

EMSOL UPDATE SEPTEMBER 2020



Emsol's September 2020 Update:

1. **Challenge, Change, and Continuity**
2. **\$70 Million Transition Fund**
3. **Nelson Hospital Cuts Energy Use by 11%**
4. **Carl's Football Team**

1. Challenge, Change, and Continuity

Many of us continue to experience times of challenge and change with the impacts of Covid. Emsol appreciates your ease of communication, especially our clients and partners in Auckland.

We would also like to acknowledge the hard work and commitment from our staff, who have made changes and created new procedures for each new Covid environment.

We are pleased to announce that Carl will continue his role as Manager of Emsol. Carl has been with Emsol for six years and started in the management role in November 2019. He offers a range of skills and experience in which to assist clients, which includes industrial operations and local government organisations. He will be responsible for all day to day management activities as well as managing client projects.

Erin will continue to focus on business development, delivery of training, and marketing. He will also provide technical and project support for clients in specialist areas.

2. Nelson Hospital Cuts Energy Use by 11%

Nelson Hospital is on the road to diminishing its energy use and carbon emissions. Emsol completed an energy audit in 2018 as part of a collaboration agreement between the DHB and EECA. Since the audit, Stewart Lawson (Facilities Manager) and Duncan Jarvie (Mechanical and Electrical Coordinator) have further enhanced their energy management responsibilities. They have been implementing the findings of the audit.

This included upgrading their chiller and cooling tower, which was struggling prior to the audit. This saved 22% of energy used for the chilled water system. They also increased utilisation of their landfill gas boiler in place of their two coal boilers. This reduced carbon emissions and contributed to 13% of process heat energy savings.



Nelson Hospital has cut its energy use by 11%. Stewart and Duncan know this is just the beginning. Other potential projects include heat recovery, measuring hot water use and electricity by departments, fuel switching from coal to wood pellets, and optimising boilers and HVAC systems.

3. \$70 Million Transition Fund

The Government announced during July 2020 a number of initiatives to move New Zealand toward emitting significantly less carbon dioxide. This includes a \$70 million investment fund to help large energy users decarbonise. This involves more than changing coal boilers to electrode boilers.

There are numerous methods to decarbonise. For example, it may involve improving the efficiency of process heat systems, increasing heat recovery for low temperature needs, using heat pump technology for medium temperature needs, and using waste material or bioenergy for high temperature needs.

For more information on methods to transition away from fossil fuels please contact Emsol below.

4. Carl's Football Season

This time last year Carl was captaining his Otumoetai Bay One football team to an extra time 2-0 win over Taupo FC in the Miller Bowl final. This year he is in a race against the clock to recover from ankle surgery in time to participate in the one-day Miller Cup tournament on Saturday 26 September 2020.

Carl also co-coaches two senior women's football teams at Otumoetai FC, with the final game of the 2020 season played on 20 September 2020.



Find Out More

Please contact Carl Newby (carl.newby@emsol.co.nz) or Erin Roughton (erin.roughton@emsol.co.nz) for more information. www.emsol.co.nz.