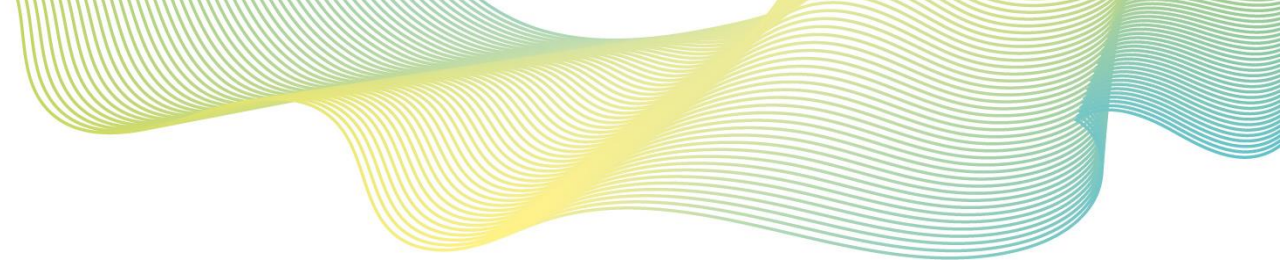


Ready to challenge yourself?

At Hydro Tasmania, we're leaders in renewable energy, powering Australia with clean hydropower. We really care about making a difference for better, but it's a big job and we can't do it alone. Which is where you come in.

A career with us will support you to be the best you can be with open working relationships, genuine opportunity to try things your way and unwavering commitment to excellence.

Together we'll make a difference.



Position Description: **Hydrologist**

Role Overview

- **Position Classification:** HT4
- **Number of Direct Reports:** NIL
- **Team, Business Area:** Portfolio Optimisation and Forecasting, Commercial
- **Immediate Manager:** Head of Portfolio Optimisation and Forecasting
- **Manager-One-Removed (Skip):** EGM Commercial

Role Purpose

The primary focus of this role is to support the implementation and management of a world's best practise ensemble inflow prediction system to support Hydro Tasmania's real time operation and decision support systems.

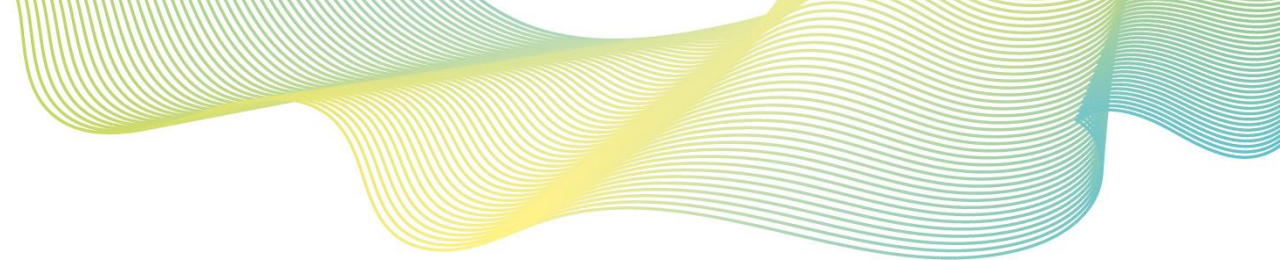
As a member of the hydrology team this role will also support the teams business function of ensuring that hydrometric data, forecasts and the systems and models behind these are maintained to support a broad range of critical business functions (including real-time energy trading, dam safety and flood warning).

Position Description: **Hydrologist**

Role Accountabilities

Technical

- Aid in the development, operationalisation and support of a complex ensemble inflow forecasting system:
 - Configuration and development of ensemble forecasting models and the associated operational environment
 - Conduct hydrometric model maintenance, development and enhancements
 - Help develop and manage processes to ensure forecasting models are accurate and available at all times
 - Provide general advice to stakeholders on model outputs
 - Assess forecast model performance and provide advice to stakeholders when unusual conditions are observed
 - Provide operational support to medium to long-term inflow forecasting as required
- Assist in the management of hydrographic data, including:
 - Provide assistance , where applicable, to ensure the hydrographic data used by the forecasting systems is timely, reliable and accurate.
 - Provide input , where applicable, on complex or ambiguous data issues, in collaboration with the Hydrographic Data Coordinator.



Position Description: **Hydrologist**

Candidate attributes

Technical skills and qualifications

- Tertiary qualifications in hydrology, mathematics or equivalent industry experience

Experience

- >2 years working in a hydrologic modelling role within industry or academia
- Intermediate-to-advanced mathematical modelling skills in Matlab, or Python.

Other desirable experience includes:

- Experience with hydrologic ensemble prediction
- Familiarity with Delft-FEWS forecasting platform
- Familiarity with hydrography and hydrographic data collection
- Experience in the hydrological management of hydroelectric portfolios

Capabilities

- Strong programming/coding skills for the development of hydrological models
- Intermediate-to-advanced mathematical modelling skills
- Demonstrated ability to manage multiple deliverables in a dynamic, fluid and fast-paced environment
- Demonstrated investigative, research and analytical skills with the ability to provide quality advice and apply sound judgment to complex and ambiguous situations
- Commitment to a highly collaborative and supportive team culture
- Accountability for results and a continuous improvement mindset
- Strong interpersonal and communication skills

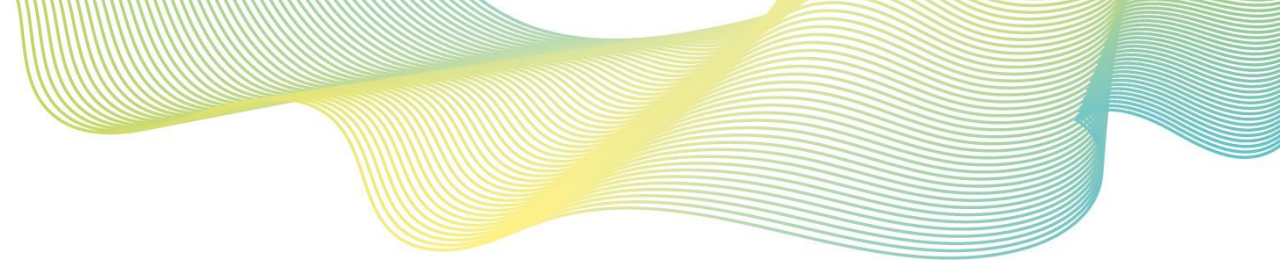
Behavioural competencies

- See the Behavioural Competency Framework on the following page.

Position Description: Hydrologist – Hydrographic Data

Behavioural Competency Framework

Competency	Description	Foundation: works under routine supervision, has defined discretion	Intermediate: operates independently for routine tasks	Advanced: works under broad discretion and fully responsible for planning own work and supervising others	Master: has substantial authority and full accountability
Customer focussed	You build strong customer relationships and have their best interest at heart.		X		
Strategic mindset	You look ahead to future possibilities and think long-term.		X		
Action-oriented	You take on new opportunities and challenges with urgency, energy and enthusiasm.		X		
Collaborative	You build partnerships and work effectively with others to meet shared objectives.		X		
Enables wellbeing	You make purposeful and well-informed choices to optimise wellbeing for self and others.			X	
Instills trust	You gain the confidence and trust of others through honesty, integrity, and authenticity.			X	
Self-aware	You have a good insight into your strengths and weaknesses and are aware of your impact on others.		X		



Organisational Values: **Our Way**



All about our customers

Creating a brighter future for our customers is at the heart of every decision we make. We take time to listen, learn and adapt to deliver innovative product solutions impact solutions that genuinely meet their needs.



Keep each other safe

We've got each other's backs. We care for the well-being of our colleagues and communities and we courageously speak up when things aren't right.



Do the right thing

It's up to all of us to leave a positive legacy for this world. We do the right thing by each other, our communities and our planet by acting with integrity and honesty in all that we do.



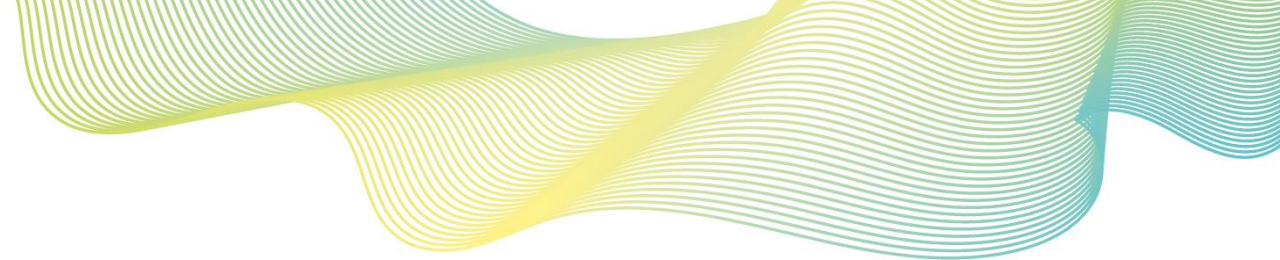
Better together

We create meaningful opportunities when we work together to unlock the power of our diverse talents. We can do great things when we listen and learn from each other's perspectives.



Find a way

We're up for solving even the toughest challenges. We collaborate, innovate and persevere until the job is done. And then we get up and do it again.



Organisational Requirements

Health, safety and security

Fosters and adheres to a culture that enables self and others' safety to make good choices at the forefront of all actions. Contributes to our ability to deliver our services by demonstrating an understanding of cyber security standards and applying them to relevant activities in the workplace.

Compliance and standards

Ensures compliance through actively engaging with stakeholders and maintains awareness of relevant legislation, laws, regulations, standards, codes and Hydro Group policies and procedures. Influences continuous improvement and positive outcomes so they are viewed as adding value.

Diversity and inclusion

Hydro Tasmania group supports applications from all members of our community and equitable access to our employment opportunities. We are open to discussing workplace flexibility in all our vacancies, to ensure we can attract the best candidates and accommodate individual needs, differences, disabilities and working arrangements, even in ways we have not thought of. Our merit based recruitment practices are founded on building diversity by fostering an inclusive, flexible and equitable workplace.