

Edison needs 4 power outages before the end of March 2011.

We need to give them the dates by the end of September, locked in stone.

The Plan

- Edison powers down 144119 which feeds Kautz rd substation (Before Edison dumps Kautz rds substation Joe Pathiyil moves Kautz over to master sub using the back feed system (an outage of 14 minutes). We lose power to Kautz rd sub, feeder 46a(1/2 cryo) Mi65
- aprox 2 hrs later Edison re-powers line 144119 and Joe Pathiyil takes down same feeders as before for 14

minutes. Then site is alive on normal power.

4- 5 days later same scenario listed above, happens again.

Summery: 2 kautz road substations separated by 2 hours and then 4-5 days later 2 more Kautz road substation outages separated by 2 hrs= a total of 4 Kautz rd substation outages.

FAQ

- Why? Edison is out of compliance with FERC (Federal Energy Regulatory commission) they will be fining Edison on June 1st unless Edison upgrades their system to be in compliance.
- ❖ Testing wiring
- ❖ Relays
- ❖ Xformer testing
- ❖ Will fix the MOD at electric junction.

- **Why didn't they do it during the July 2010 4 week shutdown**
 - Parts weren't in.
 - PJM would not allow them to do it during the summer because of grid requirements.
- **Can they be flexible**, No because they have to schedule the work team and the equipment, which is why we cannot do it in April or May. For planning purposes they need a date.
- They already proposed Middle of January 2011; we talked them into allowing us to propose a counter date.

- How long don't know yet. Its either 4 or 5 days If we do this on a Monday at 0800 we don't know if the last outage is Thursday or Friday
- **Weather** supposedly weather isn't much of an impact.
- Talked to Dan Wolff and asked him if we could run whole site on Master Sub, his answer is probably not linac line fluctuates a lot.
- Could switch using Edison's lines instead of internal back feed lines but:

- ❖ Edison takes a lot longer to switch lines around
- ❖ To go back from master sub we have to dump the entire site.

The questions for this meeting.

- We need to pick a date.
- We could have a one week shutdown or we could have a poor week of running with practice in power outage recovery. We don't have to make that decision till much later.
- We could pick a shutdown a few weeks ahead of time and move cryo feeder 46a over to master sub(this requires a feeder 46A outage). Then a Kautz rd substation outages wouldn't have such an impact on the whole site (then at some convient period even a month after the outages we move feeder 46 a back. (the gamble is we don't lose Master sub during this time, if we do the we dump all the cryo)
- Are there any other questions you want us to ask Edison.