

## Energy Conservation Project – Construction Photos

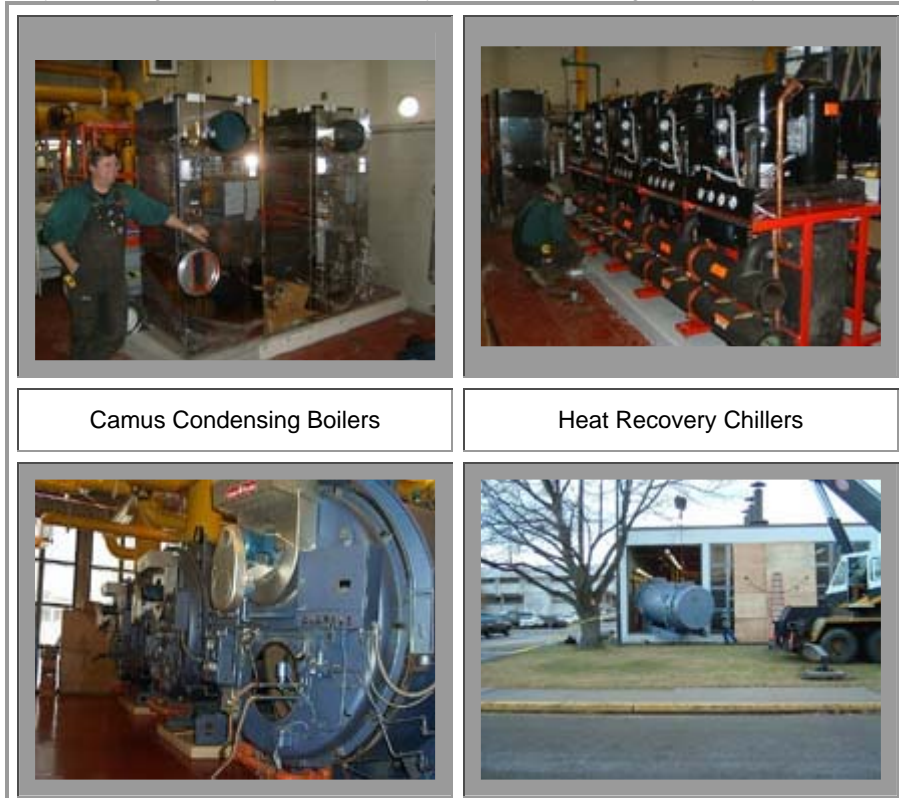
### Installation of Clear Water Lines - January, 2004

Installing the piping to link the City of Kelowna Waste Water Treatment Facility with the Okanagan University College boiler plant is one of the first steps in extracting heat from the clear water.



### Installation of Heat Recovery Chiller - January 2004

Before heat extraction may take place, replacement of a 40yr old Cleaver Brooks boiler was necessary. It was replaced by a new high efficiency heat recovery chiller and new high efficiency boilers.



Existing Three (3) Cleaver Brooks Boilers	Removing Boiler (view 1)
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**Installation of New South Campus Cafeteria Hot Water System-  
January, 2004**

The South Kelowna Campus Cafeteria Hot Water System containing both gas & electric heaters have been replaced with one (1) high efficiency hot water heater.

	
Existing Domestic Hot Water System - KLO	New Domestic Hot Water System - KLO

**Installation of New Chillers - South Kelowna - Lab Building, Library, Cafeteria - January, 2004**



Three (3) low efficiency, 27yr old cooling units with environmentally hazardous refrigerants were replaced with new high efficiency cooling units with environmentally friendly refrigerants.

<b>Lab Building</b>	
	
Existing Lab Building Chiller - KLO	New Lab Building High Efficiency Chiller - KLO
<b>Library</b>	

	
Existing Library Chiller - KLO	New Library High Efficiency Chiller - KLO
<b>Cafeteria</b>	
	
Existing Cafeteria Chiller - KLO	New Cafeteria High Efficiency Chiller - KLO

## Heat Recovery Chillers & Clear Water Pump Startup - South Kelowna - Boiler House - March, 2004

Heat Recovery Chillers & Clear Water Pump are started and run for the first time with great success.

<b>Boiler House</b>	
	
New Clear Water Pump In Operation	New Heat Recovery Chiller In Operation



Heat Recovery Chiller - Doors  
Removed



Heat Recovery Chiller - Internal  
Composition