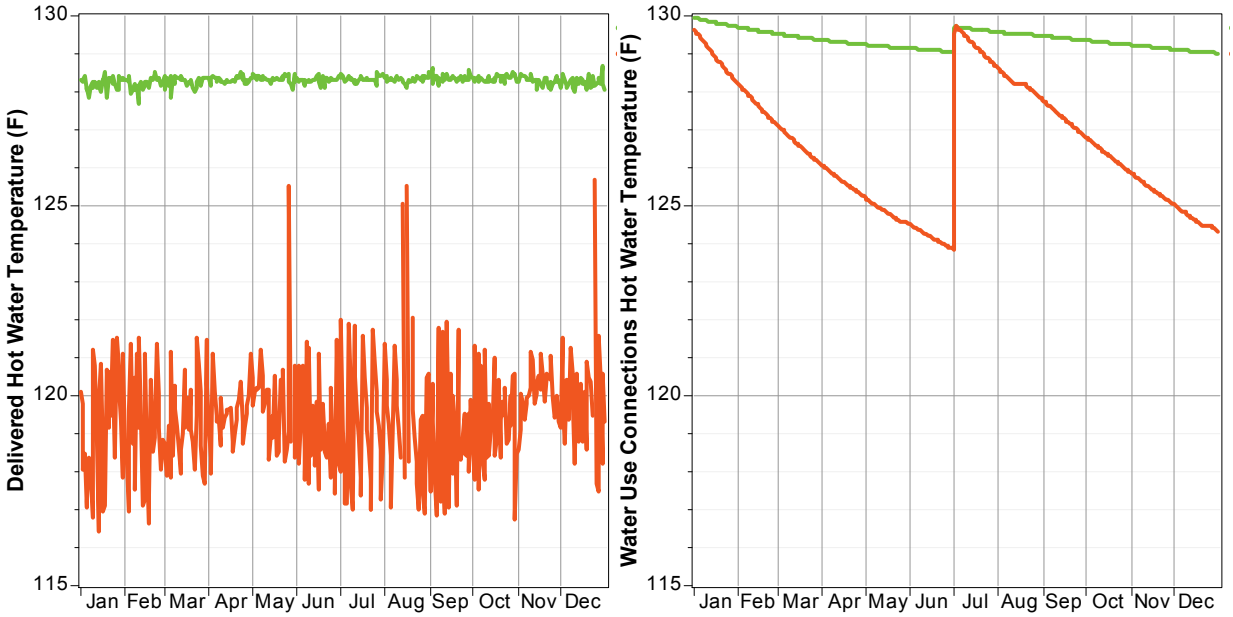

Figure 1. Orange=11.5C deadband; Green=2C deadband. The DHW Plant Loop has too much capacitance. With a 60 min timestep, it takes months for the supply temperature to decay. This impacts the energy used for hot water as well as the hot/cold mixing flow rates. When the simulation year is split up for multiple processors, the problem is made worse. Changing the Plant Loop Volume from 'autocalculate' to 1 m^3 or similar makes fixes the problem (see below).

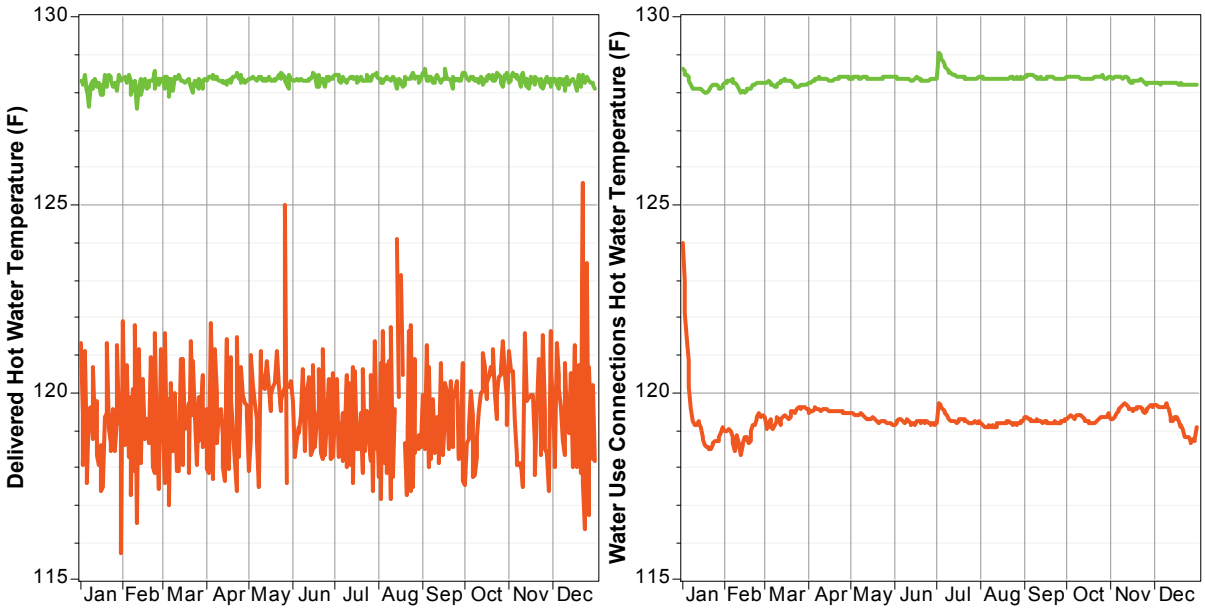

Figure 2. Plant Loop Volume changed from 'autocalculate' to 1 m^3