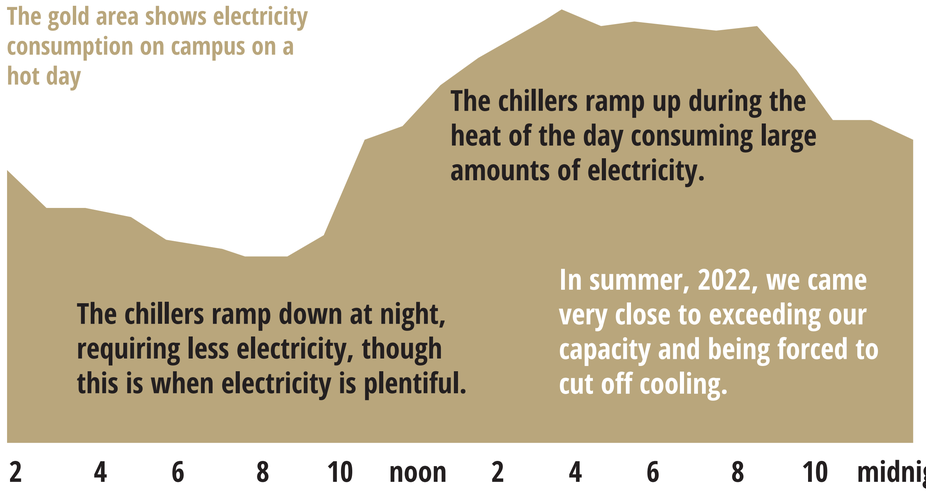
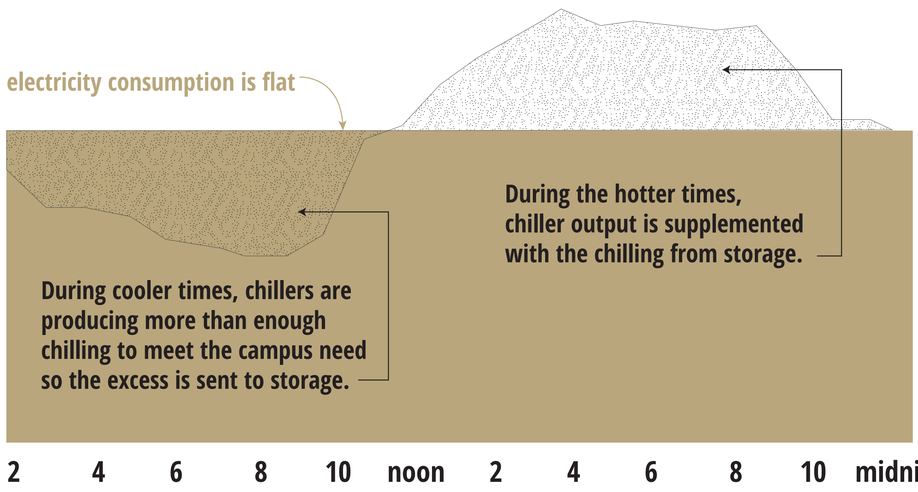
BENEFITS OF CHILLED WATER STORAGE

With hotter summers and a growing campus, we need more chilling capacity. However there is a limit to how much electricity we can pull into campus at a given moment and traditional chillers require large amounts of electricity. As a result, even if we had additional chillers we couldn't use them during the hottest times because we couldn't supply them with electricity. A thermal storage tank which can hold chilled water until it is needed, can address this challeng.

WITHOUT STORAGE
electrical demands peaks on hot afternoons



WITH STORAGE
electrical demand peaks are flattened



Thermal storage can be beautiful

Thermal storage tank at Stanford University.

photo by Matthew Anderson Photography

Thermal storage can also be invisible

Thermal storage on the UW campus could be a showpiece like the beautiful example at Stanford, or it could be hidden away quietly doing its work behind-the-scenes. Perhaps this would be an opportunity to renew and refresh the fountain, addressing issues of water loss and safety hazards.