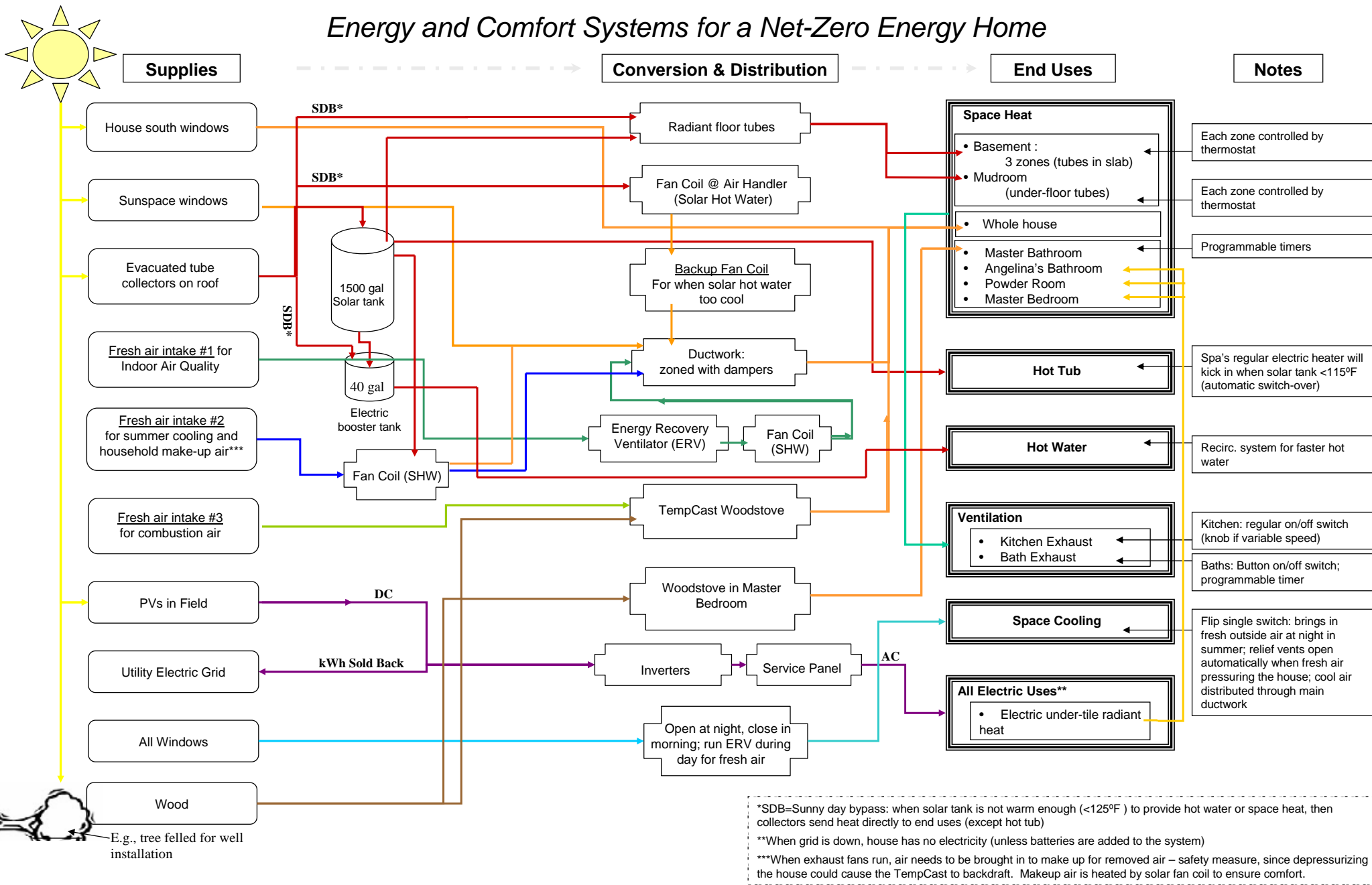


Energy and Comfort Systems for a Net-Zero Energy Home



*SDB=Sunny day bypass: when solar tank is not warm enough (<125°F) to provide hot water or space heat, then collectors send heat directly to end uses (except hot tub)
 **When grid is down, house has no electricity (unless batteries are added to the system)
 ***When exhaust fans run, air needs to be brought in to make up for removed air – safety measure, since depressurizing the house could cause the TempCast to backdraft. Makeup air is heated by solar fan coil to ensure comfort.