

[REDACTED]

From: [REDACTED]
Sent: Wednesday, 8 October 2025 4:11 PM
To: [REDACTED]
[REDACTED]
Subject: [EXTERNAL] Re: [SEC=OFFICIAL: Sensitive] FW: Ballarat North PSP - Powercor

Hi Alison,

Thanks for confirming. After reviewing internally, we'd like to keep **R34** in the PSP, as it includes important provisions related to REFCL isolating transformer space and bushfire risk compliance.

Please retain **R34** in the current version.

Regards,

[REDACTED]

Senior Network Solutions Engineer - Forecasting & Insights | Electricity Networks

CitiPower Pty Ltd, Powercor Australia Ltd & United Energy Pty Ltd

[REDACTED]
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[REDACTED]

Sent: 08 October 2025 10:54 AM

To: [REDACTED]
[REDACTED]
[REDACTED]

Subject: RE: [SEC=OFFICIAL: Sensitive] FW: Ballarat North PSP - Powercor

Hi [REDACTED],

I have received your following email via [REDACTED]. She has noted that you have confirmed over a phone call earlier that the following email to be considered as a submission to the Ballarat North PSP.

Thank you for providing the following technical information, we note the need for a new zone substation in the long term, which would be more likely located in the expanded area.

Regarding the PSP Requirements – we note the current public consultation version of the PSP has R34 and R35 removed.

Kind regards,
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
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[REDACTED]
[REDACTED]
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Department
of Transport
and Planning



I acknowledge all Traditional Owners across Victoria, their Elders past and present. I recognise their continued connection to the land and waters which the Victorian Transport and Planning systems operate on. I am committed to building genuine partnerships with Traditional Owners and the First Peoples community to progress and achieve their aspirations and meet their expectations.

From: [REDACTED]

Sent: Wednesday, 1 October 2025 11:42 AM

To: [REDACTED]
[REDACTED]
[REDACTED]

Subject: [EXTERNAL] Ballarat North PSP - Powercor

Hi [REDACTED],

My name is [REDACTED] and I look after PSP matters on behalf of the business.

I received your message while I was overseas on leave, and now that I've returned, I'm following up. In the meantime, please find attached our response to your PSP request from last year. From my review, your current request has not changed significantly, so our previous response remains valid.

For ease of reference, I've summarised the key points below:

Summary of Previous Response

Projected Load and Network Impacts

- Development is expected to include ~6,688 lots, supporting an estimated population of 18,762 (~32.7 MVA at 4.9 kVA ADMD).
- This growth will likely require 2–3 new feeders.
- Initial servicing can be supported by the Ballarat North (BAN) zone substation with transfers to Ballarat East (BAE).
- In the long term, a new zone substation may be required.

Existing Infrastructure and Upgrades

- The existing overhead 66 kV BAN–BGR line may require reconductoring to support future load demands and should be considered in long-term planning.

Specific PSP Provisions

- *R33*: Requirement for underground supply aligns with standard practice.
- *R34*: Recommend updating to include provisions for REFCL isolating transformer space, addressing bushfire risk and compliance.
- *R35*: Recommend removing kiosk transformer autotap clause — decisions on autotap use are an operational matter for Powercor.

Zone Substation Considerations

- A new zone substation is more likely to be located outside the Expanded Area of the Ballarat North PSP.
- Based on current forecasts, Ballarat West ZSS is unlikely to be required within the next 10 years unless major new load arises.

Future-Proofing the Expanded Area

- While outside the current PSP, planning for growth in the Expanded Area is supported.
- Coordination of infrastructure between the Core and Expanded Areas will ensure efficient long-term development.

Additional Technical Considerations

- **Core area demand:** ~33 MVA based on 6,700 dwellings (ADMD method).
- **Substation location:** A new ZSS could be sited near the existing 66 kV line to leverage viable supply routes and proximity to major loads.
- **Kiosk substation reserves:** Standard size 7.2m × 7.2m should be factored into land allocation.
- **Network layout:** Existing 66 kV line (refer attached map) could support a future ZSS.

This analysis highlights the need for detailed planning on feeder capacity, substation siting, and upgrades. Further technical and financial studies will be required as development progresses.

Please let me know if you'd like us to revisit any specific aspects or provide additional detail.

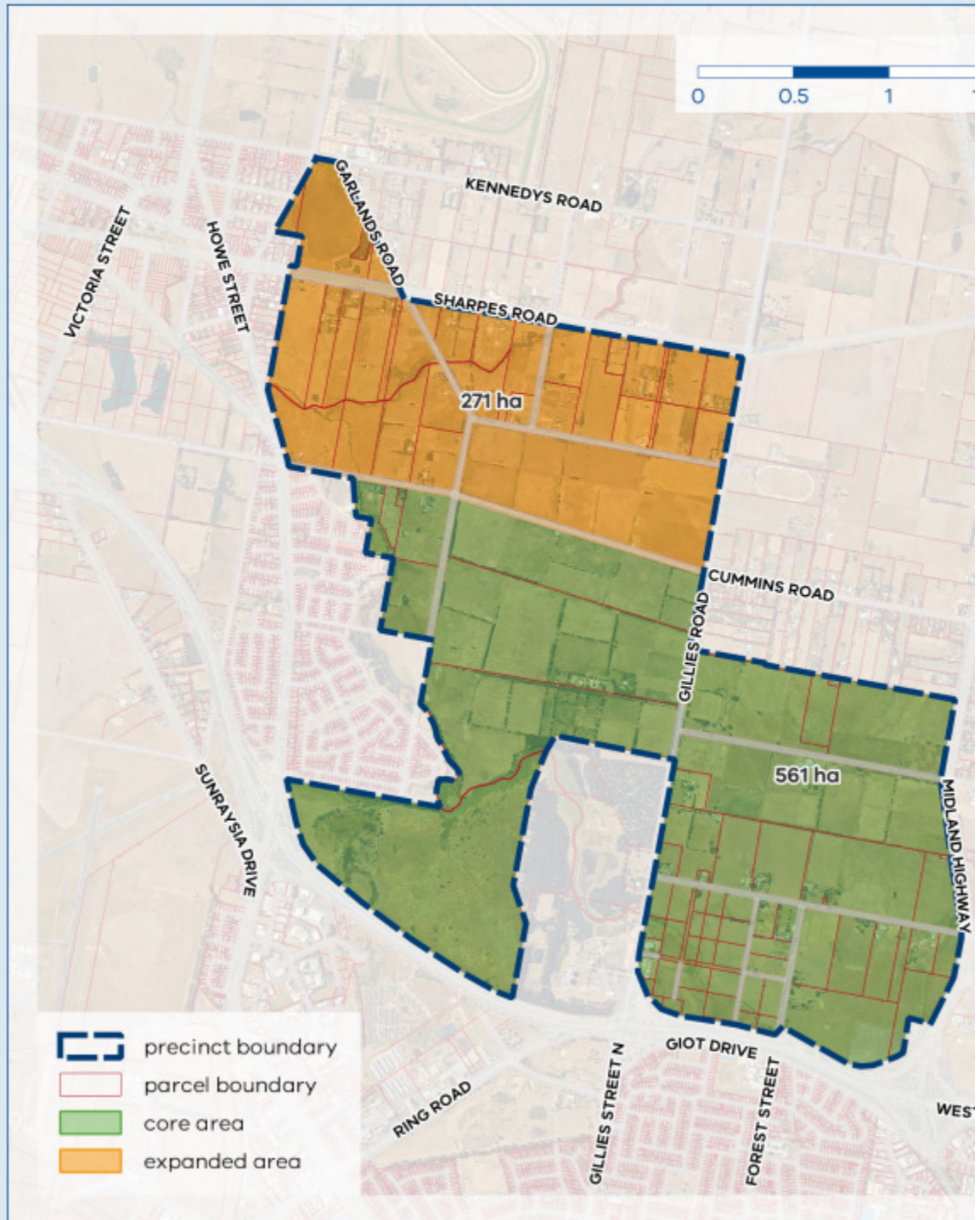
Distribution Network Layout and Configuration:

Existing 66kV Line: There is an existing 66kV line (shown in red in the attached map) that could be used to supply a new zone substation. This should be factored into the planning for future infrastructure.



Core and expanded precinct areas

Ballarat North PSP



○

Regards,

Senior Network Solutions Engineer - Forecasting & Insights | Electricity Networks

CitiPower Pty Ltd, Powercor Australia Ltd & United Energy Pty Ltd

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[REDACTED]

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[REDACTED]

