



Bromelton Energy and Resource Centre Stakeholder Reference Group *Online*

Meeting #3 | 7 October 2025



Acknowledgement of Country

Cleanaway acknowledges the Traditional Owners of the lands on which we operate and in the communities in which we exist. Today we are discussing land under the custodianship of the Mununjali people.

We celebrate the diversity of Aboriginal peoples and their ongoing cultures and connections to the lands and waters of this country.

We are proud to pay our respects to Elders past, present and future, for they hold the traditions and the cultures, and together we hold the hopes of a truly reconciled Australia.

Online format

Use camera if possible

Keep on mute unless speaking

Raise hand feature to ask questions

Q&As as provided before session – additional questions can be raised at future meetings

Agenda

1. Local benefits brainstorm
2. Q&As
3. Next meeting
4. Actions and close

Local benefits brainstorm

What does the local community need?

- High school research / education program
- Construction material use: mountain bike trail upgrades, local flood recovery construction, new walking and running tracks
- PCYC construction support
- YACC driver assistance – keen to double / triple opportunities
- Traveling to BERC with those who don't have car or licence – shuttle opportunity to support workers, visitors
- Facilities to keep people here for entertainment
- Visitor centre repurpose during emergencies (evacuation centre)
- BMX tracks
- Local youth training / apprenticeships
- Rural site opportunities – wider than Beaudesert
- School / student opportunities in rural areas outside Beaudesert
- Schools from Scenic Rim gatherings (CRISS): discuss variety of issues – Cleanaway can attend and put forward ideas that schools could get on board with. Involves schools from Tamborine Mountain, Boonah, Beaudesert, Kooralbyn, McAuley
- Cleanaway career pathway opportunities / connections – student exposure. STEM opportunities
- Boonah / Beaudesert High have strong ag departments; sustainability focus or research opportunities

Local benefits brainstorm

- Future Community benefit fund – examples given of grants provided; noted assessment and funds allocation by Community Reference Group

*What does the
local community
need?*

Responses to questions from SRG #1

1. What makes up residual waste?
2. What percentage of waste goes to different Cleanaway facilities? (recycling, landfill)
3. Site selection
4. Water supply to the BERC
5. Transport and traffic volumes
6. Office of Coordinator-General process and consultation
7. Workplace health & safety

Due to time constraints, this section was not discussed at SRG #2 – for future meeting discussion

Responses to questions from SRG #1

1. What makes up residual waste?

The BERC will process residual waste, which is the waste from homes, businesses and organisations, where source separation is in place to first remove waste that can be recovered or recycled. This is usually the waste placed in the red bin after sorting.

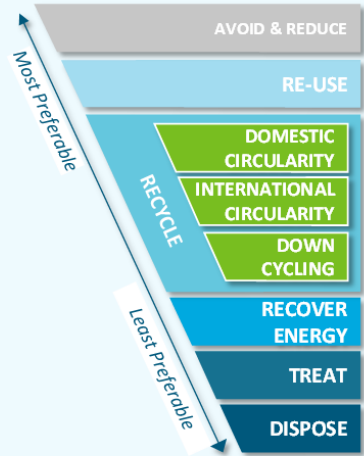
The residual waste typically includes items that cannot be recycled yet such as nappies and sanitary items, tissues, non-recyclable plastics and packaging, worn out clothing and other general household waste.



Due to time constraints, this section was not discussed at SRG #2 – for future meeting discussion

Responses to questions from SRG #1

Waste hierarchy



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2. What percentage of waste goes to different Cleanaway facilities? (recycling, landfill)

- ✓ Over \$130 million invested in bottle-to-bottle plastic recycling plans
- ✓ Equivalent to 2 billion PET bottles recycled every year
- ✓ First in Australia HDPE/PP recycling plant processing 20,000 tonnes for recycled yogurt containers, milk cartons and person care packaging

Due to time constraints, this section was not discussed at SRG #2 – for future meeting discussion

Responses to questions from SRG #1

3. Site selection

Were any other sites considered and discounted before purchasing land at Bromelton ? Where were they? Why were they not considered suitable ?

Why was the Bromelton site a better location?

Was Cleanaway directed by the Qld Gov to locate their plant in this general area?

While Cleanaway considered other options, Bromelton stood out as the most suitable location due to its combination of appropriate zoning, central location, connectivity and the opportunity to partner with surrounding industry. Other sites were either not zoned for this type of operation, lacked transport and logistics advantages, or did not offer the same potential for industrial collaboration.

Cleanaway was not directed by government to locate at this site. This site was chosen due to its SDA and Special Industry Precinct for difficult to locate industry zoning. It is centrally located in South East Queensland with good connectivity and presents unique opportunity to partner with adjacent industry and operators for offtake of energy and resources recovered, and circular economy precinct opportunities.

Due to time constraints, this section was not discussed at SRG #2 – for future meeting discussion

Responses to questions from SRG #1

4. Water supply to the BERC

- BERC will prioritise water reuse to minimise demand on the local water network. The design includes four 100kL rainwater tanks to capture and store rainwater for reuse across the site. Additionally, process water will be recycled internally wherever possible to further reduce reliance on external water supplies and support sustainable operations.
- Water use is estimated to be 500m³/day (average of 6.4l/s).
- An exiting DN375 DI main which generally follows the Beaudesert Boonah Rd alignment terminates to the east of the BERC site.
- The main was built in 2018 in anticipation for the Bromelton SDA however there have been no customer connections to date.



Figure 1: Existing infrastructure within the vicinity of the subject site

- A Service Advice Notice was sought from Queensland Urban Utilities (extract right).
 - QUU have confirmed that there is sufficient capacity in the DN375 main to support the full BERC operational demand.
2. Urban Utilities has conducted additional modelling and can confirm that capacity is available within the existing DN375 main to accommodate for the increase water demand, assuming reconnection is established per 23-SAN-64867 advice. Prior advice indicated concern regarding water quality and adequate turnover of the existing DN375. The current proposed demand reduces water age within the existing main to within a more desirable range providing confidence water quality may be provided in accordance with drinking water standards. On this basis, Urban Utilities support the increased demand as it is necessary to effectively commission the existing main.

Due to time constraints, this section was not discussed at SRG #2 – for future meeting discussion

Responses to questions from SRG #1

4. Transport and traffic volumes

What are the proposed routes?

Trucks and vehicles will use different routes depending on where they are coming from. Key access roads are expected to include Beaudesert Boonah Road, Ipswich Boonah Road, Mt Lindesay Highway and the M1. A detailed route plan will be finalised before operations begin based on contract waste collection areas.

What measures have Cleanaway planned to avoid adding to & alleviating the transport 'bottleneck' that exists on existing transport routes to the Bromelton site ie Mt Lindesay Hwy, Boonah Beaudesert Rd, Beaudesert Tamborine Rd & Mundoolun Connecton Rd (to Canungra & Gold Coast)?

Cleanaway is preparing a detailed Traffic Impact Assessment which uses TMR methodology to identify impacts on the road network – this measures current traffic levels and estimates BERC-generated traffic.

This assessment will be made available to the public in 2026 for review and consultation.

Waste delivery

Waste will come from local councils across South East Queensland, with a primary focus on those closest to the BERC site.

Traffic volumes



This includes:

- Waste deliveries
- Delivery of materials and supplies
- Vehicles removing by-products from the plant
- Staff vehicles

Due to time constraints, this section was not discussed at SRG #2 – for future meeting discussion

Responses to questions from SRG #1

6. Office of Coordinator-General process and consultation

The Coordinator-General assesses and decides all SDA applications. As part of this process, the Coordinator-General decides if the application requires referral entity involvement. We expect the referral entities to be Department of the Environment, Tourism, Science and Innovation (DETSI), Department of State Development, Infrastructure and Planning (DSDIP), Department of Primary Industries (DPI), SEQ Water, Queensland Urban Utilities (QUU), Energy Queensland (Energex), Transport and Main Roads (TMR), Scenic Rim Regional Council. Environmental approvals are given by DETSI. Local works approvals are given by Scenic Rim Regional Council.

The public consultation policy helps the Coordinator-General determine whether an SDA application may be required to undergo public consultation. This process usually involves newspaper notice, site sign and letters to adjoining landholders. The public are invited to make submissions on the SDA application to the Office of the Coordinator-General online. Reports and application material will be made available during the public notification period (a minimum 3 weeks – to be confirmed by OCG).

Normally submissions are made online or via email during the public consultation. The method will need to be confirmed with OCG. Acceptance and consideration of submissions received outside of this period is at the discretion of OCG.

Referral and public consultation for the BERC are expected in mid 2026.

For more information:

[Public consultation policy, State development areas](#)
[Referral and the role of referral entities](#)

Due to time constraints, this section was not discussed at SRG #2 – for future meeting discussion

Responses to questions from SRG #1

7. Workplace health & safety: statistics about accidents and incidents from similar facilities and what safety training is provided (initially and ongoing)

Robust training to cover hazard identification, emergency response, equipment handling, and ongoing refresher courses.

Cleanaway behavioural standards: a strong safety culture, with leadership accountability, employee engagement, and a Zero Harm approach.

Continuous monitoring, transparent reporting, and proactive risk reduction are essential to enhance safety outcomes.

Due to time constraints, this section was not discussed at SRG #2 – for future meeting discussion

Additional questions

8. Odour management – how specifically will this be dealt with?

Negative pressure on the tipping hall entry doors means odour will be contained inside the facility – odours are not noticed outside these facilities.

Additional questions

9. What actions will be taken to ensure designated haul routes will be used (and not local rural roads used as short cuts which currently happens)?

Cleanaway and supplier trucks will abide by the B-double / heavy vehicle routes designated by the Queensland Department of Transport and Main Roads. We will also comply with the National Heavy Vehicle Regulator (NHVR) requirements. The NHVR is Australia's independent regulator for all vehicles over 4.5 tonnes mass and is the statutory authority responsible for heavy vehicle compliance and regulation under the Heavy Vehicle National Law. Additional Cleanaway measures like driver training and in-vehicle monitoring systems will be implemented.

10. What actions will be taken about increase in heavy transport using local roads and Mt Lindsey Highway?

The transport impact assessment is still in progress, where we work with Transport and Main Roads on level of impact and mitigations required. More information will be available in 2026 in the technical assessment reports.

Additional questions

11. What are the emissions that will be monitored at the facility?

Each grate line will be equipped with a Continuous Emission Monitoring System (CEMS). The CEMS will provide continuous monitoring of the flue gas to ensure the Project is compliant with EA limits. This also assists in providing real time feedback to the control systems to make automatic adjustments to the injection rates for the flue gas treatment and emission control systems and flue gas oxygen content, for the automatic combustion control system.

Continuous monitoring will be installed for all pollutants that must be continuously monitored including:

- NO_x – Nitrogen Oxides
- SO_x – Sulfur Oxides
- CO – Carbon Monoxide
- Particulates – Particulate Matter
- TOC – Total Organic Carbon
- HCl – Hydrogen Chloride
- HF – Hydrogen Fluoride
- NH₃ – Ammonia
- SO₂ – Sulfur Dioxide

For pollutants with levels below limits of detection or where continuous monitoring is not feasible, routine sampling and testing will be established to ensure that the facility complies with environmental obligations. Auxiliary parameters such as flow rate, temperature, pressure, moisture content, oxygen and CO₂ will also be measured as part of the CEMS.

Additional questions

12. Do we need independent and regular oversight on behalf of residents of the Scenic Rim to ensure that operating guidelines set down for the BERC are adhered to, both in the short and long term? That oversight could be extended to other emitters in the Beaudesert and Bromelton areas? (relates to air emissions)

Air monitoring for BERC will be subject to the Queensland Government's Environmental Protection (Air) Policy 2019. The facility will need to meet strict conditions for monitoring and reporting that will be outlined by Government when approval is given for the proposal to proceed.

Next SRG meeting

Next meeting: 27 November 2025 – in person at The Centre, Beaudesert

Deep dive specialist presentation topics:

- Dr Taku Ide, Head of Carbon: Cleanaway's decarbonisation & EfW carbon
- Dr Jeroen Wassenaar, Head of Innovation: Cleanaway's investments in plastic recycling

Actions and close

- Summarise actions / topics for future sessions
- Meeting minutes distributed and on website