

## Power Failure Procedure

If the generator is down (no red light on the top of the pole) it could be a bulb burned out or there was a power glitch or failure or a problem with the chilled water. To start up the generator:

1. Check to see if there is an indicator light lit on the front panel, either on the left side or the right. If there is, make a note of which one and press the reset button associated with the indicator lights.
2. Check the chiller on left side of enclosure to see if the water level indicator is lit. It should be. Check to see that there is actually flow on the flow meters on the chiller.
3. On the vacuum control panel press the start button.
4. Wait 30 mins for vacuum to come down to 200 on the grey box under the RaxisIV++ that says Molecular Structure Corporation on it.
5. Press the on button on the XRAY panel (left side of generator)
6. Press Target on button, you should hear the target rotating (sounds like a belt slipping) and you should also get a ready light on that panel
7. Press the on button that is under the XRAY bulb on that panel
8. Wait. The voltage should go to 20 and the current to 10. If not, a bulb is burned out. Try replacing the ones on the pole and the XRAY indicator on the front panel (the cover screws out). Bulbs are located in the grey metal cabinet next to the bench, in the little drawers.
9. After vacuum gets back down to 150 you can follow power up procedure in data collection notes.