

Junction Demand Change

A rapid change in the demand at junction can produce a transient. This can be used to simulate a hydrant opening or any rapid change in demand that may have the potential to produce transient pressure change in the system.

1. Click on the **Select** button of the Attribute Browser window, and then click on the **Select Junction** menu. Select the model junction for the demand change.
2. Click on the **Demand Change** button on the Surge toolbar. The Junction Demand Change Data dialog box appears on the screen.
3. Choose either an existing Demand Change Curve from the drop-down list or click on the **Browse** button to the right to create a new curve or edit an existing one.
4. Click on the **Create** button to close the Demand Change dialog box.

Example - An external demand of 45 gpm is held for 2 seconds and then ramps up to 1,200 gpm over the next 4 seconds.

