



GREENING EUROA

Second-hand water

Giving life to country towns

Steve Nash, Operations Manager

GVW's System

- Northern District
- Central District
- South West District
- South East District



Euroa and Violet Town

Strathbogie Shire Council (SSC)



GVW customer info

- Euroa district population of 4281 (2021)
- Town population of 2900 (2016), including:
 - 1680 residential customers
 - 200 commercial customers
 - 1 industrial customer
- Water demand
 - Peak demand Day 5ML
 - Average summer day - 3.5ML
 - Annual around 500ML
- Sewer reticulation system
 - Annual inflow of 330ML
 - Class C reuse water for Euroa Golf Course irrigation
 - Class C used for GVW farm irrigation
 - Council draw wastewater from Pond 4 for road works





Town features



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Stage 2 restrictions in place for district

By GRACE EVANS

AFTER months of severely dry weather and minimal rainfall for the region, Euroa and its surrounding towns have officially begun Stage 2 water restrictions.

Electronic signs around the township have begun to appear reminding residents that restrictions are in place, with the second Abbings storage which services Euroa and Violet Town, currently sitting on 22 per cent as of April 16.

Goulburn Valley Water (GVW) determines the introduction of restrictions based on reaching trigger points identified in their

drought response plans for our unregulated systems (including Euroa), in line with demand and inflow forecast modelling.

General manager of service delivery at GVW Daniel Flanagan said they are continually assessing the levels and inflows into the storages, along with current demand, and expected future demand based on historic behaviour and Bureau of Meteorology forecasting.

"Our data shows us that water usage in Euroa and Violet Town has remained steady, despite the introduction of restrictions on April 11," Mr Flanagan said.

"If storage levels remain

low, we receive limited rainfall in coming weeks and demand from the community remains high, we will need to look at introducing a higher level of restrictions in the next

couple of weeks."

If stage three restrictions become apparent, Mr Flanagan said GVW will work with the community to provide notice ahead of the changes in restrictions and information and advice on what residents can and can't do.

"We're urging the community to work with us to help reduce water consumption and take action to conserve water under Stage 2 restrictions," he said.



REMINDING RESIDENTS: Signs have appeared around the Euroa township reminding community members to be vigilant with their water usage, after the introduction of Stage 2 restrictions now in place.

2019/2020 drought

- GVW applied Stage 2 restrictions
- Town adhered to restrictions but demand remained high
- Council switched from bore to GVW water supply
- Drought management response enacted



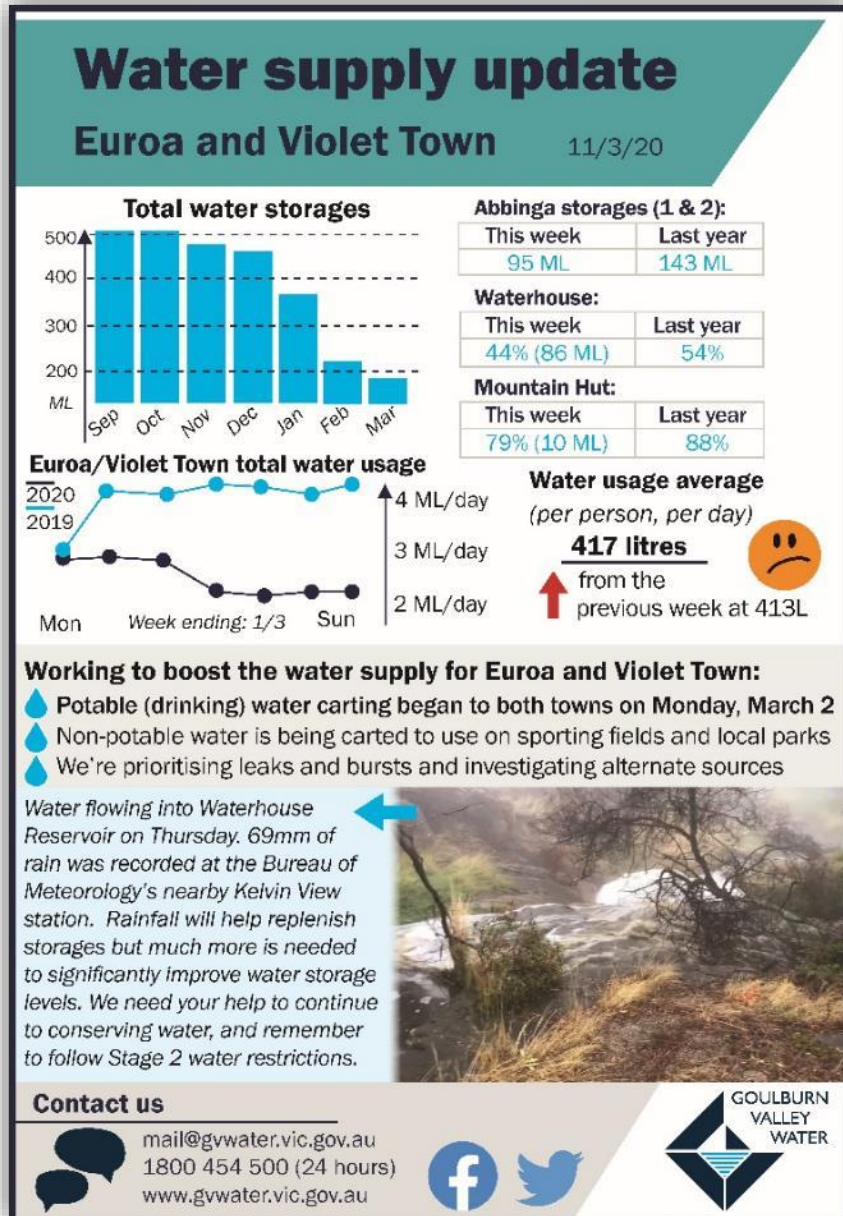
Drought management

Community informed about efforts

- Weekly updates in Euroa Gazette
- Media releases
- Win News coverage
- Discussions with contractors and community

Coordination with Council & user groups

- Volume and irrigation requirements
- Water quality (raw or reuse)
- Events and support (Friendlies)



Why recycled water?

For the community

- Only town on long term restrictions
- Reuse water being used safely on open space
- Dry school ovals
- Greening Euroa evolves

For GVW and Council (SSC)

- Alternative water for irrigation
- Replace potable water in drought
- Partnership established
- Reuse standpipe created

Greening Euroa Project Steering Committee

- Community established a working team
 - Lead by representatives of schools, arboretum and sporting grounds
 - Aim to supply recycled water for irrigation
- SSC formed Greening Euroa Project Steering Committee 21 April 2020 with objectives:
 - Feasibility of recycled water supply to irrigate playing and recreational fields
 - Extend water security and reduce potable water demand
 - Ensure viability of Euroa's outdoor sport and recreational venues



Greening Euroa coming to life

- Submission to DELWP Integrated Water Management program for funding
 - GVW and SSC commits \$100K each
 - Letters of support from Euroa Secondary College, St Johns PS, Euroa PS, Euroa Arboretum
 - **Funding for Stage 1 and 2 provided from DELWP**
- GVW commits to Euroa Reuse Standpipe
- SSC agrees to support and partner





Euroa Reuse Standpipe

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Greening Euroa stages

Stage 1 Feasibility (completed)

- Facility site audits, risk analysis and concept design

Stage 2 Detailed design (90% completed)

- Pipeline size and route, pump station, increased disinfection, SCADA control
- HEMP completed
- Detailed costing and estimate

Stage 3 Project construction (unfunded)

- Promotional videos (6min and 90 second versions)
- Presentation to Council and GVW Executive Team
- Next stage – tender when funds secured.....



Greening Euroa project concept

- Extension of standpipe and golf club system
- Upgrade irrigation pump station
- Extend pipeline to supply selected sites
- Storage tank/s at irrigation sites
- System control, monitoring and alarming
- Valves and flow control – timing for irrigation



Since January, we've seen more than 3.5 megalitres of treated recycled water delivered through our first purple standpipe in Euroa - that's saved more than 3.5 million litres of drinking water!

We're really proud of the standpipe, which is helping to reduce the pressure on other water sources in the region. It's part of the Greening Euroa collaboration, which aims to implement sustainable water supply solutions to help drought-proof the region while keeping spaces green.

We look forward to seeing how the project continues to progress 🍀



Greening Euroa champions

- Local Euroa residents have owned, participated and driven the project
 - All schools involved and participating
 - All user groups represented
 - Taken on sub projects - site audits, promotional video
 - Self funding on-site improvements - tanks, power supply, irrigation system
 - Attended site inspections and audits
 - Reviewed all technical tenders and reports
- Presented and launched the project
 - SSC Council and GVW Executive
 - Spoken from the heart and were spot-on





Promoting Greening Euroa



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Flow on benefits

New alternative water standpipes

- Mansfield Reuse Standpipe (8/3/2022)
- Broadford Raw Water Standpipe (21/4/2022)
- Seymour Golf Club raised to Class B
- Future recycled water units for Shepparton & Kilmore





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Questions?

