130 | 3 085 298 | 2 269 534 | 3 085 298 | 703^^ | | | |

^^ Average of on ground works projects (list number 1 to 4, & 6 to 27).

** Estimate only, subject to review as part of the ten year review of the GAB WRP.

Definitions:

'Rehabilitation (Redrill & Plug)': a new replacement bore is drilled, and the uncontrolled bore is plugged. Queensland bore construction standards dictate that any new replacement bores are controlled i.e. the flow from the bore can be shut-down and/or regulated as required.

'Controlled Watering System (Piping)': the bore drain is permanently shut-down and replaced with pipelines to tanks and troughs. The tanks and troughs have float valves which shut-off the flow from the bore once the water demand (e.g. stock drinking or domestic use) is met.

'Rehabilitation (Plug)': the uncontrolled bore is filled with cement grout, sealing off the flow permanently.

Table 4 – Additional Information – Process used to prioritise infrastructure projects

| Project Agreement Clause | Description |
|---|--|
| <p>A3 (d): a description of the selection process for each project, including the method by which the voluntary interest of eligible third parties for assistance under the Program has been called for and assessed;</p> | <p><u>Calling for voluntary interest:</u> It is estimated that there are 378 bores in Queensland which may be eligible for government funding under GABSI Phase 4. These bores have been identified over the last 26 years under the GABSI and its predecessor programs, through interrogation of the Departments Groundwater Database, through department bore inspections, through department licencing of water bores, through numerous processes involving the Department seeking expressions of interest from landholders, etc. The Department undertook a mail out to each of the 236 licensees of these bores. The mail out included a letter describing the GABSI Phase 4 funding arrangements, eligibility requirements, the process for an eligible landholder to make a submission, and how landholder submissions would be ranked and prioritised. With regard to clause A8 of the <i>Project Agreement for the Great Artesian Basin Sustainability Initiative (Phase 4)</i>, landholders were also notified in the letter that projects which included the monitoring of bore pressure would be given priority funding.</p> <p><u>Project selection:</u></p> <ol style="list-style-type: none"> 1. Only projects which met the Project Eligibility Criteria under clause A10 of the <i>Project Agreement for the Great Artesian Basin Sustainability Initiative (Phase 4)</i> were accepted and considered. 2. The following selection criteria and weightings were adopted to rank eligible projects: <ul style="list-style-type: none"> • <i>Value for money (60% weighting):</i> The eligible projects were ranked according to government value for money, with the best project receiving the full 60% weighting and the least receiving no weighting under this criterion. All projects in between received a proportioned weighting based on their value for money. • <i>Benefit to springs (30% weighting):</i> Projects which were less than or equal to 50 kilometres from a designated spring, or the project could be proven through hydrological assessment to benefit the spring, also received this full 30% weighting. All projects which did not benefit springs received no weighting under this criterion. • <i>Monitoring (10% weighting):</i> Projects which a landholder nominated to monitor bore pressure or meter their water usage according to department requirements, also received this full 10% weighting. All projects which did not include bore pressure monitoring or water metering received no weighting under this criterion. 3. The sum of the weighted scores against each of the selection criteria determined the final ranking for projects. The higher the score the higher the priority. 4. Critical infrastructure failures were given precedence of funding to ensure earlier water savings that have been achieved, continued to be realised. 5. Thirty eight projects were submitted to Queensland for consideration and ranking. The projects were ranked in accordance with the process shown at point 2 above. 6. Of the thirty eight projects submitted, the twenty seven projects shown in table 3 were jointly agreed by the Commonwealth and Queensland governments recognising the good value for money represented by these projects. |
| <p>A3 (e): a description of the methods adopted to design and implement each project and, where necessary, justification for the particular approach taken</p> | <ul style="list-style-type: none"> • All <u>proposed</u> projects which involve the rehabilitation or replacement of uncontrolled flowing bores have been certified by a Queensland licenced class 3 driller. The Queensland licenced class 3 driller has certified that the requirements of the <i>Minimum standards for the construction and reconditioning of water bores that intersect the sediments of artesian basins in Queensland</i> (the Standard) have been met. • All <u>approved</u> projects which involve the rehabilitation or replacement of uncontrolled flowing bores will be completed and certified by a Queensland licenced class 3 driller. The Queensland licenced class 3 driller will certify that the work completed meets the Standard. • The Standard applies to water bores that access either artesian or sub artesian water from the Great Artesian Basin (GAB). The standards acknowledge that pressure loss is a significant issue in the GAB, and they ensure that rehabilitated or new replacement bores don't contribute to this problem. • All <u>proposed</u> projects which involve the replacement of bore drains with controlled piping systems have been certified by a registered professional engineer of Queensland (RPEQ). The RPEQ has certified that: <ul style="list-style-type: none"> ▪ the piping system has been designed and will be constructed in accordance with the Departments Guidelines, or that they meet another appropriate industry standard; ▪ the materials to be used have a 50 year design life, excluding tanks and troughing; and, ▪ the tanks and or troughing have a 20 year design life. • All <u>approved</u> projects which involve the replacement of bore drains with controlled piping systems will be certified by a registered professional engineer of Queensland (RPEQ). The RPEQ will certify that: <ul style="list-style-type: none"> ▪ the piping system has been constructed in accordance with the Departments Guidelines, or that they meet another appropriate industry standard; ▪ the materials used have a 50 year design life, excluding tanks and troughing; and, ▪ the tanks and or troughing used have a 20 year design life. • An RPEQ is recognised under the <i>Professional Engineers Act 2000</i> to be a qualified and competent engineer. The registration system ensures a high standard of engineering practice exists within Queensland. • Queensland has adopted the above methods to ensure a high standard of work is delivered under the program. |

