

New South Wales Implementation Plan for the Great Artesian Basin Sustainability Initiative

Phase 3 - 2013-2014

NATIONAL PARTNERSHIP AGREEMENT ON THE GREAT ARTESIAN BASIN SUSTAINABILITY INITIATIVE

Part 1: Preliminaries

1. This Implementation Plan is a schedule to the National Partnership Agreement on the Great Artesian Basin Sustainability Initiative and should be read in conjunction with that Agreement. The objective in the National Partnership is for the Parties to aspire to a sustainable and on-going groundwater management system for the Great Artesian Basin.
2. The Commonwealth has agreed to provide up to \$30 million to New South Wales (the State) under the third phase of the Great Artesian Basin Sustainability Initiative (the Program) to assist in the capping and piping of all Great Artesian Basin bores legally operating in an uncontrolled state and related activities (Projects). In achieving this objective the State has agreed to:
 - a) ensure to the fullest extent possible that at least 70 per cent of the water saved under the Great Artesian Basin Sustainability Initiative will be directed to restoring pressure in the Basin and not be reallocated for consumptive purposes; and
 - b) ensure that funding will not be used for increasing the watered area of a property. The watered area of a property will be determined by the application of a formula described in the Projects Submission to the current network of open bore drains.

Part 2: Terms of this Implementation Plan

3. This Implementation Plan will commence as soon as it is agreed between the State of New South Wales, represented by the Minister for Primary Industries, and the Commonwealth of Australia represented by the Minister for Sustainability, Environment, Water, Population and Communities, or relevant Ministers with portfolio responsibilities for the Great Artesian Basin.
4. As a schedule to the National Partnership Agreement on the Great Artesian Basin Sustainability Initiative, the purpose of this Implementation Plan is to provide the public with an indication of how the projects are intended to be delivered and demonstrate New South Wales's capacity to achieve the outcomes of the National Partnership.
5. This Implementation Plan will cease on completion or termination of the National Partnership or acceptance of a subsequent Implementation Plan.
6. This Implementation Plan may be varied by written agreement between the Commonwealth and State Ministers, [in accordance with clause 11 of the National Partnership](#).

7. The Parties to this Implementation Plan do not intend any of the provisions to be legally enforceable. However, that does not lessen the Parties' commitment to the plan and its full implementation.

Part 3: Strategy for New South Wales implementation

Project information

8. The Project elements planned include:
- design works;
 - reconditioning or repair of existing bore;
 - capping of existing bore;
 - drilling of new bore and plugging of old bore;
 - installation of water delivery infrastructure (such as piping, relief valves, tanks and troughs); and
 - project management, monitoring and reporting.
9. The number and location of proposed carry over Projects from 2009 –2010 and 2011-2012, 2012-2013 and new Projects and are summarised in Table 1.

Table 1: Proposed Projects

Zone	Central	Surat	Warrego	Management Monitoring and Reporting (State-wide)	TOTAL
Number of Proposed Projects	1	12	4	2	19

Estimated costs

10. Having completed an assessment of the proposed Projects in accordance with the Assessment Guidelines and Project Eligibility Criteria contained in Schedule A to the National Partnership, the Commonwealth will provide a maximum financial contribution of \$6,372,129 to the State for Projects. All payments are exclusive of GST.
11. The estimated overall budgets are set out in Table 2. The budget is indicative only and the State retains the flexibility to move funds between components, as long as outcomes are not affected. The Commonwealth contribution can only be moved between years with the agreement of the Commonwealth.

Table 2: Estimated financial contributions – 2013-14

	Central	Surat	Warrego	Management	TOTAL
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	\$	\$	\$	Monitoring and Reporting (State-wide) \$	\$
Total estimated budget:					
2009-10 projects (brought forward)			173,829		173,829
2010-11 projects (brought forward)					
2011-12 projects (brought forward)	309,712				309,712
2012-13 projects (brought forward)		2,707,302	293,014	466,668	3,466,984
2013-14 projects		13,343,978	2,700,172	402,227	16,446,377
Total estimated budget	309,712	16,051,280	3,167,015	868,895	20,396,902
less estimated Commonwealth contributions:					
2009-10 projects (brought forward)			86,914		86,914
2010-11 projects (brought forward)					
2011-12 projects (brought forward)	154,856				154,856
2012-13 projects (brought forward)		1,353,651	146,507	233,334	1,733,492
2013-14 projects		3,254,599	941,154	201,114	4,396,867
Total estimated Commonwealth contributions	154,856	4,608,250	1,174,575	434,448	6,372,129
<i>equals</i> estimated balance of non-Commonwealth contributions	154,856	11,443,030	1,992,440	434,447	14,024,772

Program logic

12. The Projects will achieve the outcomes and objectives set out in the National Partnership by:
- a) achieving water savings and contributing towards pressure recovery in the Great Artesian Basin through the replacement of old bores legally operating in an uncontrolled state and the replacement of legally operating bore drains with an efficient, controlled water reticulation system; and
 - b) promoting sustainable water and land management practices through the education and training of participating landholders in the operation and maintenance of the proposed infrastructure.

Risk management

13. A risk management plan is in place. Risks have been actively identified, entered into a risk log and categorised in terms of impact and likelihood.

Relevant State Context

14. The Parties have agreed to details of specific Projects and the methodology by which eligibility criteria and specific performance benchmarks have been determined, having due regard to relevant State considerations, but such details and methodology do not form part of this Implementation Plan

15. In developing this Implementation Plan consideration has been given to:

- a) the New South Wales Water Resource (Great Artesian Basin) Plan 2006;
- b) protection of New South Wales Great Artesian Basin springs;
- c) protection of water remote areas in New South Wales.

Part 4: Performance and reporting arrangements

Milestones

16. To qualify for the associated payment, the State must meet the milestones set out in Table 3.

Table 3: Milestones

Milestone Number	Milestone	Due Date	Payment
1	Satisfactory assessment by the Commonwealth of new Project proposals	Within 60 days of Commonwealth Minister's agreement	Up to 2,749,042.34
2	An authorised New South Wales official certifies that the midpoint of a specified Project, as defined in Schedule 1 has been achieved	By 21 March 2014, subject to such certification being made by the authorised official by 7 February 2014.	Up to \$823,912.33 for new Projects and up to \$1,975,262 for previously agreed Projects (brought forward) specified in the Projects Submission.
3	An authorised New South Wales official certifies that a	By 13 June 2014, subject to such certification being made by	Up to \$823,912.33 for new Projects and up to \$1,975,262 for previously agreed

	specified Project, as defined in Schedule 1 has been completed	the authorised official by 30 May 2013.	Projects (brought forward) specified in the Projects Submission. .
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Sign off

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

Signature
[By State Minister]



Date 25 October 2013



Signature
[By Commonwealth Minister]

Date 12/6/14

Sign off

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

Signature

Date

[By State Minister]

Signature

Date

[By Commonwealth Minister]

2013-14 Table 1a: GAB - Infrastructure projects (excluding springs)

New Projects

Project	Project Name	Zone	Property	Old Bore Name	Old Bore ID	Lat.	Long.	GWM Zone	Priority	Original Discharge (L/s)	Original Pressure (m)	1990 Free Flow (L/s)	1990 Pressure (m)	Design Flow (KL/day)	Estimated Water Saved (ML/yr)	Estimated Drain Shutdown (km)	Estimated Piping (km)	Will bore piping extend outside the geographic boundaries of the current watered area (Y/N)	If so, have measures been implemented to protect water remote areas (Y/N/NA)	Logged Inter-aquifer leakage (Y/N)	Activity 1	Estimated Financial Year for Completion	Estimated Milestones to be completed in 2013-2014	Total Planned GABSI funding NSW	Total Planned GABSI funding C'wealth	Planned GABSI funding C'wealth 2013-2014	Total Estimated Landholder Contribution	Critical Infrastructure Failure (Y/N) ###	Estimated \$ of government funding per ML/yr of water saved	Total Project Cost	Notes
40	Marlow	East Surat		Marlow No1	GW4342			Surat	medium	12	8.4	2.5	2	10	63	2	0	N	n/a	N	1,4	2013/14	Milestone 1: Funding agreement signed Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Completion of Pipeline.	\$ 64,321	\$ 64,321	\$ 64,321	\$ 32,161	N	\$ 2,042	\$ 160,803	Bore reconditioning only
41	Curumbah	East Surat		Curumbah No1	GW4175			Surat	medium	44	19	7	4	35	120	3	0	N	n/a	N	1,5	2013/14	Milestone 1: Funding agreement signed Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Completion of Pipeline.	\$ 146,232	\$ 146,232	\$ 146,232	\$ 73,116	N	\$ 2,437	\$ 365,580	Bore replacement only
42	Avondale	Warrego		Avondale No.3	GW29101				high	3.7	??	2.9	2	30	83	2	10	N	n/a	N	1,2,5,7	2013/14	Milestone 1: Funding agreement signed Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Completion of Pipeline.	\$ 122,094	\$ 122,094	\$ 122,094	\$ 115,813	N	\$ 2,942	\$ 360,001	
43	Collymogle	East Surat		Collymogle No1	GW4106			Surat	high	47.8	27	17.2	9	311	477	95	124	N	N/A	N	1,2,5,7	2013/14	Milestone 1: Funding agreement signed Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Completion of Pipeline.	\$ 521,171	\$ 521,171	\$ 521,171	\$ 1,031,913	N	\$ 2,185	\$ 2,074,255	
44	Mallowa	East Surat		Neargo No2 Neargo No1 Narba Mungyer Oreel No.2	GW5594 GW4385 GW4405 GW4378 GW4432			Surat Surat Surat Surat	high high high high	36.4 42.5 31 45.5 62.5	25.3 79 33 71.7 40	30.8 17.1 9.1 14 18.7	20 13 9 8 16.8	1721	2418	366	588	N	n/a	N	1,2,4,5,7	2013/14	Milestone 1: Funding agreement signed Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Completion of Pipeline.	\$ 1,925,130	\$ 1,925,130	\$ 1,925,130	\$ 4,471,436	N	\$ 1,592	\$ 8,321,696	This project combines 4 adjacent Bore Trusts and is integrated with a another government funded project aimed at saving surfece water for environmental purposes. This project is being constructed by the NSW government under NSW procurement requirements.
45	O'briens	West Surat		O'briens	GW14488			Surat	medium	19.9	76	8	30.6	126	217	23	21	N	n/a	N	1,2,4,7	2013/14	Milestone 1: Funding agreement signed Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Completion of Pipeline.	\$ 83,069	\$ 83,069	\$ 83,069	\$ 154,200	N	\$ 766	\$ 320,338	
46	Youendah	East Surat		Youendah	GW4644			Surat	medium	41.9		11.5		448	240	32.0	118	N	n/a	N	1,2,5,7	2013/14	Milestone 1: Funding agreement signed Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Completion of Pipeline.	\$ 514,676	\$ 514,676	\$ 514,676	\$ 1,071,954	N	\$ 4,289	\$ 2,101,306	
(Total)										387		139		2,681	3,618	523	861							\$ 3,376,693	\$ 3,376,693	\$ 3,376,693	\$ 6,950,593			\$ 13,703,979	

Legend

- 1. Project Management
- 2. Design
- 3. Cap only
- 4. Bore Rehabilitation*
- 5. Redrill & Plug
- 6. Plug only

- 7. Pipe**
- 8. Drill Only

* Bore Rehabilitation means recondition or repair of existing bore.

** Pipe means water delivery infrastructure such as piping, relief valves, tanks and troughs

*** Identify which activity approximates the mid-point of the Project

**** A Water savings target is not required for Critical Infrastructure Projects

2013-14 Table 1a: GAB - Infrastructure projects (excluding springs)

Previously agreed Projects being carried forward

Project	Project Name	Zone	Property	Old Bore Name	Old Bore ID	Lat.	Long.	GWM Zone	Priority	Original Discharge (L/s)	Original Pressure (m)	1990 Free Flow (L/s)	1990 Pressure (m)	Design Flow (kL/day)	Estimated Water Saved (ML/yr)	Estimated Drain Shutdown (km)	Estimated Piping (km)	Will bore piping extend outside the geographic boundaries of the current watered area (Y/N)	If so, have measures been implemented to protect water remote areas (Y/N/NA)	Logged inter-aquifer leakage (Y/N)	Activity 1	Estimated Financial Year for Completion	Estimated Milestones to be completed in 2013-2014	Carried forward GABSI funding NSW	Carried forward GABSI funding C'wealth	2013/14 Planned Expenditure carried forward GABSI funding C'wealth	Estimated Landholder Contribution	Critical Infrastructure Failure (Y/N) ###	Estimated \$ of government funding per ML/yr of water saved	Total Project Cost	Notes
1	Klondyke	Warrego	Klondyke Trading Co.	Klondyke No.1	10579	30.6515	143.716	Warrego	high	1.6	n.r.	0.52	n.r.	35	207	10	44	N	N/A	Y	4, 7	2013/14	Milestone 3: Certified completion of piping works	\$ 86,914	\$ 86,914	\$ 86,914	\$ 214,769	N	\$ 2,512	\$ 735,995	Piping installation on this project has been held up for several months due to flooding from local rain and from QLD runoff. Work is currently on hold until access and site conditions allow it to recommence. Work is expected to be completed during Summer 2011-12.
				Ram	13049	30.6237	143.686			1.25	n.r.	0.4	n.r.								4, 7										
				Jocks	10580	30.5974	143.793			2.5	n.r.	0.88	n.r.								4, 7										
				Klondyke No. 4	19977	30.6251	143.71			2.64	n.r.	0.52	n.r.								4, 7										
				Kiwi	14458	30.6318	143.78			1.2	n.r.	0.12	n.r.								4, 7										
				Middle	10804	30.5999	143.834			1.01	n.r.	0	n.r.								6										
				Mac's	10582	30.6162	143.733			3.9	n.r.	0.61	0.41								4, 7										
				Yantabangee	14316	30.5379	143.751			4.23	n.r.	2.4	n.r.								4, 7										
					11198	30.6637	143.684			4.67	n.r.	1.53	n.r.								4, 7										
					19488	30.6915	143.704			0	n.r.	0	n.r.								6										
19	Brindwilpa	Central	Brindwilpa	Brindwilpa No.1	4090	-29.873	142.433	Central	medium	3		2		17.9	58	8	33	N		N	1,2,5,7	2013/14	Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Certified Practical Completion of piping works.	\$ 154,856	\$ 154,856	\$ 154,856	\$ 185,827	N	\$ 7,981	\$ 495,539	
25	Morendah	Surat West		Morendah Wilby Wilby	GW4362 GW4613			Surat Surat	high high	28.1 17.5	42 28	12.26 7.43	14 8	435	502	83	147	N	n/a	N	1,2,5,7	2013/14	Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Certified Practical Completion of piping works.	\$ 437,910	\$ 437,910	\$ 437,910	\$ 1,015,080	N	\$ 1,745	\$ 1,890,900	
26	Polly Brewon	Surat East		Polly Brewon No1 Polly Brewon No3 Polly Brewon No4	GW4448 GW4493 GW8483			Surat Surat Surat	high high high	36.7 9.9 1.7	11 6 2	4.12 2.72 1.25	1 3 1	142.2	216	38	43.6	N	n/a	N	1,2,5,7	2013/14	Milestone 3: Certified Practical Completion of piping works.	\$ 151,019	\$ 151,019	\$ 151,019	\$ 629,587	N	\$ 1,398	\$ 931,625	
28	Uranbah	Surat East		Uranbah No1 Uranbah No2	GW4546 GW4564			Surat	high	47.3 24.4	216 230	6.85 7.28	? ?	567	290	70	160	N	n/a	N	1,2,5,7	2013/14	Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Certified Practical Completion of piping works.	\$ 424,084	\$ 424,084	\$ 424,084	\$ 1,289,103	N	\$ 2,925	\$ 2,137,271	
31	Loma	Surat East		Loma	GW4304			Surat	high	2.88	8	1.5	?	14.1	43	0	0.2	N	n/a	N	1,2,5,7	2013/14	Milestone 3: Certified Practical Completion of piping works.	\$ 35,915	\$ 35,915	\$ 35,915	\$ 78,545	N	\$ 1,670	\$ 150,375	This Bore ceased to flow in 1976. It has recommenced flowing in the last few years. Bore is in poor condition, uncontrollable and leaking below the surface. Flow is expected to increase over time.
32	Nullawa	Surat West		Nullawa Finger Post	GW4400 GW4190			Surat Surat	high high	26.6 5.9	94 110	12.3 2.6	22.5 28.3	310	382	51	118	N	n/a	N	1,2,5,7	2013/14	Milestone 3: Certified Practical Completion of piping works.	\$ 223,217	\$ 223,217	\$ 223,217	\$ 970,334	N	\$ 1,169	\$ 1,416,768	
33	Langboyd PWP	Surat West		Langboyd PWP	GW3543			Surat	high	25.9	99	5.9	9	118	153	27	24	N	n/a	N	1,2,4,7	2013/14	Milestone 3: Certified Practical Completion of piping works.	\$ 81,506	\$ 81,506	\$ 81,506	\$ 262,727	N	\$ 1,065	\$ 425,739	
(Total)										253		73		1,639	1,852	287	570							\$ 1,595,421	\$ 1,595,421	\$ 1,595,421	\$ 4,645,972			\$ 8,184,212	

Legend

- 1. Project Management
- 2. Design
- 3. Cap only
- 4. Bore Rehabilitation*
- 5. Redrill & plug
- 6. Plug only

- 7. Pipe**
- 8. Drill Only

* Bore Rehabilitation means recondition or repair of existing bore.

** Pipe means water delivery infrastructure such as piping, relief valves, tanks and troughs

*** Identify which activity approximates the mid-point of the Project

**** A Water savings target is not required for Critical Infrastructure Projects

2013-14 Table 1b: GAB Springs - Infrastructure projects

Project	Project Name	Zone	Property Name	Old Bore Name	Old Bore ID	Lat.	Long.	GWM Zone	Priority	Original Discharge (L/s)	Original Pressure (m)	1990 Free Flow (L/s)	1990 Pressure (m)	Design Flow (kL/day)	Estimated Water Saved (ML/yr)	Estimated Drain Shutdown (km)	Estimated Piping (km)	Will bore piping extend outside the geographic boundaries of the current watered area (Y/N)	If so, have measures been implemented to protect water remote areas (Y/N/NA)	Logged Inter-aquifer leakage (Y/N)	Activity ¹	Estimated Financial Year for Completion	Estimated Milestones to be completed in 2013-2014	Total Planned GABSI funding NSW	Total Planned GABSI funding C'wealth	Planned GABSI funding C'wealth 2013-2014	Total Estimated Landholder Contribution	Critical Infrastructure Failure (Y/N) ###	Estimated \$ of government funding per ML/yr of water saved	Total Project Cost \$	Notes
47	Thurmylae	Warrego		Lila No3 Egan Lila No6 Thurmylae Wiree New Eureka Gurerra No.2	GW4296 GW21040 GW4341 GW4499 GW22754 GW8540 GW4258			Warrego Warrego Warrego Warrego Warrego Warrego	high high high high high high	13.8 3.7 1 2.7 10.8 4.7 22.3	17 3.1 1 33 14 18.6 56.2	6.2 3.1 1 0.6 12.5 2.4 5.38	5 15 27 10 15 8.5 14.3	176	904	36	63	N	n/a	N	1,2,4,7	2013/14	Milestone 1: Formal funding agreements with landholder(s) signed. Milestone 2: Construction Contracts signed and all pipes delivered onsite. Milestone 3: Completion of pipeline	\$ 819,060	\$ 819,060	\$ 819,060	\$ 702,051	N	\$ 1,812	\$ 2,340,171	This project targets several bores on 3 properties and will increase GAB pressure at 35 GAB springs.
(Total)										59	31	31	7	176	904	36	63							\$ 819,060	\$ 819,060	\$ 819,060	\$ 702,051		\$ 1,812	\$ 2,340,171	

Legend

- | | |
|-------------------------|--|
| 1. Project Management | 7. Pipe*** |
| 2. Design | 8. Drill Only |
| 3. Cap only | * Bore Rehabilitation means recondition or repair of existing bore. |
| 4. Bore Rehabilitation* | ** Pipe means water delivery infrastructure such as piping, relief valves, tanks and troughs |
| 5. Redrill & Plug | *** Identify which activity approximates the mid-point of the Project |
| 6. Plug only | **** A Water savings target is not required for Critical Infrastructure Projects |

2013-14 Table 1b: GAB Springs - Infrastructure projects

Previously agreed Projects being carried forward

Project	Project Name	Zone	Property Name	Old Bore Name	Old Bore ID	Lat.	Long.	GWM Zone	Priority	Original Discharge (L/s)	Original Pressure (m)	1990 Free Flow (L/s)	1990 Pressure (m)	Design Flow (kL/day)	Estimated Water Saved (ML/yr)	Estimated Drain Shutdown (km)	Estimated Piping (km)	Will bore piping extend outside the geographic boundaries of the current watered area (Y/N)	If so, have measures been implemented to protect water remote areas (Y/N/NA)	Logged Inter-aquifer leakage (Y/N)	Activity ¹	Estimated Financial Year for Completion	Estimated Milestones to be completed in 2013-2014	Carried forward GABSI funding NSW	Carried forward GABSI funding C'wealth	2013/14 Planned Expenditure carried forward GABSI funding C'wealth	Estimated Landholder Contribution	Critical Infrastructure Failure (Y/N) ###	Estimated \$ of government funding per ML/yr of water saved	Total Project Cost \$	Notes
38	Wapweelah	Warrego		Wapweelah No3 Wapweelah No4	GW4592 GW4593			Warrego Warrego	high high	14 54.1	19 38	2.04 9.15	? 7	170	306	21	70	N	n/a	N	1,2,5,7	2013/14	Milestone 3: Certified Practical Completion of piping works.	\$ 146,507	\$ 146,507	\$ 146,507	\$ 99,333	N	\$ 958	\$ 392,347	Construction underway and should be complete by Dec. 2013.
(Total)										68	57	11	7	170	306	21	70							\$ 146,507	\$ 146,507	\$ 146,507	\$ 99,333		\$ 958	\$ 392,347	

Legend

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|-------------------------|--|
| 1. Project Management | 7. Pipe*** |
| 2. Design | 8. Drill Only |
| 3. Cap only | * Bore Rehabilitation means recondition or repair of existing bore. |
| 4. Bore Rehabilitation* | ** Pipe means water delivery infrastructure such as piping, relief valves, tanks and troughs |
| 5. Redrill & Plug | *** Identify which activity approximates the mid-point of the Project |
| 6. Plug only | **** A Water savings target is not required for Critical Infrastructure Projects |

2013-14 Table 1c: Proposed other projects

Project	Zone	Performance Target(s)	Proposed GABSI funding NSW \$	Proposed GABSI funding C'wealth \$	Estimated Financial Year for Completion
GABSI 2013/14 Program Management, Monitoring and Reporting	All	Milestone 3: Delivery of Report by 1st May 2014	\$ 201,114	\$ 201,114	2013-14
	<p>Sub-tasks</p> <p>Program management and coordination - overall coordination within NSW Office of Water and with other agencies such as Catchment Management Authorities, LHPA's, DECC, etc. and leadership of GABSI implementation in NSW. (E)</p> <p>Promotion and extension - including advertising, promotional literature, community engagement initiatives, etc. (A,C)</p> <p>Strategic input to and coordination with State and Commonwealth Ministerial advisory bodies. (C,E)</p> <p>Planning - coordination, investigation, planning and design of new project applications. Prioritisation and cost estimation for allocation of future GABSI funding. Providing advice and information to applicants. (A,E)</p> <p>Maintaining and improving internal systems, procedures and guidelines to ensure efficient delivery of GABSI program and to ensure high quality on-ground results. (F)</p> <p>Delivery of milestone reports and annual performance reports to the Australian government under the 2013/14 NSW Implementation Plan.(E)</p>				
TOTAL			\$ 201,114	\$ 201,114	

Legend

- A. Education and Extension
- B. Basin Monitoring Network (may wish to delete this clause if not applicable)
- C. Involvement of community in resourcing, development and implementation of projects
- D. Best practice infrastructure maintenance
- E. GABSI Program Mgt, Monitoring and Reporting
- F. Best practice design procedures and infrastructure standards

³ Where the payment milestone is required identify the Performance Target for the midpoint of the Project

2013-14 Table 1d: Additional Required Data

Process for Determining Voluntary interest	
<p>Details on selection and assessment process to determine eligible bore owners, for example only infrastructure constructed prior to prohibitive state legislation be considered</p>	<p>New applications have been sorted for 2013/14. The following criteria will be applied to determine eligible bores:</p> <ul style="list-style-type: none"> - Bores sunk pre 1965 (after this date all bores were required to install an enclosed pipe delivery system, as a licence condition). - Stock & domestic licenced bores only. <p>The following selection process will be adopted to obtain voluntary interest from eligible bores:</p> <ul style="list-style-type: none"> - A letter and Expression Of Interest (EOI) form sent to all landholders with an eligible bore, presenting the GABSI program, outlining its benefits and inviting them to return an EOI. - Landholders returning an EOI will be contacted to confirm correct data and EOI's will then be prioritised. Bores will be prioritised based on preliminary estimates of water savings and likely costs (\$ Grant/ML saved). High ranking EOI's will be invited to proceed with planning and design, based on cost estimates and available funding estimates. EOI's not invited to proceed with planning and design will be retained for reference for any future funding.
Selection Criteria Used to Determine Successful Applicants	
<p>Details on selection criteria:</p>	<p>Accepted EOI's will proceed with planning and production of a detailed project design and cost estimate. These will be ranked on the basis of estimated \$Grant/ML saved. This will be calculated using:</p> <ul style="list-style-type: none"> - a detailed hydraulic design, generated from computer modelling of pipelines and CAD plans, to produce accurate quantity/cost estimates based on recent prices for similiar materials and works. - estimates of water savings will be made by calculating the maximum design stock water demands, subtracted from the free flow of bores, prior to capping. These estimates will be expressed in annual figures. Estimates of water savings are expected to be conservative, as the demand assumptions are for maximum stocking rates and peak daily demands.
<p>If public funding is unlikely to be sufficient to cover all infrastructure, the proposed criteria for prioritisation of projects is to be provided, such as:</p>	
<p><i>a) The ratio of water saved per \$ of public funds expended</i></p>	<p>For new projects in 2013/14 the average amount of public funds per ML/yr of water saved is \$1,965 (\$/ML water saved)</p>
<p><i>b) An estimate of the projects impact of pressure recovery at a high value natural spring</i></p>	<p>No specific estimate of pressure recovery is currently available, however Project No.47 is predicted to increase GAB pressure levels by >1m at 35 identified GAB Springs.</p>

Funding Formulae Proposed	
<p>Identify the form and level of government funding provided to eligible bore owners to undertake approved activities.</p>	<p>Bore Works</p> <p>Each bore will be logged to assess whether or not it is suitable to be reconditioned.</p> <p>If a bore cannot be reconditioned, grant funding for eligible projects will be available for the cost of sinking a new bore, to equivalent depth of the old bore, up to a maximum of 80% (40% Commonwealth, 40% NSW). This grant level applies to replacement bores, bore logging, plugging old bores and headworks.</p> <p>If a bore can be reconditioned, grant funding for eligible projects will be available for the cost of rehabilitating the old bore, up to a maximum of 80% (40% Commonwealth, 40% NSW). This may be used for rehabilitating the old bore or to contribute towards the cost of a new bore.</p> <p>Piping Works</p> <p>Grant funding for eligible projects will be available for all other infrastructure as follows:</p> <p>Central Zone 70% (35% Commonwealth, 35% NSW) Warrego Zone 60% (30% Commonwealth, 30% NSW) Surat Zone (Western Lands Lease) 50% (25% Commonwealth, 25% NSW) Surat Zone 40% (20% Commonwealth, 20% NSW)</p> <p>An additional 10% grant funding (5% Commonwealth, 5% NSW) will also be offered across all zones to any bore identified as having >1m modelled pressure recovery impact on a GAB spring.</p> <p>NSW Office of Water hydrogeologists have conducted groundwater modelling to identify a list of bores that are expected to meet this criteria.</p> <p>The balance of costs will be met by cash contributions by landholders. No in-kind contributions made by landholders.</p>
<p>Identify if a bore owners contribution towards approved activities will be capped at the level existing at the time of commitment to contractual arrangements.</p>	<p>A cap will be placed on the level of grant funding for each Project at the time of a landholder's commitment to contractual arrangements for construction. This will be established by an Agreement between the NSW Office of Water and the landholder(s), specifying both an upper limit to the amount of grant money available and a date by which grant money must be spent.</p>
<p>Where forms of assistance differ between zones reasons are to be documented and transparent</p>	<p>The unique social, environmental and economic circumstances of the western regions of NSW have led to the adoption of increasing grant levels for piping works, through the western division of NSW.</p> <p>These varying grant levels are documented in the NSW Cap & Pipe the Bores Implementation Guidelines and in publicly available brochures and advertising.</p> <p>These grants levels for landholders remain the same as those adopted in NSW for GABSI 1 & 2. These levels were reviewed for GABSI 3 and submitted to the NSW GAB Ministerial Advisory Group for consideration.</p> <p>This group recommended these grant levels be continued and provided this advice to the NSW Minister for Water.</p>

Additional information	
<p>Description of the proposed methods to be used to design and implement projects, including a description of the standards and quality assurance processes it intends to implement to ensure maintenance of design quality and standards</p>	<ul style="list-style-type: none"> -Initial engagement and presentation of project processes, conditions and timeframes delivered by NSW Office of Water staff. -Property Management Planning offered to all participating landholders. PMP modules tailored to suit specific landholder requirements. This process will ensure optimal land and property management outcomes, as well as the design and implementation of efficient and effective water delivery infrastructure. -Projects facilitated, planned and designed by NSW Office of Water using qualified planners, engineers, surveyors etc. This process involves extensive landholder consultation, the gathering of field data using state of the art GPS survey and satellite imagery, hydraulic computer modelling, CAD drafting and designing. -All designs based on relevant Australian Standards for materials and work (eg. polyethylene pipe, pipelaying, polyethylene tanks, concrete, etc.) and where no relevant standard exists, best industry practice as determined by NSW Office of Water. -All designs signed off by a qualified engineer. -Final design and cost estimates produced - these projects will be prioritised annually for allocation of available grant funding. Projects offered grant funding will be asked to sign formal Agreement with NSW for limited amount of grant funding. -Pre-construction surveys are conducted to assess possible detrimental environmental or heritage impacts. These include a Review of Environmental Factors, which examines all relevant State and Commonwealth legislative requirements and ensures no significant environmental impact, and an Aboriginal Heritage survey which assess the possibility of disturbing any Aboriginal heritage relics in the landscape. These surveys are contracted to professionally qualified people. -Office of Water staff are also trained in Aboriginal Cultural Awareness and environmental assessment. -Projects put out to competitive tender to private contractors for construction. -Contracts are established based on AS4000 documents and construction is supervised by qualified professionals (NSW gov. or private). This supervision includes field inspections, contractual responsibilities such as OH&S, delays, certifying works for payment, etc.. Contracts include Quality Assurance provisions to be met by contractors. -Grant funding paid on works inspection and approval by NSW Office of Water.
<p>Constant used to calculate watered area from a bore drain?</p>	<p>The method adopted by NSW to calculate watered area from a bore drain is the standard used by Bore Trusts in NSW. This is the area within 5km of a bore drain. This has been adopted subject to restrictions such as no increase in watered area under piping, watered area must be within property boundaries, etc.</p>