WHAT’S HAPPENING NOW

Two tunnels have been constructed beneath Grouse Mountain and Mount Fromme to allow for water from the Capilano Reservoir to be treated at the new Seymour-Capilano Filtration Plant. After over ten years of underground and surface construction, these Twin Tunnels are now in the commissioning phase, which will last through spring 2015.

TUNNEL TESTING MARCH 2015

The Twin Tunnels system is being tested to prepare for full operation. Each tunnel has been filled with 75 million litres of water, and flushing of the Raw Water Tunnel was completed in February.

In March, the Treated Water Tunnel will be flushed from the Seymour-Capilano Filtration Plant to the Capilano Reservoir. During this time water may be seen flowing into the Capilano Reservoir. This overflow water poses no risks to water quality or the environment.

FULL SYSTEM COMMISSIONING MARCH TO MAY 2015

Metro Vancouver crews will bring the Capilano Raw Water Pump Station, the Capilano Energy Recovery Facility, the Twin Tunnels and related equipment at the Seymour-Capilano Filtration Plant into full operation during this period.
THE BIG PICTURE
The Seymour-Capilano Filtration Plant is a state-of-the-art treatment facility completed in late 2009. Once the tunnels are operational, up to 1.8 billion litres of drinking water will be treated at this facility every day using a combination of filtration and disinfection with ultraviolet light.
In 2014, Metro Vancouver completed water treatment upgrades at the Coquitlam Watershed to include UV disinfection, which ensures that Metro Vancouver drinking water is some of the best in the world.

THE TWIN TUNNELS
Each tunnel is 3.8 metres in diameter and 7.1 kilometres long. Once fully operational, water from the Capilano Reservoir will be pumped through the Raw Water Tunnel to the filtration plant for treatment, and then returned to the Capilano distribution system through the Treated Water Tunnel.

RECOVERING ENERGY
As the Seymour-Capilano Filtration Plant is at a higher elevation than the Capilano Reservoir, an energy recovery facility will take advantage of the excess pressure available from the treated water returning to the Capilano distribution system. This energy will be used to offset some of the power requirements for the Capilano Raw Water Pump Station.