

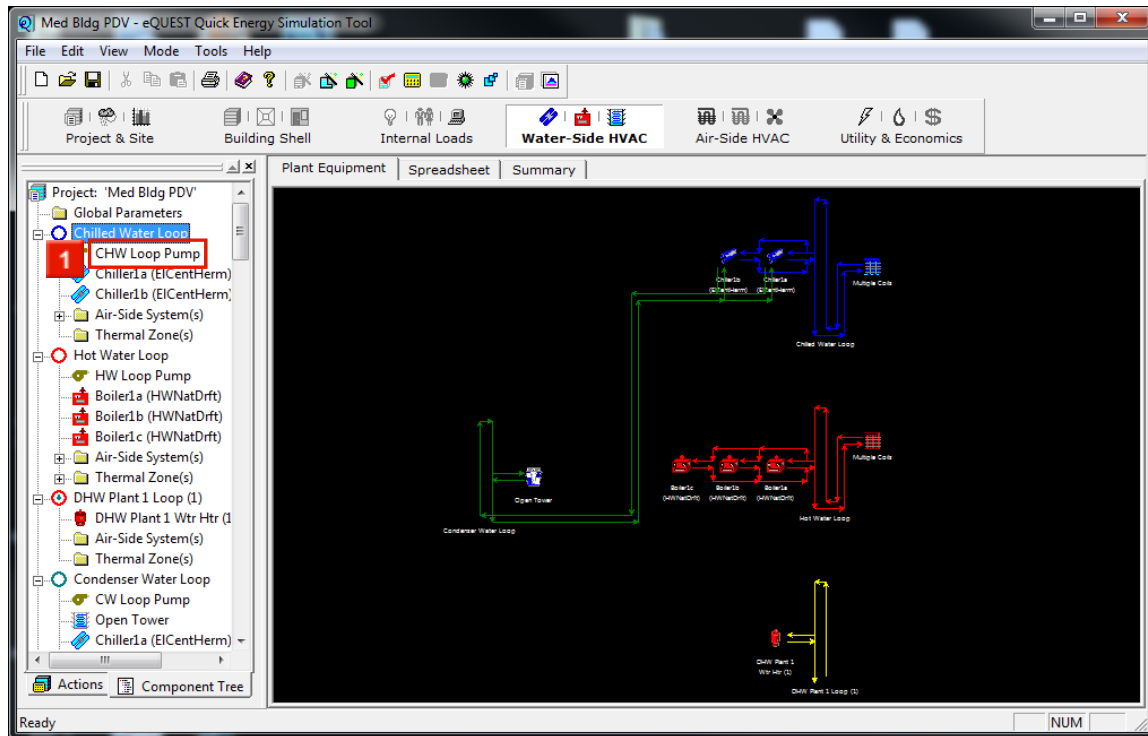
How to Select and Use
Belimo Pressure Dependent Pump Curves
on eQuest



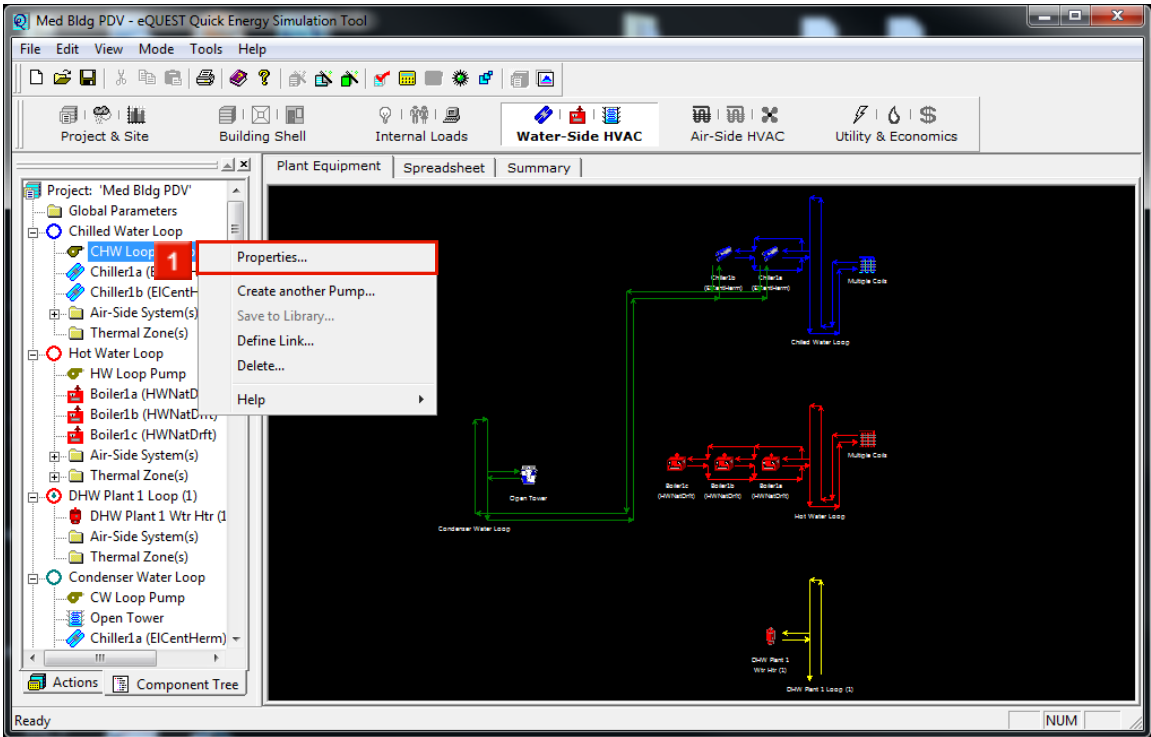
1 Open a project on - eQUEST Quick Energy Simulation Tool

To add the Belimo pressure dependent pump curves to the project follow these instructions:

- ➔ Once the basic building is created. On the component tree select the pump that you want to model using the Belimo pressure dependent pump curves.

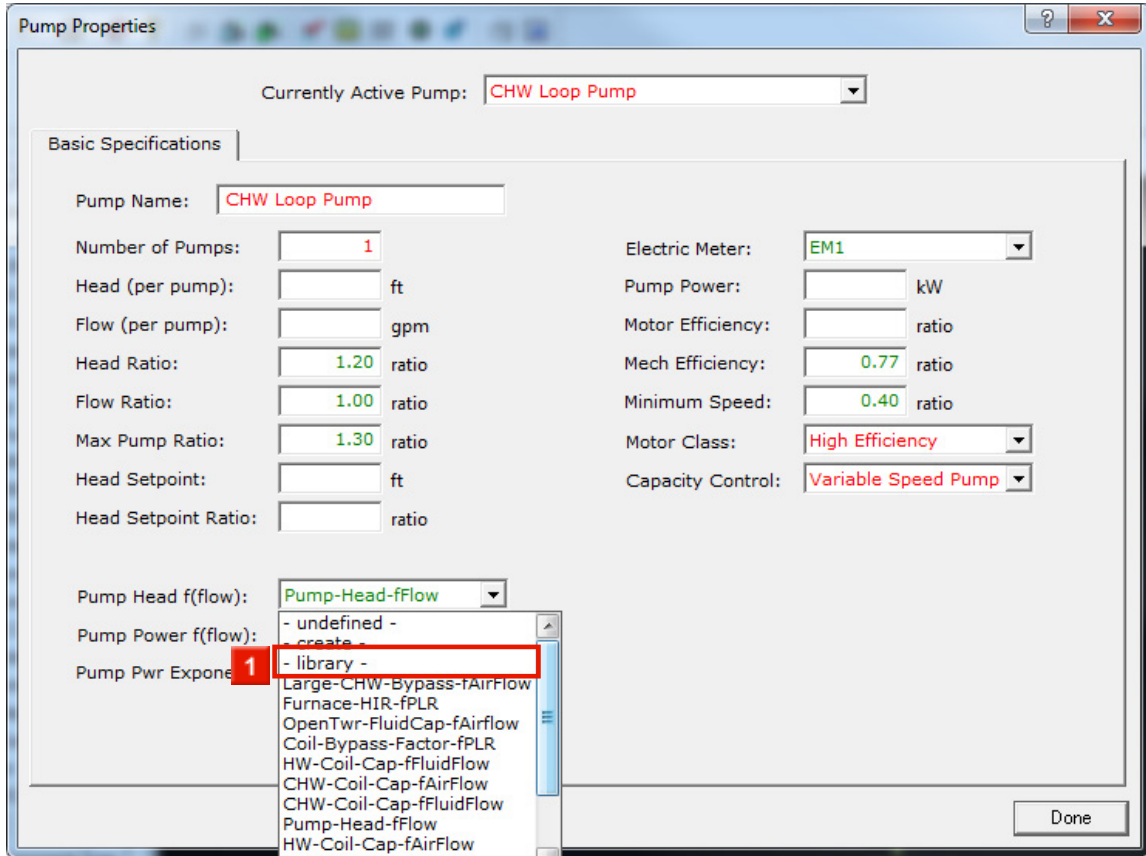


- 1** Right-click the **CHW Loop Pump** tree entry.



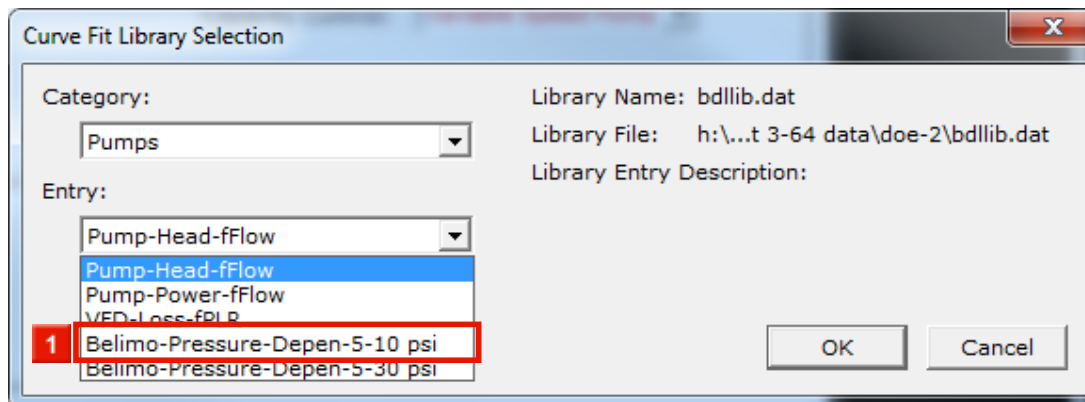
1 Click **Properties...**

2 Pump Properties



1 From the Pump Head (flow): dropdown menu, select **-library-**.

3 Curve Fit Library Selection



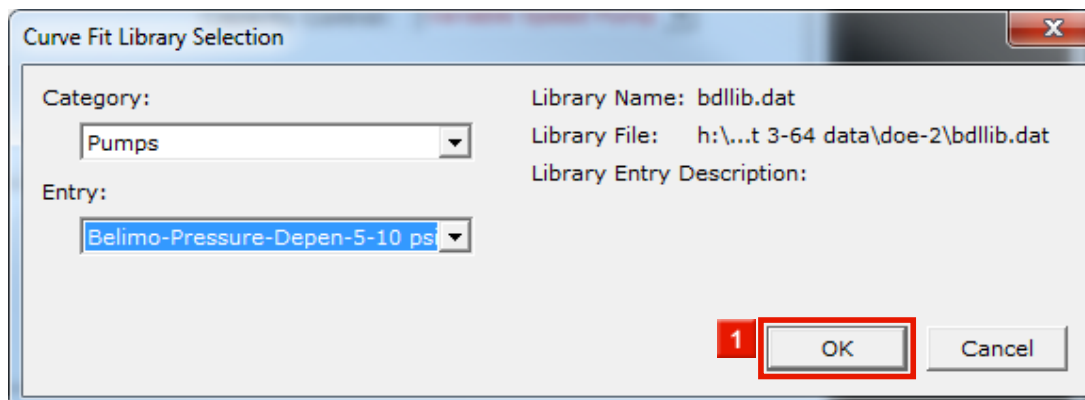
1 Open the dropdown menu under Entry and select the **Belimo-Pressure-Depen-5-10 psi**.



Select Belimo-Pressure-Depen-5-10 if you are modeling a new building.

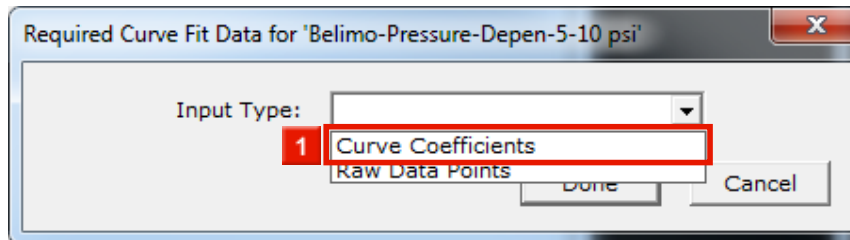


Select Belimo-Pressure-Depen-5-30 if you are modeling an existing building.

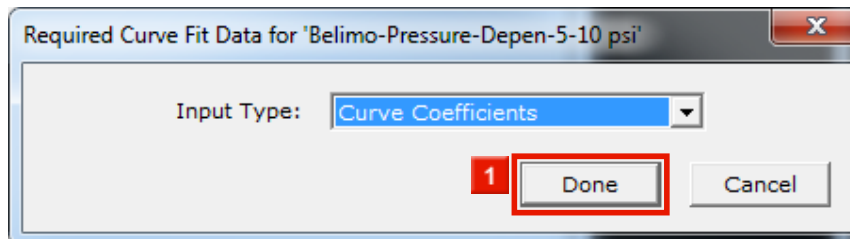


1 Click **OK**.

4 Required Curve Fit Data for 'Belimo-Pressure-Depen-5-10 psi'



1 Under Input Type select **Curve Coefficients**.



1 Click **Done**.

5 Pump Properties

Pump Properties

Currently Active Pump: **CHW Loop Pump**

Basic Specifications

Pump Name: **CHW Loop Pump**

Number of Pumps:

Head (per pump): ft

Flow (per pump): gpm

Head Ratio: ratio

Flow Ratio: ratio

Max Pump Ratio: ratio

Head Setpoint: ft

Head Setpoint Ratio: ratio

Electric Meter: **EM1**

Pump Power: kW

Motor Efficiency: ratio

Mech Efficiency: ratio

Minimum Speed: ratio

Motor Class: **High Efficiency**

Capacity Control: **Variable Speed Pump**

Pump Head f(flow): **Belimo-Pressure-Dep**

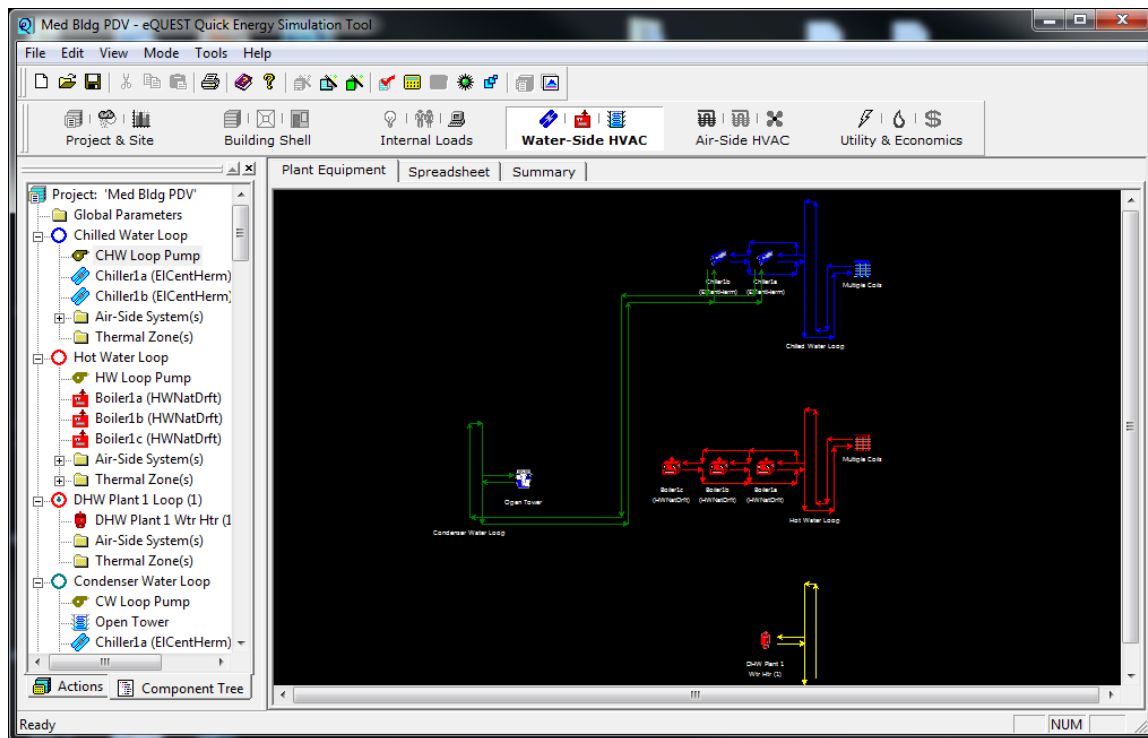
Pump Power f(flow):

Pump Pwr Exponent: ratio

1

1 Click **Done**.

6 eQUEST Quick Energy Simulation Tool



i Please run the model again using the Belimo pressure dependent pump curves and compare it to the base model to see the pump savings.