



FEBRUARY 2024 | VERSION 4

MODELLING IS  
REQUIRED IF  
PROPOSED ET  
INCREASES BY 5 OR  
MORE.

ONLY COUNCIL OR  
CONSULTANTS  
ENGAGED OR  
APPROVED BY  
COUNCIL CAN  
PERFORM MODELLING  
ASSESSMENTS.

TYPICALLY,  
MODELLING  
ASSESSMENTS FOR  
DEVELOPMENTS WILL  
BE COMPLETED  
WITHIN 6-8 WEEKS.

FOR PRESSURE  
DETERMINATIONS,  
RESULTS ARE USUALLY  
SENT WITHIN 1-2  
WEEKS.

# WATER AND WASTEWATER MODELLING FACTSHEET

*Water and Wastewater Modelling is undertaken to ensure proposed developments do not detrimentally impact on the integrity of Wingecarribee Shire Council's water and wastewater systems.*

## WHEN IS MODELLING REQUIRED?

Modelling is required if the development meets any of the following criteria:

- Proposed Equivalent Tenement (ET), or number of lots, increases by five or more.
- The development requires internal fire services or a boosted water system.
- Connection to Council's sewer system via private pump stations (for developments greater than five ET).

## WHAT INFORMATION DOES COUNCIL REQUIRE?

Developers and customers should discuss modelling requirements with Council's Development Team prior to application.

If modelling is required, the Water and Sewer Modelling Application Form located on Council's website needs to be filled to commence the process.

In the application, make sure to include proposed number of lots or dwellings, plans of the development (if available), and relevant Development Application (DA) number (if applicable). This will assist Council in scoping the work and preparing quotations. Any upstream development potential must be included to ensure a comprehensive assessment can be completed.

In addition, please include proposed water supply connection points and sewer discharge locations. If unknown, Council's engineer will select suitable locations. Where appropriate, include details of calculations of the expected loadings and peak flows. If not provided, Council will calculate loads based on its Modelling Design Standards.

## DID YOU KNOW?

COUNCIL IS CONTINUALLY WORKING ON FUTURE MASTER PLANNING ACTIVITIES TO ENSURE THERE IS ADEQUATE CAPACITY IN THE WATER AND WASTEWATER SYSTEMS TO CATER FOR GROWTH.

DEVELOPMENT ASSESSMENTS ARE REQUIRED TO UNDERSTAND THE IMPACT NEW DEVELOPMENTS HAVE ON THE WATER AND WASTEWATER NETWORKS AT A LOCALISED LEVEL.

COUNCIL REQUIRES THAT MODELLING IS UNDERTAKEN IN ACCORDANCE WITH THE REQUIREMENTS SET OUT IN THIS FACT SHEET PRIOR TO DEVELOPMENT APPLICATION DETERMINATION.

THIS SERVES TO PROTECT BOTH THE APPLICANT AND COUNCIL AS ANY APPLICABLE UPGRADE, EXTENSION, RELOCATION AND/OR PROTECTION WORKS ARE IDENTIFIED AND INCLUDED IN THE DEVELOPMENT CONSENT.

## WHO CAN DO THE MODELLING?

To maintain the integrity of Council's water and wastewater systems, only Council or consultants engaged or approved by Council can perform modelling assessments.

## WHAT HAPPENS NEXT AND HOW MUCH WILL IT COST?

Modelling assessments are quoted on a case-by-case basis and depend on the extent of work required.

Council will seek quotations from approved consultants and provide a copy to the applicant for approval. It is up to the applicant to review and advise Council of a preferred consultant.

On approval of the quotation and payment terms are met, the modelling will commence.

## WHAT WILL YOU RECEIVE?

A draft modelling report is provided to Council for initial review and comment. The consultant will then finalise the report and circulate it to Council and the applicant.

The report will include details on the impact of the proposed development and, if required, any network augmentations to the existing water and sewer systems to service the development.

The report will not include modelling of the development's internal reticulation and/or private pumping station/s.

## HOW LONG WILL THE ASSESSMENT TAKE?

Typically, reports will take approximately six to eight weeks to complete on approval of the quotation.

## CAN I APPLY FOR MODELLING PRIOR TO LODGING A DA?

Yes. Applying for modelling prior to DA will not only allow you to better plan your DA submission on review of the modelling results but may also speed up the DA process.

## WATER PRESSURE DETERMINATION

Using a hydraulic model, Council prepares a report determining the maximum available fire flow at a specific location in the water network. Water pressure and flow certificates take one to two weeks to complete and attract a standard fee.

Refer to Council's fees and charges at [www.wsc.nsw.gov.au/fees-charges](http://www.wsc.nsw.gov.au/fees-charges)

