

Date : 12/03/2021 3:38:20 PM

From : "Gerhard Schoning"

To : "Sanjeev Pandey"

Subject : modelling update for EAC

Attachment : Modelling-Update.pptx;image001.png;image002.jpg;

Hi Sanjeev,

Find attached three slides to cover various modelling updates.

Cheers,



Gerhard Schoning

A/Director, Assessment and Modelling
Office of Groundwater Impact Assessment | Georesources
Department of Natural Resources and Mines

P 07 3199 7308 M 0402 551 499
Level 4, 1 William St, Brisbane QLD 4000



Geomodelling update

■ Sub-regional /Local Geological models

■ Northern Coal Area

- Interpreted CSG and Coal logs

■ New Acland

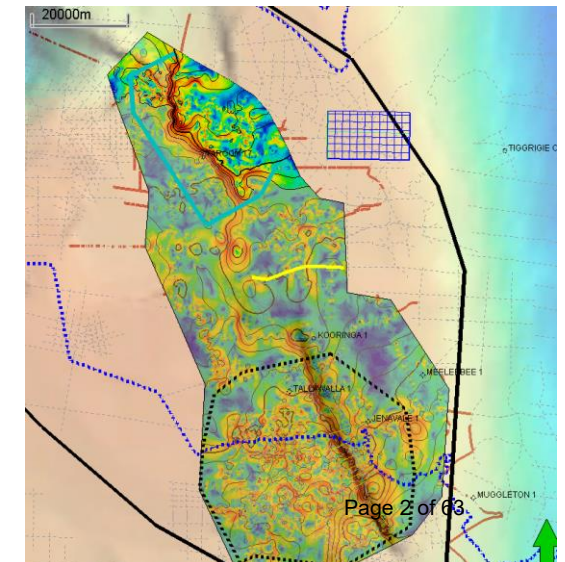
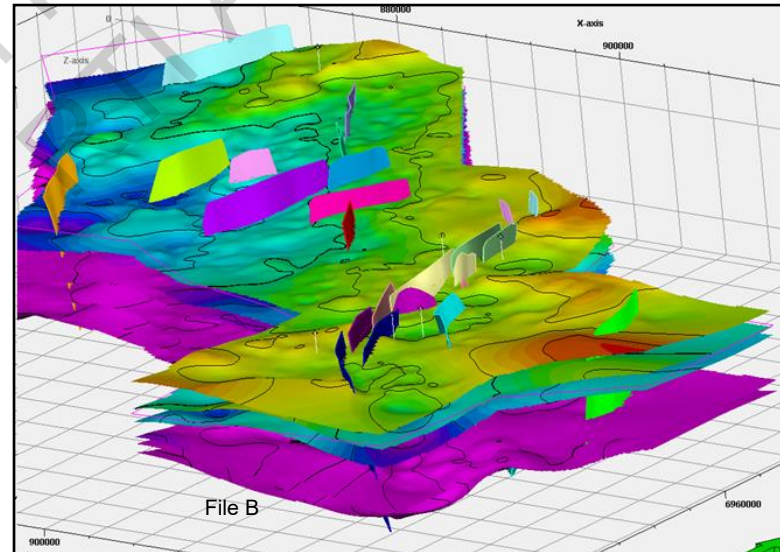
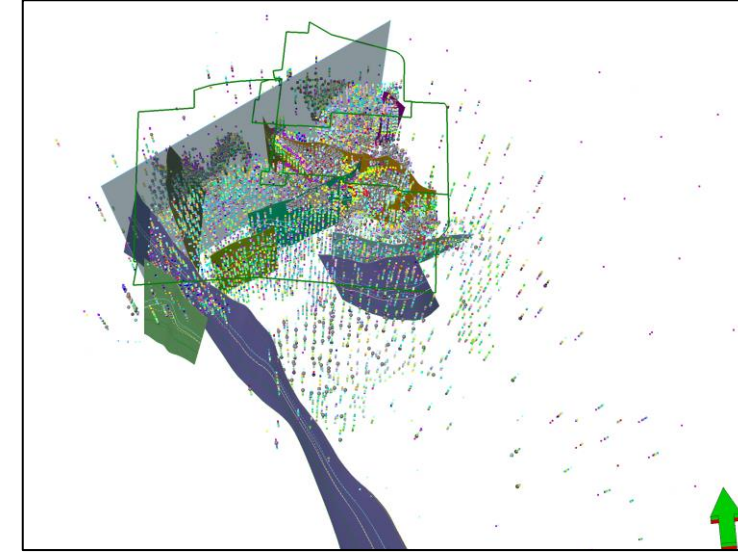
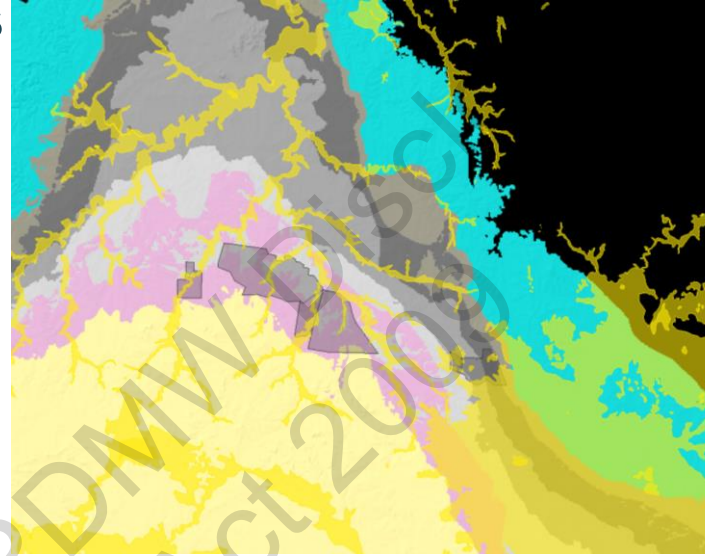
- Updated geology and outcrop mapping
- Detailed fault mapping
- Refined geometry
- Fine resolution

■ Horrane Fault

- Depth converted Seismic
- Interpreted CSG and Coal logs

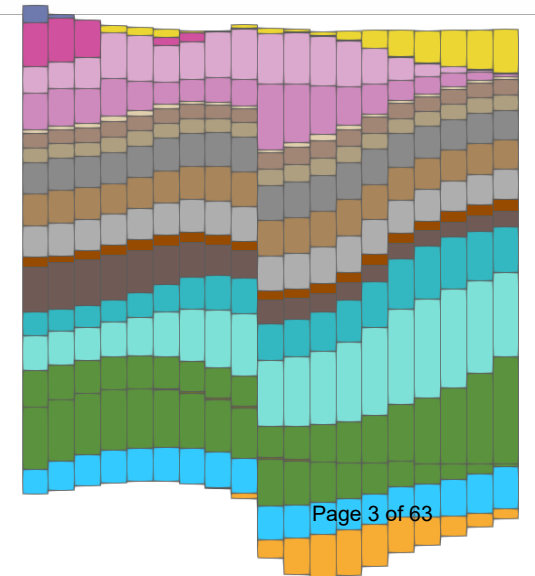
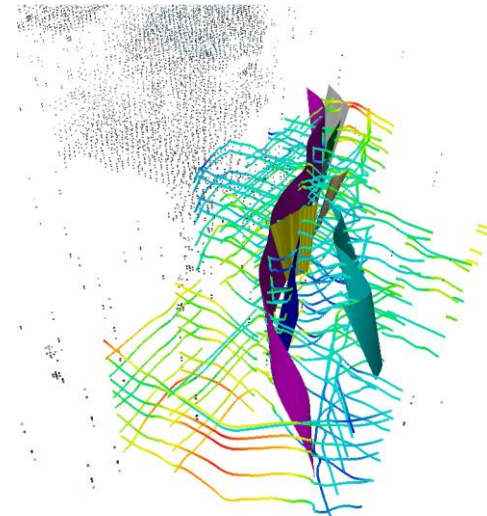
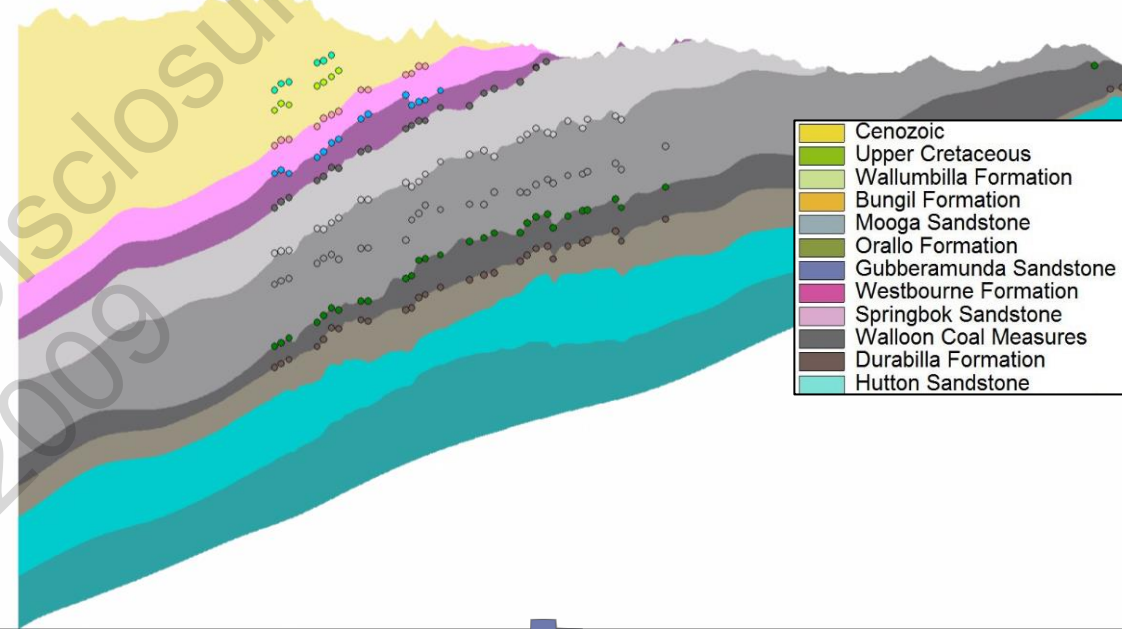
■ Hutton –Wallumbilla Fault

- Depth converted Seismic
- Interpreted CSG and Coal logs



Regional Groundwater Model Update

- Sub-division of the Walloon Coal Measures (Upper Juandah, Lower Juandah & Taroom)
- Updated geometry around key faults (Horrane & Hutton Wallumbilla)
- Refined Alluvium extent
- Representation of CSG wells completed in the Durabilla formation
- Updated calibration datasets and methodology



From: Hugh Marshall
To: derek.hannigan@ s.73 Irrelevant infor
Cc: [Sanjeev Pandey](#)
Subject: OGIA Expenditure Advisory Committee meeting
Date: Friday, 12 March 2021 12:04:39 PM
Attachments: [OGIA Expenditure Advisory Committee meeting \(3.90 MB\).msg](#)

Derek,

As recently discussed with Sanjeev Pandey, please find attached an invitation to attend and observe OGIA's Expenditure Advisory Committee meeting on Monday.

Cheers,
-Hugh



Hugh Marshall

Business Support Officer

Office of Groundwater Impact Assessment

Department of Regional Development, Manufacturing and Water

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Date : 23/02/2021 2:57:14 PM

From : "Hugh Marshall"

To : "Hugh Marshall" , "s.73 Irrel@qrc.org.au" , " s.73 Irrelevant westsidecorporation.com" , "Gail Godwin-Smith" , "sch4p4(6) qff.org.au" , "Georgy Mayo" , "janetreddan@s.73 Irrelevant" , "Nick Cook" , "Sanjeev Pandey"

Cc : "Andrew Barger" , "Warwick Squire"

Subject : OGIA Expenditure Advisory Committee meeting

Attachment : Papers EAC 15 March 2021.pdf;EAC_May2020_OGIAActivityUpdate.pdf;image001.jpg;

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RTI Act 2009

From: [Hugh Marshall](#) on behalf of [Sanjeev Pandey](#)
To: "[Gail Godwin-Smith](#)"; "[janetreddan@s.73 Irrelev](#)"; [Andrew Barger](#); [Georgina Davis](#); [Matthew Paull](#); "[s.73 Irrelev@yancoal.com.au](#)"; [Hugh Marshall](#); "[s.73 Irreleva westsidecorporation.com](#)"
Subject: OGIA Expenditure Advisory Committee meeting
Attachments: [image001.jpg](#)
[EAC June 2021 agenda and papers.pdf](#)

All,

As per earlier emails – we will kick off at 3 pm.

Cheers,

-Hugh

Microsoft Teams meeting

Join on your computer or mobile app

Click here to join the meeting <https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjE0YjA2NjctMjgyNi00YjU3LThlMjgtMjBINjEwNTljZmYw%40thread.v2/0?context=%7b%22Tid%22%3a%22d16de530-94e7-4158-b7e2-6ee220af628d%22%2c%22Oid%22%3a%224a9778b8-7aa0-4b5f-96f1-4a1069259d06%22%7d>

Join with a video conferencing device

teams@itp.onpexip.com <<mailto:teams@itp.onpexip.com>>

Video Conference ID: 134 954 392 6

Alternate VTC dialing instructions <<https://pexip.me/teams/itp.onpexip.com/1349543926>>

Learn More <<https://aka.ms/JoinTeamsMeeting>> | Meeting options <https://teams.microsoft.com/meetingOptions/?organizerId=4a9778b8-7aa0-4b5f-96f1-4a1069259d06&tenantId=d16de530-94e7-4158-b7e2-6ee220af628d&threadId=19_meeting_YjE0YjA2NjctMjgyNi00YjU3LThlMjgtMjBINjEwNTljZmYw@thread.v2&messageId=0&language=en-US>

From: MARSHALL Hugh
Sent: Monday, 21 June 2021 10:41 AM
To: 'Gail Godwin-Smith'; [janetreddan@s.73 Irrelev](#); [Andrew Barger](#); [Georgina Davis](#); [Matthew Paull](#); [s.73 Irrelev@yancoal.com.au](#);
[s.73 Irrelev@westsidecorporation.com](#)
Cc: PANDEY Sanjeev
Subject: RE: OGIA Expenditure Advisory Committee meeting

All,

Thanks for advising of your intention to attend either in-person or via Teams this afternoon.

To borrow recently popularised terminology, out of an abundance of caution, we have booked three hours for today's meeting, whereas we should be able to wrap it up in under two hours. [s.73 Irrelevant information](#), Sanjeev and I now propose to kick off at 3 pm, instead of 2 pm – still ending at 5 pm as planned.

Could you each please consider this proposal and use "reply all" to advise us and the committee members whether you agree with starting at 3pm?

Cheers,

-Hugh

From: MARSHALL Hugh
Sent: Monday, 21 June 2021 9:04 AM
To: 'Gail Godwin-Smith'; [janetreddan@s.73 Irrelev](#); [Andrew Barger](#); [Georgina Davis](#); [Matthew Paull](#); [s.73 Irrelev@yancoal.com.au](#);
[s.73 Irrelev@westsidecorporation.com](#)
Cc: PANDEY Sanjeev

Subject: RE: OGIA Expenditure Advisory Committee meeting

All,

If you're online this morning, please advise whether you will be attending this afternoon [a] in person or [b] via Teams.

Cheers,

-Hugh

From: MARSHALL Hugh
Sent: Thursday, 17 June 2021 9:15 AM
To: 'Gail Godwin-Smith'; janetreddan@ s.73 Irrelev; Andrew Barger; Georgina Davis; Matthew Paull; s.73 Irrel@yancoal.com.au; sch4p4(6)@westsidecorporation.com <s.73 Irrelevant i@westsidecorporation.com>
Cc: PANDEY Sanjeev
Subject: RE: OGIA Expenditure Advisory Committee meeting

All,

Please find attached the agenda and papers for the meeting on Monday.

Cheers,

-Hugh

Hugh Marshall

Business Support Officer

Office of Groundwater Impact Assessment

Department of Regional Development, Manufacturing and Water

07 3199 7317 <tel:+61731997317> | hugh.marshall@rdmw.qld.gov.au <mailto:hugh.marshall@rdmw.qld.gov.au>

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-----Original Appointment-----

From: MENEGUZZO Krysten <Krysten.Meneguzzo@rdmw.qld.gov.au <mailto:Krysten.Meneguzzo@rdmw.qld.gov.au> > On Behalf Of

PANDEY Sanjeev

Sent: Wednesday, 16 June 2021 11:20 AM

To: 'Gail Godwin-Smith'; janetreddan@ s.73 Irrelev; Andrew Barger; Georgina Davis; Matthew Paull; 'nick.cook@ s.73 Irreleva';

MARSHALL Hugh; andrew.brier@ s.73 Irrelevant inform <mailto:andrew.brier@ s.73 Irrelevant inform>

Subject: OGIA Expenditure Advisory Committee meeting

When: Monday, 21 June 2021 2:00 PM-5:00 PM (UTC+10:00) Brisbane.

Where: <<1 William Street (1WS) - 1 Floor - Meet 1.03>> and Microsoft Teams

Good morning

There seemed to be a glitch in the last meeting invitation.

Re-sending this with the meeting room confirmation and the Microsoft Teams link.

The agenda and meeting papers are still to be circulated.

Kind Regards

Krysten Meneguzzo

Project Officer

Office of Groundwater Impact Assessment

Department of Regional Development, Manufacturing and Water

07 3199 7321 <mailto:07%203199%207249> | krysten.meneguzzo@rdmw.qld.gov.au <mailto:krysten.meneguzzo@rdmw.qld.gov.au>

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Part-time (Monday – Thursday)

AGENDA

MEETING No. 19 EXPENDITURE ADVISORY COMMITTEE

DATE: Monday, 21 June 2021

TIME: 2–5 pm

VENUE: Meeting Room 11.02, Level 11, 1 William Street, Brisbane
and Microsoft Teams

ATTENDEES:

EAC MEMBERS:

Gail Godwin-Smith (Chair)
Andrew Barger
Andrew Brier
Georgina Davis
Janet Reddan
Matthew Paull
Nick Cook

OGIA STAFF:

Sanjeev Pandey (Executive Director)
Hugh Marshall (secretariat)

#	Agenda paper	Details
0	–	Welcome
1	Agenda paper 1	Approval of minutes of meeting – March 2021
2	Agenda paper 2	Update on OGIA's activities
3	Agenda paper 3	Update on financial position for 2020-21
4	Agenda paper 4	Planned expenditure for 2021-22
5	–	Other business
6	–	Next meeting

AGENDA ITEM 1 – APPROVAL OF MINUTES OF MEETING – MARCH 2021

MINUTES OF MEETING NO. 18

EXPENDITURE ADVISORY COMMITTEE

DATE: Monday, 15 March 2021

VENUE: 1 William Street and online (Microsoft Teams)

TIME: 11 am–12.30 pm AEST

	EAC members	OGIA secretariat
ATTENDEES:	Gail Godwin-Smith, Chair (GGS) Andrew Barger (B1) Andrew Brier (B2) Georgina Davis (GD) Janet Reddan (JR) Nick Cook (NC)	Sanjeev Pandey (SP) Hugh Marshall (HM)
APOLOGY:	Georgy Mayo (GM)	
GUESTS:	Warwick Squire (WS), A/CEO, GasFields Commission Qld Derek Hannigan (DH), General Manager, Water and Commercial Projects, Arrow Energy	

OPENING

- The Chair, GGS, opened the meeting at 11.03 am.
- GGS welcomed all members including recently reappointed B1 and newly appointed NC and GM, noting that GM is an apology for this meeting.
- GGS welcomed guests WS from GFCQ and DH from Arrow Energy.

AGENDA ITEM 1 – APPROVAL OF MINUTES OF MEETING – MAY 2020

- The committee considered the minutes from the meeting of May 2020.

Outcome

- The committee endorsed the minutes.

AGENDA ITEM 2 – UPDATE ON OGIA'S ACTIVITIES

- SP presented slides detailing OGIA's activity since the last EAC meeting.
- The committee discussed the logic around RTH rules for coal mining, such as delineating by stratigraphy or by project timing. SP noted an expectation that in most cases, there would be no material additional responsibility for mining companies. B2 suggested that most mining

companies' UWIR monitoring conditions would likely be covered by EA conditions.

- The committee discussed increasing role of OGIA on matters relating to subsidence. SP presented OGIA's work plan and progress in this space.
- The committee discussed engagement. WS noted GFCQ's keenness to grow collaboration, such as in groundwater management, regulatory framework. WS further noted that GFCQ appreciates OGIA's support, particularly in its leading of the subject matter expertise.

Outcome

- The committee noted the agenda paper and the presentation.

AGENDA ITEM 3 – UPDATE ON 2020-21 FINANCIAL POSITION

- SP spoke to the agenda paper and highlighted that OGIA's forecast end of financial year expenditure is 3.7% under budget.
- SP noted that OGIA typically tracks within 4–10% of budget, and that this forecast EOFY performance is on par.

Outcome

- The committee noted the agenda paper with no issues or objections.

AGENDA ITEM 4 – CLOSING FINANCIAL POSITION FOR 2019-20

- SP noted that OGIA typically tracks within 4–10% of budget, and that 2019-20 was an anomaly due to the COVID-19 situation and the timing of the mining budget approval.
- SP noted the final 2019-20 expenditure was 25% underspent, 3% less underspent than the 28% underspend forecast in May.
- SP noted the variance was due to a contract signed in June for UQ to continue a research project into water use in the Surat Basin.

Outcome

- The committee noted the closing financial position.

OTHER BUSINESS

- The committee discussed OGIA's data provision. DH queried the option of a user-pays model. GD queried whether the volume of enquiries is increasing. SP noted an intention to push more data to the web, thereby reducing the enquiry volume.

Action: SP to quantify the cost of data provision.

- The committee discussed future levy rates. NC noted a desire from coal companies to know future levy rates, for budgeting purposes. B1 suggested communication to coal companies about the levy process, levy rates and contingency legislation/rationale.

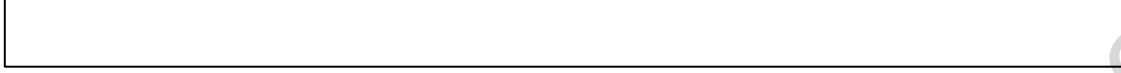
NEXT MEETING

- GGS noted the next meeting will be in late May, early June, to be advised by SP.
- SP suggested a Friday afternoon, to allow for a meet and greet afterwards with the OGIA team.

Action: SP to propose date options for the next meeting.

CLOSE

- The Chair closed the meeting at 12.32 pm.



RECOMMENDATION

That the EAC endorse the minutes of this meeting.

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RTI Act 2009

AGENDA ITEM 2 – UPDATE ON OGIA’S ACTIVITIES

PURPOSE

To provide an update on the Office of Groundwater Impact Assessment’s (OGIA) activities since the last meeting.

BACKGROUND

The Surat cumulative management area (CMA) was formally amended through a gazette notice on 31 January 2020. OGIA received a notice from the Department of Environment and Science (DES) to amend the Surat UWIR for coal mining impacts by 1 December 2021.

Since the last meeting in March 2021, the primary focus of OGIA continues to be on scientific assessment and engagement. This paper provides an overview of those activities.

UPDATES

EAC members

- Ms Georgy Mayo has resigned s.73 Irrelevant information.
OGIA is yet to receive a written confirmation.

2021-22 levy budget and invoicing

- OGIA has prepared the budget for 2021-22.
- System changes due to MOG are yet to be fully implemented by the new department’s Corporate Finance.
- In the meantime, OGIA has independently prepared its budget, levy model and levy invoice spreadsheets. The system changes are expected to be completed in time to allow OGIA’s annual levy invoicing process to be run in the usual timeframe.

Modelling

- Local geological models have been built for the Northern Coal Area and New Acland.
- Structural refinements have been made to the groundwater model, including:
 - subdivision of the Walloon Coal Measures to reflect key stratigraphic units
 - update and extension of the Horrane fault to incorporate new seismic data
 - refinement of the Hutton-Wallumbilla fault to reflect recent findings from the analysis of airborne electromagnetic data acquired by Geoscience Australia
 - refined representation of Alluvium in the central coal area.
- Additional improvements have been made to process representation, including:
 - representation of coal mines
 - representation of CSG wells completed in the Durabilla formation
 - updated calibration datasets and methodology.
- Calibration of the regional model is completed, while finalisation of the NCA model is still underway.
- Preliminary predictive runs are completed and a QA/QC process is underway.
- Modelling is delayed by about three months due to additional complexities.

Technical assessments and conceptualisation

- Conceptualisation work is largely completed for three key areas:
 - to improve conceptualisation of impact pathways from CSG development in areas where key receptors are located, e.g. springs in the Dawson River catchment, Surat and Bowen basin contact zones, and Horrane fault
 - to update analysis of monitoring data to identify CSG impacts using more advanced techniques, such as signal processing
 - to develop conceptualisation of groundwater impact pathways in and around the coal mines.
- Current focus is on final QA/QC and reporting of findings.
- As reported earlier, work relating to coal conceptualisation had proceeded at a slower pace than anticipated/planned, due to late receipt of data, greater than anticipated complexities in data received, and resourcing issues.
- An electromagnetic survey for better understanding and mapping of geological faults in the eastern part of the Surat CMA was planned to commence in April/May 2021 but is now postponed to post-UWIR because of the logistical complications.

Ground movement and subsidence

- As reported in the previous meeting, the issue of land subsidence has been raised in recent months by some landholders in and around the Kupunn area in the Condamine Alluvium – particularly in relation to monitoring of subsidence, its potential implication on land valuation, and mitigation measures.
- OGIA has been working with landholders and industry to develop a comprehensive framework for assessing impacts of CSG depressurisation on ground movement. This involves following three components, with progress made by OGIA in relation to those components:
 - improved **prediction** of impacts using geo-mechanical modelling techniques; a geo-mechanical model is completed with preliminary predictions currently going through a QA/QC process
 - **interpretation** of monitoring data to assess existing impacts and factors affecting ground movement; interferometric synthetic aperture radar (InSAR) data is being interrogated to replicate analysis of observed ground movement against the distance from CSG wells, with some additional interpretations
 - establishment of **baseline** conditions through monitoring; target areas for pilot testing of ground-based methods are finalised and a surveying contractor is being appointed to commence survey within the next 4–6 weeks.

Engagement activities

- OGIA continues to engage heavily with DES on a range of issues, such as:
 - potential legislative improvements to Chapter 3 provision on matters relating to OGIA, and preparation and implementation of the UWIR
 - seeking clarity on the UWIR and Environmental Authority interface (OGIA has commissioned Randall Cox for this specific purpose)
 - seeking clarity on:
 - § what a water supply bore is, for the purpose of Chapter 3
 - § the process and mechanism for when a water bore is identified in the post-UWIR period as an IAA bore, due to a change in bore information

- § how to give effect to the Spring Impact Management Strategy
- § the scope of Environmental Values assessment in the UWIR
- OGIA's Executive Director attended following meetings/workshops involving cross-sectoral engagement:
 - the inaugural meeting of the GasFields Commission Queensland's Community Leaders' Council in Brisbane on 28 April
 - a community session organised by Arrow in Dalby on 14 May on matters including subsidence and directional drilling
 - a workshop organised by the Department of Resources in Chinchilla on 28 May to seek input on development of the Queensland Resources Industry Development Plan
 - two Groundwater Net workshops organised by the Department of Water in Cecil Plains and Chinchilla on 8 and 9 June, respectively.
- Several informal engagements are occurring with many landholders on matters relating to impacts on water supply bores and subsidence.
- Two meetings of the Industry Reference Group were held – one with CSG industry members on 23 April and the other with coal industry members on 5 May. Amongst other matters, the responsible tenure holder rules – for distribution of management responsibilities between CSG and coal tenure holders in overlapping areas – was one of the key discussion points.

UWIR implementation and data maintenance

- A key area of work has been the technical review and application of Santos's spring impact management plan (SIMP) as required under the UWIR 2019. OGIA has played a key role in evolving the SIMP into an appropriate implementation framework with DES. The SIMP was approved by OGIA on 4 June.
- OGIA is progressing development of an IT system for a more stable storage and portal solutions for data provision and receipt.

Data provision and additional model runs

- As noted in the last EAC meeting, more and more requests are being made of OGIA by industry and research organisations to provide data, information and additional model scenario runs for various regulatory approvals or research. This requires substantial resourcing to prepare agreements, data, model runs, reviews, quality checks and compilation.
- OGIA has implemented a process to quantify the cost of responding to data requests; this matter is expanded upon in Agenda paper 3 – update on financial position.
- Recent data/information provisions include the following:
 - GFCQ – high-resolution still images from two of OGIA's 3D videos
 - Origin – monitoring data for three springs and associated source aquifers
 - Senex – UWIR model runs incorporating five proposed wells
 - various data requests from landholders regarding water bore impacts.

Advice

- Section 458 of the *Water Act 2000* provides that the chief executive of DES may give OGIA a written direction requiring OGIA to advise the chief executive on any matter

relating to impacts on underground water caused by the exercise of underground water rights.

- No further request for advice has been received since the last meeting in March.

Publication, reports and conference presentations

- No new report has been published since the last meeting in March.
- OGIA has published a book chapter, titled Cumulative Groundwater Impact Assessment and Management – An Example in Practice, in May.
- OGIA's current focus is on finalising the reporting for UWIR 2021 that is due for release in the last quarter of 2021. At this stage, it is planned to concurrently release:
 - a consultation draft of the UWIR 2021
 - a companion document providing additional technical details, approaches and methodologies that underpin the UWIR 2021.

Recruitment and staffing

- Departures since the last meeting in March:

s.73 Irrelevant information

- Arrivals since the last meeting in March:
 - Mr Chris Harris-Pascal (intermediate-level hydrogeologist) joined in April.
 - Ms Wendy Zhang (data scientist) joined in April.
 - Mr Jeremy Wolff (GIS analyst) joined in April.
- A process to recruit a groundwater modeller is underway.

RECOMMENDATIONS

- That the EAC note the update on OGIA's core activities since the last meeting.

AGENDA ITEM 3 – UPDATE ON FINANCIAL POSITION FOR 2020-21

PURPOSE

To provide an update on the budget and expenditure position for 2020-21.

BACKGROUND

On 21 May 2020, the Expenditure Advisory Committee (EAC) endorsed the Office of Groundwater Impact Assessment's (OGIA) planned expenditure for its functions in 2020-21.

On 3 July 2020, the OGIA 2020-21 budget of \$4,842k (inclusive of \$250k contingency) was approved by the Honourable Dr Anthony Lynham MP, Minister for Natural Resources, Mines and Energy (the Minister).

The \$250k contingency is held separately from the budget and unused funds will be refunded to levy payers with the 2021-22 levy. This gives a working budget of \$4,592k.

UPDATES

Overall financial outlook

- OGIA's end of financial year (EOFY) forecast expenditure is currently \$4,126k. This is about 10% under budget. For comparison – excluding last financial year's anomaly related to the timing of the amendment to include coal mining in the CMA – the underspend in the previous three years was between 4% and 10%.
- Table 1 provides a summary of the financial position. Details about significant variations are provided in subsequent sections.
- The end of year forecast includes \$3,473k (83%) for P&G and \$652k (17%) for mining functions.

Table 1 Financial position as at 31 May 2021 (,000)

Budget area	EOFY budget	Year to date		EOFY forecast	
		Budget	Actual	Estimate	Variance
Employees	\$2,029	\$1,860	\$1,712	\$1,832	\$(197)
Agency staff	\$860	\$788	\$731	\$831	\$(29)
Personnel subtotal	\$2,889	\$2,648	\$2,443	\$2,662	\$(227)
Contractors and consultancies	\$878	\$805	\$548	\$722	\$(156)
Corporate costs	\$512	\$469	\$469	\$512	\$0
Supplies and services	\$313	\$287	\$208	\$229	\$(84)
Total	\$4,592	\$4,209	\$3,669	\$4,126	\$(466)
Contingency	\$250	\$0	\$0	\$0	\$(250)

Sums may differ due to rounding.

Personnel

- The EOFY forecast for personnel is \$227k less than the budget – primarily due to movement of some personnel and vacancies that took longer to backfill. A planned position of Project Manager was also deemed not necessary to fill.

- Currently there is also an FTE cap in place across government and agency arrangements are used to offset the workload arising from that cap.
- The cost of OGIA staff members contributing to the provision of data was \$300k.

Contractors and consultancies

- OGIA uses contractors and consultants to supplement its core expertise. In most instances, contractors are commissioned as team members for better integration with project work and to keep full-time equivalent (FTE) numbers within the allocated limit.
- Table 2 provides a breakdown of the “Contractors and consultancies” line item from Table 1.
- EOFY year expenditure is expected to be \$722k, which is \$156k under budget. This is primarily because of realignment of priorities whereby additional work is undertaken on subsidence while airborne EM survey is moved to next financial year.

Table 2 Contractors and consultancies costs as at 31 May 2021 (,000)

Budget area	EOFY budget	Year to date		EOFY forecast	
		Budget	Actual	Estimate	Variance
Regional groundwater modelling	\$330	\$303	\$346	\$387	\$57
Hydrogeological assessments	\$288	\$264	\$109	\$148	\$(140)
Environmental value assessment and spring research	\$110	\$101	\$24	\$41	\$(69)
Data management and business support	\$150	\$138	\$68	\$146	\$(4)
Total	\$878	\$805	\$548	\$722	\$(156)

Sums may differ due to rounding.

- Increased modelling-related expenses have been on hiring Schlumberger to support geomechanical modelling and an additional contractor from Umwelt Australia to backfill a recently vacated modelling position.
- As stated in Agenda paper 1, field activities relating to hydrogeological investigation of Horrane Fault (airborne EM survey), a tracer study for Condamine Alluvium and verification of UWIR Table G-3 water bores, are suspended due to logistical reasons.
- Work relating to subsidence include additional geomechanical modelling around the Condamine area and commencement of land-based survey.
- About \$51k of increased expenses in data management are for metering of water use – a project run in collaboration with UQ.

Corporate costs

- Corporate costs comprise the “internal service charge” (ISC), which includes accommodation at 1 William Street, ICT infrastructure charges, invoicing, payroll, web and communications, finance and human resources and in-house legal services.
- The ISC methodology for the department (then DNRME) was determined by the Chief Financial Officer and endorsed by the Director-General and the Board.

Supplies and services

- A breakdown of supplies and services expenses is provided in Table 3.
- Supplies and services include costs for items such as materials, analytical services, recruitment and advertising services, telephone and computing equipment, printing and travel.
- The overall EOFY position for supplies and services is forecast to be \$229k, which is \$84k under budget.
- The majority (\$63k) of the overall underspend is due to a Corporate Finance error in accruing (incurring) a Schlumberger software licence expense twice in 2019-20 and subsequently credited twice in 2020-21; the single invoice payment left a \$63k credit.
- The second significant underspend (~\$8k) is in staff training, primarily due to the ongoing COVID-19 situation preventing staff from travelling, for example, to attend the Australian Groundwater School, which had been expected to run in another state.

Table 3 Supplies and services costs as at 31 May 2021

Budget area	EOFY budget	Year to date		EOFY forecast	
		Budget	Actual	Estimate	Variance
Car parking	\$6,500	\$5,958	\$3,103	\$3,385	\$(3,115)
IT (network accounts; phones; hardware; software; licensing)	\$246,450	\$225,913	\$160,827	\$175,448	\$(71,002)
Lab services; materials	\$2,000	\$1,833	\$517	\$564	\$(1,436)
Training and recruitment	\$11,000	\$10,083	\$2,834	\$3,092	\$(7,908)
Travel	\$12,000	\$11,000	\$11,482	\$12,526	\$526
Other (advertising; promotion; legal fees; printing; postage; freight; couriers; subscriptions)	\$35,050	\$32,129	\$31,471	\$34,332	\$(718)
Total	\$313,000	\$286,917	\$210,235	\$229,347	\$(83,653)

Sums may differ due to rounding.

RECOMMENDATION

That the EAC note the paper.

AGENDA ITEM 4 – PLANNED EXPENDITURE IN 2021-22

PURPOSE

To provide details of the planned expenditure for the Office of Groundwater Impact Assessment (OGIA) in 2021-22.

BACKGROUND

OGIA is an independent entity housed within the Department of Regional Development, Manufacturing and Water (DRDMW). It is fully funded through an industry levy that is paid into a statutory 'Groundwater Impact Assessment Fund'.

The *Water Act 2000* provides: that OGIA prepare its annual budget; that OGIA may consult with a relevant advisory body on the proposed expenditure; and that the budget be approved by the Minister for Water before the levy is raised. OGIA established the Expenditure Advisory Committee (EAC) as a relevant advisory body for that purpose.

OVERVIEW

- The combined budget for OGIA's petroleum and gas (P&G) and coal mining functions in 2021-22 is \$5,199k excluding contingency. The budget comprises of \$4,687k for P&G and \$382k for mining.
- The mining proportion is less than 10% – about 42% less compared to previous year. This is as expected, following the completion of initial assessment for coal mining.
- Overall, the budget is higher than the previous year because of additional work proposed for the following:
 - subsidence in response to community and stakeholder concerns
 - Horrane Fault to seek more control on the impact predictions, and to address community concerns
 - developing a digital platform for delivery of OGIA data and information through a web interface.
- The planned expenditure for 2021-22 is summarised in Table 1. Significant items are discussed in the following sections.

Table 1 Planned expenditure 2021-22 (,000)

Budget area	Budget 2021-22			Budget 2020-21	Change
	P&G	Mining	Total		
Employees	\$1,823	\$145	\$1,967	\$2,029	\$(62)
Agency staff	\$790	\$63	\$852	\$860	\$(8)
Personnel	\$2,612	\$207	\$2,820	\$2,889	\$(69)
Consultancies and contractors	\$1,410	\$112	\$1,521	\$878	\$643
Corporate costs	\$474	\$38	\$512	\$512	\$0
Supplies and services	\$320	\$25	\$346	\$313	\$33
Total (excl. contingency)	\$4,817	\$382	\$5,199	\$4,592	\$607
Contingency provision	\$232	\$18	\$250	\$250	\$0

Sums may vary due to rounding.

- Similar to previous years, a contingency fund of \$250k (approx. 5% of the budget) will be held and reported on separately from the OGIA operating budget. Under legislation, it is not possible for OGIA to raise a supplementary levy during the year.
- Unspent levy funds are returned to levy payers once the financial year closes.

PERSONNEL EXPENSES

- The estimated employee budget for 2021-22 is \$2,889k, broadly in line with last year.
- The budget includes an estimated 14 payroll full-time equivalents (FTEs) and 6.5 contract FTEs through agencies. The arrangement provides flexibility in managing personnel costs.

CONTRACTORS AND CONSULTANCIES

- The 2021-22 budget for contractors and consultants is \$1,521k – a significant increase from the previous year.
- Breakdown of expenditure is summarised in Table 2 and further detailed below.

Table 2 Planned expenditure for contractors and consultants 2021-22 (,000)

Budget area	Budget		
	2021-22	2020-21	Change
Groundwater modelling	\$230	\$330	\$(100)
Hydrogeological assessment	\$443	\$288	\$155
Environmental values assessment and springs research	\$350	\$110	\$240
Data management	\$499	\$150	\$349
Total	\$1,521	\$878	\$643

Sums may vary due to rounding.

Groundwater modelling

- The estimated cost for groundwater flow modelling in 2021-22 is \$230k, down \$100k from the previous year.
- OGIA will continue to contract expert services to supplement core capabilities in this area, including developing next-generation modelling techniques, modelling of coal mine areas and refining the regional groundwater flow model in specific areas.

Hydrogeological assessment

- The estimated cost for hydrogeological assessment for 2021-22 is \$443k, up \$155k from 2020-21. Significant allocations are for AEM survey (\$220k) and field investigations relating to Horrane Fault, stratigraphic interpretations and investigating water bores listed in table G-3 of the UWIR 2020 (\$150k).

Environmental values assessment and springs research

- The estimated cost for environmental values assessment is \$350k, a \$240k increase from the previous year. Key cost allocations include work relating to subsidence assessment – \$250k for land surveys and \$100k for InSAR/LiDAR surveys.

Data management

- The data management budget for 2021-22 is \$499k, up \$150k from 2020-21.

- Planned expenditure includes \$200k for independent website development; \$100k for cloud storage; \$100k for web portal development; and \$54k for ESdat backend, HSM data & storage and HPC contribution.
- Continued metering of non-CSG water use through a contracting arrangement with the University of Queensland and programming support to automate some data analysis workflows is budgeted at \$45k.

CORPORATE COSTS

- The DRDMW methodology for corporate costs – referred to as the “internal service charge” (ISC) – will be determined by the Chief Financial Officer and endorsed by the Director-General and the Board.
- DRDMW Corporate Finance is yet to advise OGIA regarding the ISC for 2021-22, however it is expected that the actual ISC amount will be significantly lower, due in part to the new department being significantly smaller than the previous department.
- OGIA has tentatively and conservatively budgeted the same ISC amount as 2020-21: \$512k, comprising \$308k for centrally managed costs and \$204k for corporate services support costs.

SUPPLIES AND SERVICES

- Supplies and services cover a range of costs, as per Table 3 below; this year, we have rationalised these budget areas for ease of reporting and review by the EAC.
- The estimated cost for supplies and services for 2021-22 is \$346k, a \$33k increase. This is mostly attributable to increased costs in advertising and travel for the UWIR 2021 including information sessions in regional areas.
- Significant IT items include Schlumberger geology software (\$124k) and corporate computing facility management (\$46k).

Table 3 Planned expenditure for supplies and services 2021-22 ('000)

Budget area	Budget		
	2021-22	2020-21	Change
Car parking	\$7,500	\$6,500	\$1,000
IT (hardware; software; network accounts; licensing; phones)	\$279,752	\$268,591	\$11,161
Lab services; materials	\$0	\$2,000	\$(2,000)
Training and recruitment	\$4,000	\$11,000	\$(7,000)
Travel	\$20,000	\$12,000	\$8,000
Other (legal fees; advertising; promotion; printing; postage; freight; couriers; subscriptions)	\$34,540	\$13,000	\$21,540
Total	\$345,792	\$313,091	\$32,701

Sums may vary due to rounding.

RECOMMENDATION

That the EAC endorse the budget for 2021-22 subject to pending confirmation from DRDMW Corporate Finance of some costs relating to corporate services and ICT.

AGENDA ITEM 1 – APPROVAL OF MINUTES OF MEETING – JUNE 2021

MINUTES OF MEETING NO. 19

EXPENDITURE ADVISORY COMMITTEE

DATE: Thursday, 21 June 2021
VENUE: 1 William Street and online (Microsoft Teams)
TIME: 3–5 pm AEST

	EAC members	OGIA secretariat
ATTENDEES:	Gail Godwin-Smith, Chair (GGS) Andrew Barger (B1) Andrew Brier (B2) Georgina Davis (GD) Janet Reddan (JR) Matthew Paull (MP) Nick Cook (NC)	Sanjeev Pandey (SP) Hugh Marshall (HM)

OPENING

- The Chair, GGS, opened the meeting at 3.07 pm.
- GGS welcomed all members and accepted MP as proxy for Georgy Mayo, noting her recent resignation from APPEA.

AGENDA ITEM 1 – APPROVAL OF MINUTES OF MEETING – MARCH 2021

- The committee considered the minutes.
- HM noted the two actions arising from the meeting had been addressed.
- SP suggested an out-of-session committee meeting with the OGIA team.

Outcome

- The committee endorsed the minutes.
Action: HM to arrange an out-of-session meeting between the committee and OGIA.

AGENDA ITEM 2 – UPDATE ON OGIA’S ACTIVITIES

- SP presented slides detailing OGIA’s activity since the last EAC meeting.
- The committee discussed increasing role of OGIA on matters relating to subsidence and noted community eagerness for surveys such as AEM, InSAR and Lidar. SP presented OGIA’s work plan and progress in this space. SP noted survey operators’ lack of availability to conduct work in the immediate term, and that OGIA’s modelling is currently conservative.

- The committee discussed the logic around RTH rules for coal mining, in particular the rule for when to transfer responsibility from P&G to mining. B1 noted coal industry may find it useful if OGIA formalises these RTH rules and seeks feedback, noting that outliers would fit or be accommodated by the framework.
- The committee discussed subsidence: NC queried the UWIR 2019 conclusion of “low to moderate risk” which was clarified by SP.
- Regarding subsidence baselining, B2 noted a knowledge gap being understanding the background trend in ground movement. SP concurred and noted that in recent community engagements, the concept of measuring trends is becoming more accepted rather than points in time.
- GD queried the timeframe for OGIA to verify Arrow’s findings. SP advised verification is complete and OGIA is currently drafting a letter to Arrow to confirm.

Outcome

- The committee noted the agenda paper and the presentation.

Actions

- SP to advise the committee on progress with the letter to Arrow.

AGENDA ITEM 3 – UPDATE ON 2021-22 FINANCIAL POSITION

- HM spoke to the agenda paper and highlighted that OGIA’s forecast end of financial year expenditure is 10% under budget.
- HM noted that OGIA typically tracks within 4–10% of budget, and that this forecast EOFY performance is on par.
- HM noted that OGIA’s levy model now quantifies costs associated with data provision requests, and that those costs were \$300k in 2020-21.
- SP noted OGIA’s current FTE cap situation; GGS invited the committee to comment.
- The committee noted: a willingness to support OGIA to raise the issue; that all departments are struggling with attraction/retention and this is particularly evident with OGIA’s need for technical expertise; industry’s expectation that OGIA’s funding model would justify exclusion from such a cap; landholder concerns around subsidence and other issues are beginning to increase; and the department’s recent appointment of a new Director-General presents a timely opportunity.

Outcome

- The committee noted the agenda paper with no issues or objections.

AGENDA ITEM 4 – PLANNED EXPENDITURE FOR 2021-22

- SP explained the key changes from 2020-21.
- HM noted that DRDMW Finance determines the Corporate costs and is expected to reduce this amount for 2021-22. The budget of \$512k is conservative.
- B1 noted a desire to give the levy-paying mining companies as much warning as possible about the approximate/expected levy rates.

- GD queried whether the perception persists of cross-subsidisation between the mining and gas industries. B1 noted there is always a concern but no material problem or remedial action to be taken.
- GGS sought the Committee's agreement to endorse the budget. B1 suggested to endorse "as presented", noting DRDMW Finance may reduce the Corporate costs, which are budgeted conservatively.

Outcome

- The committee noted the clarifications as above and endorsed the planned expenditure as presented.

OTHER BUSINESS

- GGS noted that OGIA is highly regarded externally and by the committee.

NEXT MEETING

- SP suggested to reconvene around November, i.e. returning to the usual cycle.
- SP also suggested an out-of-session meeting around September, for the UWIR 2021 release, and an OGIA team video hook-up with GGS on behalf of the committee.

Outcome

- GGS and the committee agreed to the out-of-session events and the proposed next meeting time.

Action: SP/HM to propose date options for the next meeting.

Action: HM to arrange a GGS and OGIA team video hook-up in the coming days.

Action: HM to arrange a committee and OGIA out-of-session meeting around the release of the UWIR 2021.

CLOSE

- The Chair closed the meeting at 4.53 pm.

RECOMMENDATION

That the EAC endorse the minutes of this meeting.

OGIA activity update

Expenditure Advisory Committee

Sanjeev Pandey

21 June 2021

UWIR 2021

22-216

File B

Page 27 of 63

Beyond UWIR 2021

- Making more and more data/information available through web interface
- Pursue legislative improvements
- Exploring data science techniques
- Focus area research – e.g. Horrane, Dawson River catchment
- Regular updates of companion documents
- Research and engagement on *subsidence*

End

 07 3199 7321

 ogia@rdmw.qld.gov.au

 www.business.qld.gov.au/ogia

 ²²⁻²¹⁶ PO Box 15216, City East Qld 4002

File B

From: Hugh Marshall
To: [Hannah Sto Domingo](#)
Cc: [Patrick Willmet](#); [Cherrie Bragg](#); [Sanjeev Pandey](#)
Subject: RE: 2021-22 OGIA Levy
Date: Tuesday, 15 March 2022 4:20:48 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[CTS 13459-21 MBN OGIA budget 2021-22 signed.pdf](#)
[CTS 13459-21_1883529_Att1_Planned_expenditure.docx](#)
[OGIA levy 2020-21.xlsm](#)

Hannah,

Please find attached a copy of the 2021-22 budget as approved by the Minister (PDF) and the budget details (DOCX).

I can confirm that the refund provided this financial year (for 2020-21 unspent funds) is **\$668,859.54**. Entered after EOFY closure – by OGIA’s ED, Sanjeev Pandey – into the “Actual allocation & input” worksheet of the OGIA 2020-21 levy model (XLSX), the refund was allocated [a] to OGIA activities according to the actual expenses incurred undertaking each activity, and [b] to levy classes according to the actual effort by OGIA in providing service to each class of levy payer.

Cheers,
-Hugh



Hugh Marshall

Business Support Officer

Office of Groundwater Impact Assessment

Department of Regional Development, Manufacturing and Water

[07 3199 7317](tel:0731997317) | hugh.marshall@rdmw.qld.gov.au

Level 5, 1 William St, Brisbane Qld 4000

GPO Box 2247, Brisbane Qld 4001

business.qld.gov.au/ogia

From: Hannah Sto Domingo <Hannah.StoDomingo@rdmw.qld.gov.au>
Sent: Tuesday, 15 March 2022 3:55 PM
To: Hugh Marshall
Cc: Patrick Willmet; Cherrie Bragg
Subject: 2021-22 OGIA Levy

Hi Hugh,

I understand that the 2021-22 OGIA levy invoices have been raised.

For us to adjust our financial records, can you please provide me a copy of the 2021-22 budget as approved by the Minister and the budget details – I attached the same documents you provided last year.

Also, can you please confirm that the refund provided for this financial year is \$669,035? Can

you also provide how the refund was allocated to the levy payers?

Thank you.

Regards,

Hannah Sto Domingo
Principal Finance Officer
Corporate Financial Services
Department of Regional Development, Manufacturing and Water

P 07 3087 8068
Level 5, 1 William St, Brisbane Q 4000

Unite & Recover 



**Queensland
Government**

I acknowledge the traditional custodians of the lands and waters of Queensland. I offer my respect to elders past, present and emerging as we work towards a just, equitable and reconciled Australia.



SUBJECT: 2021–22 budget for the Office of Groundwater Impact Assessment

APPROVED NOT APPROVED
 NOTED COMMENTS

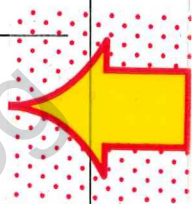
RECOMMENDATION

It is recommended that you:

- **approve** the 2021–22 budget of \$5.449 million (excluding GST) for the Office of Groundwater Impact Assessment (OGIA)
- **note** that OGIA is fully funded by a levy on resource tenure holders in accordance with section 479 of the *Water Act 2000* (the Water Act).

Hon. Glenn Butcher MP
Minister for Regional Development and Manufacturing and Minister for Water

Date: 13 / 7 / 2021



KEY ISSUES

- On 21 June 2021, the Expenditure Advisory Committee (EAC) – an advisory body established under section 461 of the *Water Act* – endorsed OGIA’s proposed 2021–22 budget of \$5.449 million, which includes a contingency of \$0.250 million that will be held as unearned revenue (**Attachment 1**).
- The contingency is provided because OGIA is not able to raise a supplementary levy to fund additional needs that may arise during the year. Unspent funds are adjusted in the following year’s levy.
- The working budget of \$5.199 million (excluding the contingency) comprises of \$4.817 million for OGIA’s petroleum and gas functions and \$0.382 million for OGIA’s mining functions.
- Minor variations to the budget are anticipated subject to finalisation of corporate and internal service charges.
- The budget is higher than the previous year because of proposed additional work: on subsidence, in response to community and stakeholder concerns; on the Horrane Fault (a sub-surface crack through rock layers, caused by deep-earth pressures over many millions of years) to seek more control on the impact predictions; and on developing a digital platform for delivery of OGIA data and information through a web interface.

BACKGROUND:

- OGIA is an independent entity housed within the Department of Regional Development, Manufacturing and Water. It has a statutory role under Chapter 3 of the *Water Act* to assess the impact of petroleum and gas and mining on groundwater resources.
- In accordance with section 479 of the *Water Act*, OGIA’s functions are funded by a levy on relevant resource tenure holders. The levy is worked out in the way prescribed by the *Water Regulation 2016*.
- Section 479(6) of the *Water Act* provides that, “when preparing [its] estimated costs, [OGIA] may consult with a relevant advisory body.” OGIA’s budget is prepared in consultation with the EAC and then approved by the Minister. EAC membership comprises community and industry representatives.
- There are no human rights identified as being relevant to this decision.

ATTACHMENT:

1. OGIA’s planned expenditure for 2021–22.

Minister’s comments
.....
.....
.....
.....

Endorsed by ED: Sanjeev Pandey Business Group: OGIA Telephone: 3199 7316 Date: 22/06/2021	Endorsed by DDG: David Wiskar Business Group: Water Telephone: File B Date: 22/06/2021	Approved by A/Director-General: Michael Glover Date: 18 / 6 / 2021
--	---	--

OFFICE OF GROUNDWATER IMPACT ASSESSMENT PLANNED EXPENDITURE FOR 2021-22

- The Office of Groundwater Impact Assessment's (OGIA's) total budget for the 2021–22 financial year is \$5.449M, including an operational budget of \$5.199M and contingency of \$0.250M.
- OGIA has included a contingency fund of approximately 5 per cent of the budget. The contingency will be held and reported on separately from the OGIA operational budget as unearned revenue.
- The planned expenditure for 2021–22 is summarised in Table 1. Cost categories are discussed below.

Table 1: Planned expenditure 2021–22 (,000)

Cost item	Budget 2021–22	Budget 2020–21	Change
Personnel	\$2,820	\$2,889	\$(69)
Contractors and consultants	\$1,521	\$878	\$643
Corporate costs	\$512	\$512	\$0
Supplies and services	\$346	\$313	\$33
Total excluding contingency	\$5,199	\$4,592	\$607
Contingency provision	\$250	\$250	\$0

- The personnel budget for 2021–22 is \$2.820M – a slight reduction from 2020–21.
- The 2021–22 budget for contractors and consultants is \$1.521M – a significant increase from the previous year. A number of field activities, related to the emerging issue of subsidence, are planned for 2021–22. Some additional activities scheduled for 2020–21 have been delayed to 2021–22 due to logistical issues including the ongoing COVID-19 limitations.
- Corporate costs are budgeted in line with 2020–21.
- Supplies and services cover a range of costs including information and communication, software, consumables, advertising, travel, motor vehicles and office supplies. The estimated cost for supplies and services for 2021–22 is \$0.346M, a 10 per cent increase that is mostly attributable to the consultation, advertising and distribution of the Underground Water Impact Report for the Surat Cumulative Management Area, planned for late 2021.

From: OGIA
To: [Geoffrey Cole](#)
Subject: RE: Estimates Brief - SURAT - UNDERGROUND WATER IMPACT REPORT 2021
Date: Wednesday, 29 June 2022 8:01:51 AM
Attachments: [image003.png](#)
[CTS 13459-21 MBN OGIA budget 2021-22 signed.pdf](#)
[Att.1 Planned expenditure.docx](#)

Geoff,

See attached.

Please send any non-confidential requests for OGIA to this OGIA inbox, so that we can action requests whether Krysten is and/or I am available.

Cheers,
-Hugh



Hugh Marshall
Business Support Officer
Office of Groundwater Impact Assessment
Department of Regional Development, Manufacturing and Water
[07 3199 7317](tel:0731997317) | hugh_marshall@rdmw.qld.gov.au
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From: Geoffrey Cole <Geoffrey.Cole@rdmw.qld.gov.au>
Sent: Tuesday, 28 June 2022 2:10 PM
To: Hugh Marshall
Subject: Estimates Brief - SURAT - UNDERGROUND WATER IMPACT REPORT 2021

Good afternoon Hugh

Would you please provide me with a copy of the following document asap:
CTS 13459-21: 2021–22 budget for the OGIA

I need this doc to complete a finance review of your Estimates Brief titled SURAT - UNDERGROUND WATER IMPACT REPORT 2021

Thanks



Geoff Cole FCPA
Finance Manager
Corporate Services | Finance
Department of Regional Development, Manufacturing and Water

P: 4837 3326 **M:** 0447 203 366
E: Geoffrey.Cole@rdmw.qld.gov.au
A: 209 Bolsover Street, Rockhampton QLD 4700 | PO Box 1762 ROCKHAMPTON, QLD 4700

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Finance: Finance.RDMW@rdmw.qld.gov.au
Travel Bookings: RDMWTravel@rdmw.qld.gov.au
Human Resources: HROperations@rdmw.qld.gov.au
Workplace Relations: WorkplaceRelations@rdmw.qld.gov.au

From: [Hugh Marshall](#)
To: [Gail Godwin-Smith](#); [Matthew Paul](#); [Andrew Barger](#); [Andrew Brier](#); [Sanjeev Pandey](#); [Jo Sheppard](#); [Andrew Brier](#); [Warwick Squire](#)
Cc: [Nick Cook](#); [Dr Dale Miller](#)
Subject: OGIA Expenditure Advisory Committee meeting, November
Attachments: [image001.jpg](#)
[EAC Nov 2022.pdf](#)

UPDATES:

1. Meeting papers are attached. I understand the desire to have more time for review these papers and I apologise for this late distribution.

2. Please note the location of the meeting room – level 41 at 1 William Street. If attending in person, please present photo ID to the concierge and advise that you are visiting Hugh Marshall and going to Level 41.

UPDATE: rescheduling to the Wednesday, as per recent emails.

All,

Thanks for responding at such short notice.

Thursday 10 November looks to work for everyone except Jo. This is, unfortunately, our least-bad option to proceed s.73 Irrelevant info
s.73 Irrelevant information

This meeting being our mid-year review meeting, it may not take the full three hours that we normally allocate. Given the time of day, those attending in person will be rewarded with catering of some sort. Papers including minutes/actions from the last meeting will be distributed shortly.

Cheers,

-Hugh

Hugh Marshall
Business Support Officer
Office of Groundwater Impact Assessment
Department of Regional Development, Manufacturing and Water

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Meeting ID: 459 351 148 420

Passcode: Pe6cP5

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+61 2 9053 4881,,569402937# <tel:+61290534881,,569402937#> Australia, Sydney

Phone Conference ID: 569 402 937#

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From: Hugh Marshall <Hugh.Marshall@rdmw.qld.gov.au>
Sent: Monday, 10 October 2022 10:39 AM
To: Gail Godwin-Smith; Matthew Paull; Jo Sheppard; Andrew Barger; Andrew Brier; Nick Cook
Cc: Sanjeev Pandey
Subject: OGIA Expenditure Advisory Committee meeting, November

All,

I trust everyone has been keeping well in recent months.

Apologies for the late notice; we are hoping to schedule our next EAC meeting for either Thursday 10 November or Friday 11 November.

Please consider and advise your availability:

Date

AM (yes/no/times)

PM (yes/no/times)

Thursday 10 November

Friday 11 November

Cheers,

-Hugh

Hugh Marshall

Business Support Officer

Office of Groundwater Impact Assessment

Department of Regional Development, Manufacturing and Water

07 3199 7317 <tel:+61731997317> | hugh.marshall@rdmw.qld.gov.au <mailto:hugh.marshall@rdmw.qld.gov.au>

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AGENDA

MEETING No. 21 EXPENDITURE ADVISORY COMMITTEE

DATE: Wednesday, 9 November 2022

TIME: 9 am–12 pm AEST (10 am–1pm AEDT)

VENUE: 1 William Street, Brisbane and online ([join link](#))

ATTENDEES:

EAC MEMBERS

Andrew Barger
 Andrew Brier
 Gail Godwin-Smith (Chair)
 Jo Sheppard
 Matthew Paull
 Nick Cook (apology)
 Dale Miller (apology)

OGIA STAFF

Sanjeev Pandey, Executive Director
 Hugh Marshall (secretariat)

OBSERVOR

Warwick Squire, CEO, GasFields
 Commission Queensland

Item	Details	Presenter	Paper
1	Welcome and opening	Chair	–
2	Approval of minutes of meeting – Feb 2022	Hugh Marshall	Agenda paper 1
3	Update on OGIA's activities	Sanjeev Pandey	Agenda paper 2
4	Update on 2022-23 financial position	Sanjeev Pandey	Agenda paper 3
5	Closing financial position for 2021-22	Hugh Marshall	Agenda paper 4
6	Other business		–
7	Next meeting		–

AGENDA PAPER 1 – APPROVAL OF MINUTES OF MEETING – JUNE 2022

MINUTES OF MEETING NO. 21

EXPENDITURE ADVISORY COMMITTEE

DATE: Thursday, 2 June 2022
VENUE: 1 William Street and online (Microsoft Teams)
TIME: 1–4 pm AEST

	EAC members	OGIA secretariat
ATTENDEES:	Gail Godwin-Smith, Chair (GGS) Andrew Barger Andrew Brier Dale Miller, proxy for Janet Reddan Jo Sheppard, proxy for Georgina Davis Matthew Paull, proxy for Georgy Mayo	Sanjeev Pandey (SP) Hugh Marshall (HM) Sean Lowry
APOLOGIES:	Nick Cook	
OBSERVER:	Warwick Squire, CEO, GasFields Commission Queensland	

AGENDA ITEM 1 – WELCOME AND HOUSEKEEPING

- The Chair, GGS, opened the meeting at 1.03 pm.
- GGS welcomed members and proxies, Warwick Squire as observer and OGIA team members dialling in. GGS also noted Nick Cook's apology.
- SP introduced OGIA team members and committee members introduced themselves to the team.
- The committee expressed appreciation for OGIA's high standard of work produced, technical confidence, trust of stakeholders, subsidence work input and business expertise. The OGIA team then dialled out.

AGENDA ITEM 2 – APPROVAL OF MINUTES OF MEETING – FEB 2022

- The committee considered the minutes.
- GGS noted terms of reference amendments were to be sent for Minister/ Premier approval and asked whether that was done. SP advised that the option was found not to be feasible.
- s.73 Irrelevant information SP thanks Dale Miller for acting as proxy.
- SP noted Water Act Chapter 3 amendments were recommended to DES; SP wrote to DES DG outlining issues and received formal response suggesting that QRIDP could provide a suitable platform.

Outcome

- The committee endorsed the minutes.

AGENDA ITEM 3 – UPDATE ON OGIA’S ACTIVITIES

- SP presented slides detailing OGIA’s activity since the last EAC meeting, particularly emphasising OGIA’s heavy focus on subsidence-related matters and a spike in data and information requests.
- A lot of data requests are coming in, 3–4 times more than usual. Most time-consuming is the running of different models.
- Key points from queries and discussions during the deliberations:
 - Despite the spike in information requests, it is all within OGIA’s current scope.
 - There are risks associated with OGIA providing raw data to the industry as this can be mis-constituted. Therefore, OGIA should consider strategies to manage this risk.
 - OGIA only provides regional assessment. Local and project-specific assessment is a responsibility of the tenure holders.
- Representatives from the agricultural sector expressed a view that OGIA should not get involved in the compliance space, to maintain focus and separation from regulatory agencies.
- The agricultural sector representatives also expressed concerns as to how the QRIDP is framed – as it is still a resource plan and not an agricultural plan.
- SP provided clarification as to how OGIA’s effort in providing formal advice to DES, when requested, is catered for in the Levy.
- The committee expressed satisfaction, and congratulated OGIA in successfully pursuing conversion of OGIA’s long-term contractors to employees.

Outcome

- The committee noted the agenda paper and the presentations.

Actions

- Action 3.1: OGIA to develop strategies for managing potential misinformation among landholders.
- Action 3.2: OGIA to develop strategies for managing risks of providing raw data and information to stakeholders, including scenario runs for the industry.

AGENDA ITEM 4 – UPDATE ON SUBSIDENCE MATTERS

- Deferred, to be discussed after item 5.

AGENDA ITEM 5 – UPDATE ON 2021-22 FINANCIAL POSITION

- HM spoke to the agenda paper and highlighted that OGIA’s forecast end of financial year expenditure is 18% under budget.

- The committee noted relatively higher level of underspend compared to previous years, due to Covid-19 and other disruptions to field activity and \$300k AEM survey for the Condamine Alluvium area delayed due to the contractor being unavailable.

Outcome

- The committee noted the agenda paper.

AGENDA ITEM 4 – UPDATE ON SUBSIDENCE MATTERS

- SP presented slides detailing subsidence work since the last meeting.
- From the presentation and discussions, the committee noted that:
 - under the UWIR, OGIA is required to assess impact – not management; and
 - OGIA is best placed to play a role in the management of subsidence.
- GFCQ is undertaking a project to study consequences and a management framework, with support from OGIA.
- The committee expressed satisfaction and appreciation for:
 - the quality of presentation
 - the quality and level of effective engagement and science communication – particularly with landholders
 - exceptionally high quality of technical work done in the subsidence space – particularly within a short and challenging timeframe.
- GFCQ expressed appreciations of support and input from OGIA on the subsidence project, including direct and significant input in developing a subsidence management framework.

AGENDA ITEM 6 – PLANNED EXPENDITURE FOR 2022-23

- SP explained the key changes from 2021-22.
- The budget is 18% higher than 2021-22, from \$5.2M to \$6.1M, due to:
 - \$700k cloud/data/website one-off costs
 - two extra resources for subsidence work
 - AEM survey shifting to this financial year
 - extra field activities – verifying bore info for make-good required.
- From the discussions, the committee noted the following:
 - Internal service charges have increased but appear reasonable, then all good.
 - OGIA should consider increasing the contingency in future budgets as 5% of the total budget, given the expanding role and uncertainties in budget.

Outcome

- The committee noted the clarifications as above and endorsed the planned expenditure as presented.

Actions

- Action 6.1: OGIA to increase its contingency in future as 5% of the total budget.

OTHER BUSINESS

- GGS noted that OGIA is highly regarded externally and by the committee.

NEXT MEETING

- SP suggested to reconvene in November, i.e. the usual cycle.

CLOSE

- The Chair closed the meeting at 4.01 pm.

**RECOMMENDATION**

That the EAC endorse the minutes of this meeting.

AGENDA PAPER 2 – UPDATE ON OGIA’S ACTIVITIES

PURPOSE

To provide an update on the Office of Groundwater Impact Assessment’s (OGIA) activities since the last meeting.

UPDATES

Overview

Since the last meeting in June 2022, OGIA has continued to focus on:

- ongoing engagement and contribution in relation to GFCQ’s subsidence project
- ongoing stakeholder engagement and modelling work on subsidence
- developing a work program for 2022-23
- commencing the next generation of hydrogeological conceptualisation and modelling
- advancing transition to cloud-based data management solutions.

EAC members

- A ministerial process is currently underway to nominate new appointees to EAC membership – Jo Sheppard (QFF) and Matthew Paull (APPEA).
- OGIA is also seeking to renew the appointment of EAC member and chair, Gail Godwin-Smith which expired in June.

2022-23 levy budget and invoicing

- In July, the Minister approved the 2022-23 budget.
- In October, the department’s new financial system went live, completing a migration that began in late-2021. OGIA will send levy invoices this month.

Ground movement and subsidence

- As reported previously, OGIA had agreed to GFCQ’s request in supporting their subsidence consequence project.
- Since the last EAC meeting in June 2022, significant progress has been made in supporting the GFCQ project and engaging on issues relating to subsidence as summarised below.
- Modelling of farm scale subsidence is pursued on two fronts to suit the immediate and long-term needs of the project:
 - a set of fit for purpose **preliminary/proof-of-concept model** outputs to inform development of a methodology for understanding consequences; and
 - a **decision-making** model in the medium and long-term to assess property specific consequences.
- The preliminary model has similar underlying parametrisation and philosophy to that of the regional model presented in the UWIR with two significant differences in terms of scale and re-calibration.
- Scale for the preliminary model outputs is about 187x187m with resampling to 30x30m to match DEM.
- Preliminary model is also recalibrated to more current InSAR data with additional uncertainty analysis.

- Outputs from the preliminary model are now available for specific properties for a set of specific cross section. Cross sections are selected by OGIA to represent a range of circumstances – such as farm type (dryland, irrigation), farm slope.
- Work on the decision-making model is progressing well involving a fundamental restructuring, re-parameterisation, re-calibration including the Horrane fault.
- OGIA has also developed technical tools (the LiDAR Tool) to process airborne LiDAR data in terms of 10cm contours and an ability to draw sections anywhere across the farms
- A significant progress is also made in further exploring InSAR data, securing further acquisition and post processing to extract InSAR signals that could be extended to be used for subsidence as well as groundwater modelling alike.

Engagement activities

- Engagement activities had primarily been focused on matters relating to subsidence and included:
 - Direct and indirect input, presentations and several engagements with government, landholders, peak bodies, and industry on development of a subsidence management framework with GFCQ.
 - A comprehensive information session for interested landholders in Dalby on 13 September about the matters relating to monitoring of subsidence.
 - Accompanying and supporting GFCQ team for one-on-one and group meetings relating to update on the progress of its project and seeking feedback in Dalby and Cecil Plains on 3–4 August 2022 and.
 - Similarly accompanying Arrow Energy team for a one-on-one and a group meeting with landholders on matters relating to subsidence on 2 August.
 - One-on-one meetings with some landholders on 15 August 2022 relating to subsidence matters.
- Some other significant broader engagement activities include:
 - Convening a meeting of the OGIA's technical advisory panel (TAP) on 6 September 2022 to update on progress of technical projects, and to seek advice and endorsements.
 - Convening a meeting of the OGIA's Industry Reference Panel (IRG) on 29 September 2022 to update on UWIR implementation matters. This was the first combined meeting of the petroleum and gas, and coal mining sector.

UWIR implementation and data maintenance

- DES approved the UWIR on 17 March with a take-effect date of 1 May noting minor conditions, similar to previous UWIRs.
- A condition of the approval was to require OGIA to maintain a point of truth for data on various UWIR obligations and progress on their implementation. This has now been completed and a framework has been agreed with DES.
- Implementation of the UWIR is now progressing. A fulsome update will be provided in the Annual Report that is scheduled to be submitted on 16 December 2022.
- OGIA is also currently revitalising its data and information management systems and practices. This will be a major focus for OGIA in 2023.
- There are two separate components of this program:

- developing a cloud-based data capture and storage system with capabilities to receive data through a web portal, run preliminary checks on data, and store data in databases
- developing a dedicated website for focused and more efficient dissemination of information and data.
- Both components have now commenced.

Data provision and additional model runs

- An abnormally large number of requests were received for data, model files and outputs, including requests (from industry) to run various model scenarios. Six (6) requests are currently being processed, while 19 are completed.
- Significant resources within OGIA (estimated to be a total of about 3 FTEs) continued to be dedicated to serving the data requests.
- Revitalisation of OGIA's data management system is likely to streamline this process in the future. OGIA is also reviewing process workflow for receiving and managing the requests.

Landholders' enquiries

- OGIA regularly receives requests from landholders to seek specific information or clarifications. However, in the recent months there has been a huge spike on these requests – including 49 items of correspondence from three landholders – with following key differences of note:
 - requests are almost always from landholders from the western Condamine areas and relating to subsidence or Horraine Fault with specifics on some very detailed aspects of the technical assessment
 - requests are from those who are ideologically opposed to the CSG development in prime agricultural land, and by a small but very vocal number of landholders
 - the requests are often mixed with claims and counter claims questioning the validity of science and pointing to perceived uncertainties – with correspondence copied to a range of government agencies, and sometime posted to social media
 - information is mis-interpreted or deliberately mis-constituted to discredit science or, to fit a pre-conceived views – by those who are ideologically opposed to the CSG development.
- Regardless, in OGIA's opinion, majority of the landholders have been genuinely seeking to better understand the process of subsidence, its monitoring, and the predictions – mostly through phone call or during the meetings/public session, instead of formal correspondence or email.
- In the above context, OGIA has been pursuing the following strategies to manage those queries and potential misinformation:
 - a standard Q&A through email to provide a common and succinct response across the landholder groups, industry and the regulatory agencies
 - broader and focused public meetings to provide detailed and illustrated responses to queries
 - providing more information, and interactive tools, for landholders to gradually improve their understanding

- limiting and minimising direct response to claims, unless there are factual errors that are quoted in the emails or correspondence
- maintaining GFCQ as the central unit for managing engagement on matters relating to management of the subsidence
- fast-tracking establishment of OGIA's independent website.

Modelling

- OGIA's modelling team has been engaging internally and externally to re-develop the next-generation modelling approach.
- The modelling approach is likely to be materially different from the one employed so far. In the immediate term, OGIA is progressing:
 - proof of concept for model calibration at the local scale, and against the impact signal
 - development of a detailed model in and around the Condamine Alluvium to test various hypotheses, improve the model predictions at margins, and maximise use of InSAR ground movement data.

Technical assessments and conceptualisation

- An electromagnetic survey for better understanding and mapping of geological faults in the eastern part of the Surat CMA is now firmly planned to commence in April/May 2022.
- Work is progressing further on analysis of groundwater monitoring data and associated signal separation.

Advice

- Section 458 of the *Water Act 2000* provides that the chief executive of DES may give OGIA a written direction requiring OGIA to advise the chief executive on any matter relating to impacts on underground water caused by the exercise of underground water rights.
- A formal request for advice was received from DES relating to a groundwater management plan for one of the major resource development projects outside the Surat CMA. The advice is being provided in three separate tranches; the first tranche – required urgently – was provided in March, the second in May and the third in June.
- Provision of this advice involved a significant review of a large set of reports and documents, with a full-time FTE assigned to the task.

Recruitment and staffing

- OGIA completed the process of converting five long-standing contractors to permanent employees.
- There have been two departures since June:
 - s.73 Irrelevant information
 -
- There have also been three new arrivals:
 - Mr Hamid Aghighi, groundwater modeller.
 - Mr Marti Burcet-Rodriguez, groundwater modeller.

- Mr Koray Kalmaz, Python specialist (short-term).

RECOMMENDATIONS

- That the EAC note the update on OGIA's core activities since the last meeting.

AGENDA PAPER 3 – UPDATE ON 2022-23 FINANCIAL POSITION

PURPOSE

To provide an update on the levy, budget and expenditure position for 2022-23.

BACKGROUND

On 6 June 2022, the EAC endorsed OGIA's 2022-23 budget of \$6,433k – comprising \$5,881k for P&G, \$246k for mining and \$306k (5%) contingency.

The contingency is held separately from the budget and unused funds will be adjusted as credits in the levy for 2023-24.

UPDATES

Budget approval for 2022-23

- On 7 July 2022, the OGIA 2022-23 budget was approved by the Honourable Glenn Butcher MP, Minister for Regional Development and Manufacturing and Minister for Water.

Levy for 2022-23

- OGIA will send levy invoices this month for a total amount of \$5,114k after an adjustment (credit) for \$1,320k of unspent funds from the previous year's levy.
- Distribution of levy payers is as below:
 - 5 CSG tenure holders in the Surat CMA paying 89% of the total levy
 - 6 mining lease tenure holders in the Surat CMA paying 6.1% of the total levy
 - 12 conventional P&G tenure holders in the CMA paying 4.2% of the total levy
 - 8 P&G tenure holders and 22 mining tenure holders outside the CMA paying 0.9% of the total levy.
- Levy payments from Brisbane Petroleum are outstanding back to and including 2017-18. OGIA continues to await Corporate Finance coordination of debt recovery and 90–95% payment is expected.

Budget tracking process for 2022-23

- In October 2022, the department's new financial system went live, completing a migration that Corporate Finance began in late-2021.

Overall financial outlook

- OGIA's EOFY expenditure is forecast to be \$115k (2%) under budget. The financial position as at 30 September 2022 is summarised in Table 1.

Table 1: Financial position for 2022-23 as at 30 September 2022 (\$,000)

	EOFY budget	Year to date		EOFY forecast	
		Budget	Actual	Estimate	Variance
<i>Payroll employees</i>	2,595	649	644	2,668	72
<i>Non-payroll employees</i>	394	98	15	603	210
Personnel subtotal	2,989	747	659	3,270	282
Contractors and consultancies	2,162	540	145	1,799	(363)

	EOFY budget	Year to date		EOFY forecast	
		Budget	Actual	Estimate	Variance
Supplies and services <i>including corporate costs</i>	976	244	211	942	(34)
Total	6,127	1,532	1,015	6,011	(115)
Contingency	306	77	-	-	(306)

Sums may differ due to rounding.

Personnel costs

- The OGIA core team consists of staff engaged through two separate arrangements: (1) payroll employees and (2) non-payroll employees which are long-term staff secured through from staffing agencies. Personnel from both arrangements are housed together at 1WS as a single team under a single structure. This arrangement provides greater flexibility for hiring and managing staff members with technical expertise.
- Each arrangement's budget and expenditure is reported separately and also rolled up in the combined 'Personnel subtotal'.
- Over time, more work has been undertaken internally and this trend is continuing.
- A number of positions are filled through non-payroll arrangements to provide greater flexibility.
- Personnel EOFY expenditure is forecast to be \$282k (9%) over budget due primarily to an additional Data Analyst and slightly higher costs in engaging two groundwater modellers.

Contractors and consultancies

- Outsourcing of work as contracting and consultancy services is used to supplement OGIA's core expertise. The arrangement provides OGIA flexibility to accommodate the varying complexity and scope of technical work.
- Table 2 provides a breakdown of the 'Contractors and consultancies' line from Table 1. Further details are provided below.

Table 2: Contractors and consultancies costs as at 30 September 2022 (\$,000)

	EOFY budget	Year to date		EOFY forecast	
		Budget	Actual	Estimate	Variance
Groundwater modelling	113	28	5	191	78
Hydrogeological assessment	625	156	59	493	(132)
Environmental values assessment and springs research	275	69	31	206	(69)
Data management	1,149	287	50	909	(239)
Total	2,162	540	145	1,799	(363)

Sums may differ due to rounding.

- Contractors and consultancies EOFY expenditure is forecast to be 17% (\$363k) under budget, owing primarily to planning more work internally.

- Underpend may be higher depending upon the completion of initial stages of data management projects which are dependent on government IT system processes.

Supplies and services

- The overall EOFY position for supplies and services is forecast to be \$942k, which is 3% under budget. A breakdown is provided in Table 3.

Table 3: Supplies and services costs as at 30 September 2022 (\$,000)

	EOFY budget	Year to date		EOFY forecast	
		Budget	Actual	Estimate	Variance
ICT and Computer Equipment	157	39	29	133	-
Marketing and Public Relations	10	3	-	-	(10)
Other <i>including the ISC</i>	753	188	164	753	-
Transport	18	5	1	3	(15)
Travel and Hospitality	10	3	10	25	15
Depreciation and Amortisation	29	7	8	29	-
Total	976	244	211	942	(34)

Sums may differ due to rounding.

- This component includes analytical services, materials, recruitment and advertising services, telephone and computing equipment, printing, travel and other expenses.
- The “Other” line item now includes the “internal service charge” (ISC) that was previously separated as “Corporate Costs”. The ISC comprises accommodation at 1WS (including ICT infrastructure charges) and various services – invoicing, payroll, web and communications, finance, human resources and in-house legal.
- The ISC was budgeted as \$723k, consistent with advice from Corporate Finance in late-2021 and YTD costs are in line with that budget.
- A \$10k saving is expected in Marketing and PR. An immaterial misalignment – between the Transport budget and Travel and Hospitality costs – does not affect the bottom line.

RECOMMENDATION

That the EAC note the paper.

AGENDA PAPER 4 – CLOSING FINANCIAL POSITION FOR 2021-22

PURPOSE

To provide a summary of the closing financial position for 2021-22.

BACKGROUND

In accordance with the provisions of the *Water Act 2000*, the activities of the Office of Groundwater Impact Assessment (OGIA) are funded by a statutory levy on resource tenure holders.

The Water Regulation 2016 establishes the structure of the levy. The levy apportions costs between tenure holders, or classes of holders, based on the cost of OGIA carrying out functions specific to the holders or class of holders.

An annual levy amount is determined based on the OGIA budget approved by the Minister and the tenures held on 1 July of the year. The invoice includes a credit for unspent funds from the previous year.

OGIA's budget of \$5,449k for 2021-22 was approved by the Honourable Glenn Butcher MP, Minister for Regional Development and Manufacturing and Minister for Water. This gave OGIA a total working budget of \$5,199k plus \$250k contingency.

UPDATES

Final expenditure for 2021-22

- At the June 2022 meeting, the EAC noted that OGIA's 2021-22 end of financial year expenditure was forecast to be 18% under the budget.
- In August 2022, OGIA's accounts were finalised, confirming final expenditure for 2021-22 as \$4,129k – 20% under budget.
- The 2021-22 expenditure is summarised in Table 1. Variances are summarised in subsequent sections.

Table 1 Financial position for 2021-22

Cost item	Budget (,000)	Actual (,000)	Variance (,000)
<i>Employees</i>	\$1,967	\$1,981	\$14
<i>Agency staff</i>	\$852	\$858	\$6
Personnel	\$2,820	\$2,839	\$19
Consultancies and contractors	\$1,521	\$286	(\$1,235)
Supplies and services <i>including corporate costs</i>	\$858	\$1,005	\$147
Total (excl. contingency)	\$5,199	\$4,129	(\$1,070)
Contingency provision	\$250	\$0	(\$250)

Sums may differ due to rounding.

Personnel

- Personnel expenditure was in line with budget.

Contractors and consultancies

- Contractors and consultancies costs were 81% under budget, primarily due to the Covid-19 and other disruptions to field activity, and a \$300k AEM survey for the Condamine Alluvium area delayed due to the contractor being unavailable.

Supplies and services

- Supplies and services costs were 17% over budget, primarily due to Corporate Finance increasing the Internal Service Charge from \$512k to \$723k.

RECOMMENDATION

That the EAC note this paper.

From: Hugh Marshall
To: [Sanjeev Pandey](#)
Subject: EAC papers
Date: Wednesday, 9 November 2022 8:20:54 AM
Attachments: [EAC Nov 2022.pdf](#)

Cheers,
-Hugh



Hugh Marshall

Business Support Officer

Office of Groundwater Impact Assessment

Department of Regional Development, Manufacturing and Water

[07 3199 7317](tel:0731997317) | hugh.marshall@rdmw.qld.gov.au

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business.qld.gov.au/ogia

From: [Hugh Marshall](#)
To: [Sanjeev Pandey](#); [Gerhard Schoning](#); [Steven Flook](#)
Subject: 20/21 projects and budget
Attachments: [20-21_planning.xlsx](#)

Gents,

Apologies that this was not sent out immediately following our previous meeting; I found that I had drafted an email but never sent it, I'm not sure why.

Please find attached an excerpt from our monthly finance tracking file – excerpted because using the whole file would rely on linkages to SAP, which break when working from home – into which we can plug our planned project/program expenditure for FY 2020/21.

For our discussion and completion on Friday afternoon.

Cheers,

-Hugh

Join Microsoft Teams Meeting <https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODBmYmU0OTAtMGUzNy00MDM2LWJkZmUtZTRiMzFkMWNjNTQy%40thread.v2%0?context=%7b%22Tid%22%3a%22d16de530-94e7-4158-b7e2-6ee220af628d%22%2c%22Oid%22%3a%222545bdae-a64a-4acd-a47e-6f8da1df2856%22%7d>

Learn more about Teams <<https://aka.ms/JoinTeamsMeeting>> | Meeting options <https://teams.microsoft.com/meetingOptions/?organizerId=2545bdae-a64a-4acd-a47e-6f8da1df2856&tenantId=d16de530-94e7-4158-b7e2-6ee220af628d&threadId=19_meeting_ODBmYmU0OTAtMGUzNy00MDM2LWJkZmUtZTRiMzFkMWNjNTQy@thread.v2&messageId=0&language=en-US>

Employee expenses (a)	Position	Personnel	Level	Paypoint	Rate	Details	Budget FIXED		Count/Forecast EOFY		
							FTE	Cost	FTE	Non-FTE	Cost
732657	Executive Director	Sanjeev	SES	s.73 Irrelevant information							
743443	Dir Strat. & Imp.	Steve	SO								
727390	Dir Assess. & Mod	Gerhard	SO								
727372	Business Manager	Ben Sturgess	AO8								
76031851	Chief Hydrologist	Linda	PO6								
76031856	Team leader	Mick Stadter	PO6								
76031857	Principal Hydro	Des Owen	PO6								
747754	Principal Hydro	Anna	PO6								
727366	Prin. Proj. Officer	Sean	AO7								
76031844	Prin. Proj. Officer	Lynne	AO7								
727365	Prin. Proj. Officer	Daan	PO5								
727367	Prin. Proj. Officer	Vacant	PO5								
76031859	Snr. Proj. Officer	Dhananjay	PO4								
76031855	Snr. Proj. Officer	Ben Cairns	PO4								
76032977	Snr Info & DM Officer	Ben Ross	AO6								
76031858	Snr. Project Officer	Vacant	PO4								
76031852	Snr. Project Officer	Dean	PO4								
76031854	Project Officer	Jo	PO3								
727368	Project Officer	Krysten	AO5								
727371	Proj. Support Officer	Supriya	AO4								
753085	Bus. Support Officer	Hugh	AO6								
										\$0	\$0
										\$0	\$0
							15.25	\$2,048,253	13.26	0.00	\$1,805,284
							FTE	Budget	FTE	Non-FTE	Cost

Non-payroll (Agency)	Role	Personnel	Level	Paypoint	Rate /hr	Details	Hrs per day	Days	Non-FTE	Committed
										\$0
										\$0
Mark Gallagher	Groundwater modeller	Mark G	N/A							
Randstad	Report editor	Moya	AO8							
Randstad	Principal Hydro	Mick	PO6							
Randstad	Snr Info & DM Of.	Ben Ross	AO6							
Tactical	Principal Hydro	Des	PO6							
										\$235,000
										\$373,483
										Total Personnel
										\$2,283,253
										\$2,178,767

Contractors/Consultants	Company/Project	Personnel	Rate	Qty	Contract	Details	Budget	isation rate	Committed
	Watermark	s.73 Irrelevant infor				Jun 19 to Jun 20		0.70	\$9,310
	Schlumberger					Petrel licence/maintenance		1.00	\$26,781
Regional Modelling							\$230,000		\$0
									\$0
Hydrogeo. Assess.	Horrane Geophysical survey							1.00	\$100,000
	Condamime Tracer study							1.00	\$25,000
Consultancy (Outsourced)	Table G-3 bore assessmnt						\$300,000	1.00	\$50,000
									\$0

								\$0
Spring monitoring pilot	DSITI	\$16,267	1	\$16,267	Remainder of unused contract		0.00	\$0
Spring monitoring pilot	CDM Smith	s.73 Irrelevant infor \$195	123	\$23,985	Remainder of unused contract	\$0	1.00	\$23,985
SW-GW interaction								\$0
TAP	s.73 Irrelevant information	~\$2,368.65	~12 days	\$28,424	Remainder of unused contracts		0.00	\$0
	<i>Data compiler (AO3/4)</i>		1	\$40,000			1.00	\$40,000
	<i>Python - develop workflows</i>		1	\$50,000			1.00	\$50,000
	<i>Outside CMA - compile metadata</i> Contractor		1	\$40,000			1.00	\$40,000
Data mgmt & bus. support	Earth Science	\$20,000	1	\$20,000	ESdat desktop licence/maint.	\$110,000	1.00	\$20,000
	DSITI	\$8,168	1	\$8,168	ESdat server upgrade and hosting		1.00	\$8,168
								\$0
								\$640,000
								\$393,244

\$2,923,253

\$2,572,010

Left to allocate
Variance in Supplies&Svcs.
Position

\$351,242
-\$56,665
\$407,907

Published on RDMW Disclosure Led
RTI Act 2009

Date : 8/05/2020 9:38:52 AM
From : "Hugh Marshall"
To : "Sanjeev Pandey" , "Gerhard Schoning" , "Steven Flook"
Subject : 20/21 projects and budget
Attachment : 20-21 planning.xlsx;

*** postponing until Monday to give us all more time to prepare for this discussion ***

Gents,

Apologies that this was not sent out immediately following our previous meeting; I found that I had drafted an email but never sent it, I'm not sure why.

Please find attached an excerpt from our monthly finance tracking file – excerpted because using the whole file would rely on linkages to SAP, which break when working from home – into which we can plug our planned project/program expenditure for FY 2020/21.

For our discussion and completion on Friday afternoon.

Cheers,
-Hugh

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Date : 11/05/2020 7:50:51 PM
From : "Hugh Marshall"
To : "Hugh Marshall"
Subject : FW: 20/21 projects and budget
Attachment : 20-21 planning.xlsx;

Hey

s.73 Irrelevant information

Just letting you know I haven't rescheduled this one s.73 Irrelevant information

-----Original Appointment-----

From: MARSHALL Hugh <Hugh.Marshall@dnrme.qld.gov.au>
Sent: Wednesday, 6 May 2020 10:58 AM
To: MARSHALL Hugh; PANDEY Sanjeev; SCHONING Gerhard; FLOOK Steven
Subject: 20/21 projects and budget
When: Monday, 11 May 2020 1:30 PM-2:30 PM (UTC+10:00) Brisbane.
Where: Microsoft Teams Meeting

*** postponing until Monday to give us all more time to prepare for this discussion ***

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Date : 12/05/2020 9:25:20 AM
From : "Hugh Marshall"
To : "Sanjeev Pandey" , "Gerhard Schoning" , "Steven Flook"
Subject : 20/21 projects and budget
Attachment : 20-21 planning.xlsx;

*** postponing AGAIN due to my absence yesterday ***

Apologies that this is now scheduled for a morning; we're running out of days before the EAC meeting next week.

Cheers,
-Hugh

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Cheers,
-Hugh

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Date : 13/05/2020 10:52:58 AM

From : "Hugh Marshall"

To : "Sanjeev Pandey" , "Gerhard Schoning" , "Steven Flook" , "Hugh Marshall"

Subject : Canceled: 20/21 projects and budget

Attachment : 20-21 planning.xlsx;

As per Sanjeev's email, we will work to develop a draft budget first, before we meet to finalise.

*** postponing AGAIN due to my absence yesterday ***

Apologies that this is now scheduled for a morning; we're running out of days before the EAC meeting next week.

Cheers,
-Hugh

*** postponing until Monday to give us all more time to prepare for this discussion ***

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Cheers,
-Hugh

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Date : 22/06/2021 9:49:00 AM
From : "Sanjeev Pandey"
To : "GREWAL Nancy"
Cc : "Hugh Marshall" , "jodie.columbine" , "Stuart Flatley"
Subject : RE: OGIA Budget - external review
Attachment : Agenda paper 4 - Planned expenditure 2021-22.docx;image001.png;
Hi Nancy

Yesterday we held our EAC meeting to seek endorsement of OGIA's 2021-22 budget. The budget (\$5.199 + contingency) is unanimously endorsed by the EAC – with an acknowledgement that the corporate cost (ISC) may change. No issues were raised. FYI the budget paper is as attached.

As a next step, we are now submitting BN for Minister's approval with you as an information officer.

On a separate note, the committee raised serious concerns around impact of FTE cap on OGIA's business. They are now intending to write a letter to the DG on this.

Regards
Sanjeev

From: GREWAL Nancy <Nancy.Grewal@rdmw.qld.gov.au>
Sent: Tuesday, 1 June 2021 2:34 PM
To: PANDEY Sanjeev
Cc: MARSHALL Hugh; jodie.columbine; FLATLEY Stuart
Subject: RE: OGIA Budget - external review

Sanjeev, week of 7th June is better suited please, we have state budget priorities that the team is working through and occupied with this week

Regards



Nancy Grewal
Acting Chief Financial Officer
Corporate Financial Services
Department of Regional Development, Manufacturing and Water

P: 07 3166 0147
E: nancy.grewal@rdmw.qld.gov.au
A: Level 33, 1 William Street, Brisbane QLD 4000

From: PANDEY Sanjeev <Sanjeev.Pandey@rdmw.qld.gov.au>
Sent: Tuesday, 1 June 2021 2:25 PM
To: GREWAL Nancy
Cc: MARSHALL Hugh; jodie.columbine; FLATLEY Stuart
Subject: RE: OGIA Budget - external review

Thanks Nancy.

Yes would be good to meet- perhaps sooner rather than later. I will get Krysten to find some time in our diaries – preferably this week.

Regards
Sanjeev

From: GREWAL Nancy <Nancy.Grewal@rdmw.qld.gov.au>
Sent: Tuesday, 1 June 2021 2:20 PM
To: PANDEY Sanjeev; FLATLEY Stuart
Cc: MARSHALL Hugh; jodie.columbine
Subject: RE: OGIA Budget - external review

Hi Sanjeev

Thanking you for taking the time to reach out.

As the newly established corporate finance team, I am wanting to take the opportunity to have an appraisal meeting with yourself in the next 2 to 3 weeks.

I had a conversation with Hugh prior to him commencing the leave. I understand from Hugh, the EAC meeting is pencilled in for around 18 June. When back onboard, Hugh will touch base with me to organise a time ahead of this scheduled meeting.

I look forward to meeting with you soon to discuss the OGIA specific processes in place and how Corp Finance can add value to OGIA

Kind Regards



Nancy Grewal
Acting Chief Financial Officer
Corporate Financial Services
Department of Regional Development, Manufacturing and Water

P: 07 3166 0147
E: nancy.grewal@rdmw.qld.gov.au
A: Level 33, 1 William Street, Brisbane QLD 4000

From: PANDEY Sanjeev <Sanjeev.Pandey@rdmw.qld.gov.au>
Sent: Tuesday, 1 June 2021 9:07 AM
To: GREWAL Nancy; FLATLEY Stuart
Cc: MARSHALL Hugh
Subject: RE: OGIA Budget - external review

Hi Nancy

OGIA is an independent entity funded through an industry levy and housed within DRDMW now. Under the statute, our budget is prepared by the ED of OGIA (i.e. me) and is approved by the Minister. We also have a statutory advisory body called the Expenditure Advisory Committee (EAC) from whom I seek endorsement of the budget – typically around May before seeking Minister's approval.

Happy to chat to run through more details.

Regards



Sanjeev Pandey
Executive Director
Office of Groundwater Impact Assessment
Department of Regional Development, Manufacturing and Water

P: 07 3199 7316 M: 0421 424 593
E: sanjeev.pandey@rdmw.qld.gov.au W:
<https://www.dnrm.qld.gov.au/ogia>

From: FLATLEY Stuart <Stuart.Flatley@rdmw.qld.gov.au>
Sent: Monday, 24 May 2021 7:38 AM
To: MARSHALL Hugh
Subject: FW: OGIA Budget - external review
Importance: High

Hi Hugh,

Just a heads up, Nancy may contact you re the OGIA budget.

Nancy is acting CFO.

Regards



Stuart Flatley
Business Support Advisor, Financial Lead
Divisional Support
Department of Regional Development, Manufacturing and Water

P: 07 3199 8278
E: stuart.flatley@rdmw.qld.gov.au
A: Level 5, 1 William Street, Brisbane, Brisbane QLD 4001 | PO BOX 15216, City East, QLD 4002
W: www.rdmw.qld.gov.au

From: GREWAL Nancy <Nancy.Grewal@rdmw.qld.gov.au>
Sent: Sunday, 23 May 2021 8:15 AM
To: FLATLEY Stuart
Cc: jodie.columbine
Subject: OGIA Budget - external review

Importance: High

Hi Stuart

I have come to learn about OGIA prepping their budget with an external review focus, are you able to please share more details.

I would like this intercepted please, let me know who I need to get in touch with. OGIA would need to seek finance endorsement prior to sharing any financials.

Regards



Nancy Grewal
Acting Chief Financial Officer
Corporate Financial Services
Department of Regional Development, Manufacturing and Water

P: 07 3166 0147

E: nancy.grewal@rdmw.qld.gov.au

A: Level 33, 1 William Street, Brisbane QLD 4000