

MEETING AGENDA

Transport and City Services Update

Chris Steel MLA, Minister for Transport and City Services, Member for Murrumbidgee



Patty Chier, Senior Design and Planning Engineer, Icon Water

Forum Update

Ryan Hemsley, Convenor, MVCF

MLA Address

Opportunity for MLAs to address the community

Questions and Answers Session



TRANSPORT AND CITY SERVICES UPDATE



Questions?



MAJOR WASTEWATER PROJECTS







Icon Water wastewater treatment renewal projects

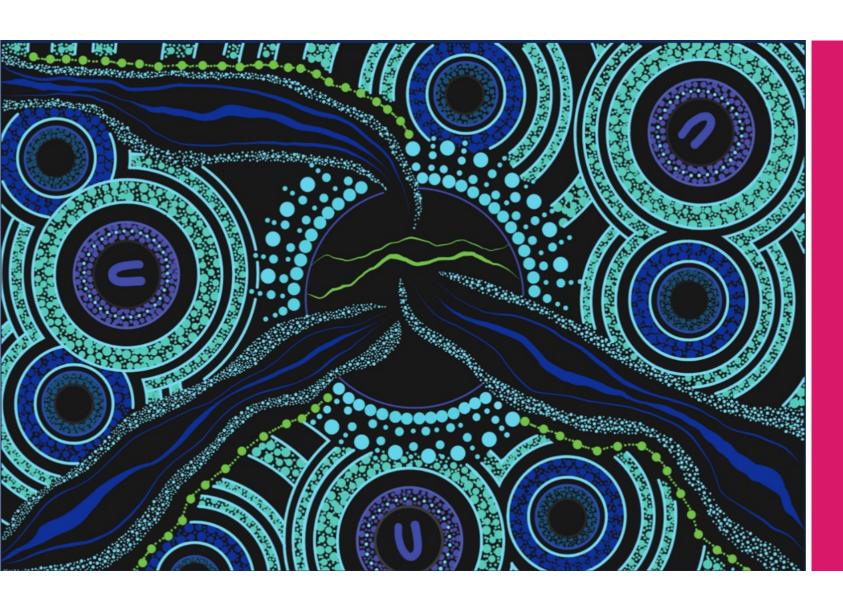
Molonglo Valley Community Forum – 27th July 2023







Acknowledgement of Country



We would like to begin by acknowledging the Ngunnawal people, Traditional Custodians of the land on which we meet today and pay our respects to their Elders past, present, and emerging.

We extend that respect to Aboriginal and Torres Strait Islander peoples here today.

Our challenge

- Our infrastructure and technology is getting older (some are around 50 – 60 years old).
- Canberra is growing and so is the volume of our wastewater that needs to be treated.
- We need to upgrade, or replace parts of our treatment plant.

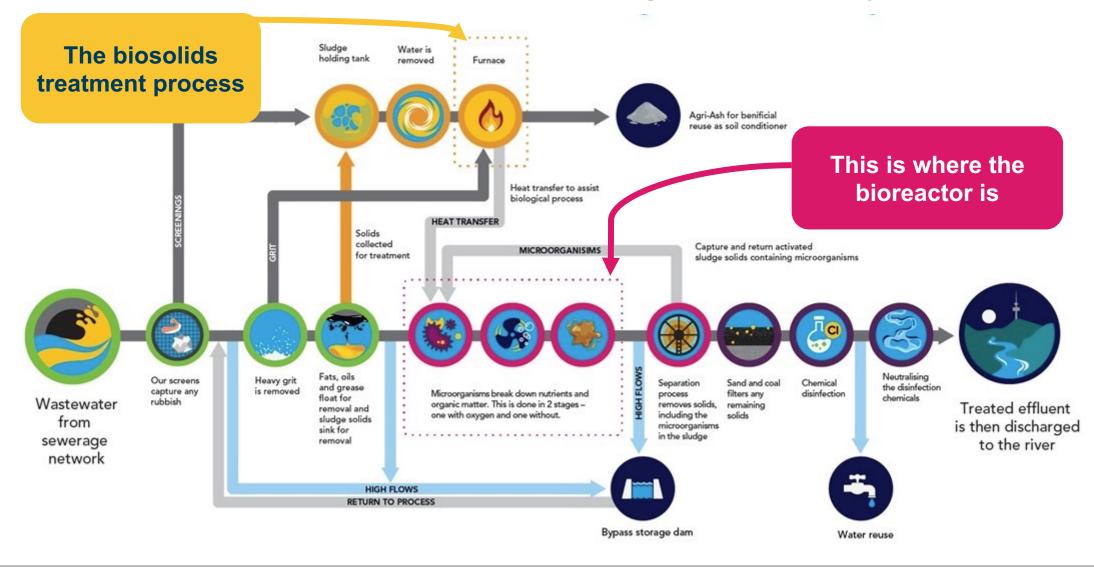
Our solutions approach

- Holistic systems thinking
- Sustainability outcomes focused
- Technology agnostic
- Pragmatic balance of cost, risk and performance
- Socially acceptable



Each day the Lower Molonglo Water Quality Control Centre treats 80 to 90 million litres of wastewater – this is 36 Olympic size swimming pools!

The treatment processes we are talking about today



KEY

Biosolids treatment project Biosolids treatment project Primary Treatment (solids removal)

Secondary Treatment (biological and clarification)

Tertiary Treatment (filtration & disinfection)

Biosolids Treatment

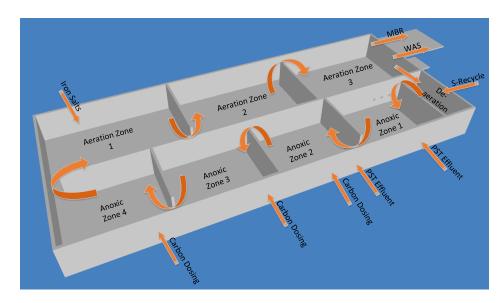
Secondary treatment (bioreactor) project

Technology – Membrane bioreactor (MBR)

- Anoxic (no oxygen) & aerobic (with oxygen) zones in a single tank
- MBRs use submerged membranes to separate biomass from treated effluent.

Summary of benefits:

- It produces a high-quality effluent within a smaller plant footprint.
- Smaller footprint means less material used.
- No additional treatment steps downstream compared to other options.
- Mature, proven technology that is widely used.
- Considered most likely to support future GHG mitigation technology.
- Most cost effective option





Biosolids treatment project

Technology - gasification

- Production of a carbon rich product called biochar.
- Heat treating biosolids with a low oxygen levels.
- This means, instead of full combustion with CO₂, the carbon remains in the biochar.



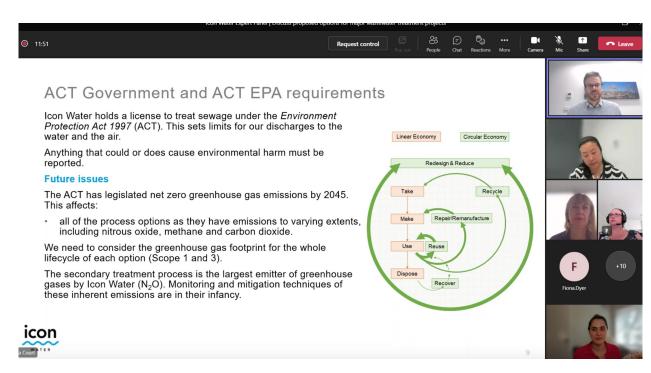
Summary of benefits:

- Opportunity for renewable energy recovery for reuse on site.
- Effective treatment of emerging contaminants, including PFAS, microplastics and pharmaceuticals.
- Creates biochar stores carbon, great for our soil and can potentially be sold.
- It will reduce the site's carbon footprint.
- May assist with additional carbon sequestration into soil carbon at point of application.
- One of the more cost effective options.

Community consultation

Consultation done to date:

- Citizen's Panel: three meetings, 20 recruited participants
- Icon Water Expert Panel: two meetings, six/seven participants
- Environmental groups: one meeting, five groups represented





Current community consultation

What are we doing now?

- Online survey to educate and test sentiment towards our approach.
- Survey has just closed. Thank you for completing the survey!

What are we going to do?

- Results will be published in the coming months.
- These are significant projects. We will continue to find ways to inform and update you.

For more information on the projects, scan the QR code below!



Welcome to Icon Water's community engagement survey. We'd like to talk to you about and get your feedback on some timely upgrades to Canberra's wastewater treatment plant.



But first, do you know what happens to a fish when it gets flushed down the toilet? It doesn't go straight into a river or the ocean, that's for sure!

Our treatment plant deals with whatever gets washed down your household wastewater pipes. At Icon Water, we own and operate this plant and we make sure we maintain and run it efficiently. But it's aging, and Canberra's population is growing.

Here's where you come in. We want to take you on a short journey (10 to 15 minutes), to talk with you about our two big projects being planned, test some ideas and most importantly, get your feedback!

As a thank you for your time, there are a handful of prizes of up to \$500 to be won! If you complete the whole survey, you automatically go into the draw to win a prize.





Thank you

iconwater.com.au









Questions?





UPDATE

KOKO MOLONGLO UPDATE



MOLONGLO VALLEY

"The majority of the store works are completed, and we are anticipating that [the **Woolworth Metro** and **BWS**] will open in early October, alongside a chemist, cafe, Turkish takeaway, bike shop and an Indian grocer."

DRAMA WORKSHOP FOR TEENS



Facilitated by Clare Moss on 5-6 July at the Coombs Community Centre



Q&A SESSION



THANK YOU

Next public meeting 24 August 2023

