

Existing Power at Courthouse begins at the APS Power Pole

1. Primary Power goes to transformer located outside Courthouse, electrical room.
2. Secondary power travels back under the parking lot to the Transfer Switch and Generator in the lower lot.
3. Then travels back to the Courthouse Service Section in the first floor Electrical Room.
4. Using this configuration would require an additional cut through the parking lot for the solar generated power from the inverter to reach the service section with a large electrical disconnect mounted on the exterior of the first floor electrical room adjacent to the county attorneys main entrance.

New Point of Delivery would begin at the existing APS Power Pole

1. The transformer next to the courthouse will be removed eliminating the primary underground lines and transformer from the parking lot, and would be relocated at the lower lot adjacent to the existing emergency generator and transfer switch. The installation of the new service section will allow for an integrated installation of the solar power inverter the generator and transfer switches and APS transformer in one central location.
2. Some of the benefits to this would allow us to shut down and isolate the building to do maintenance on the emergency generator, transfer switch and main electrical panels in the Courthouse without having to have APS disconnect the primary voltage to the transformer this will allow for more and lower cost preventative maintenance.
 - a. Eliminates the problematic line side tap need in the existing configuration and provides power for any future building on the lower lot.