



**Helping our members work together
to keep the lights on...
today & in the future**



CMP Task force review of MFC Logic

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Why this Task force

- **SPP is experiencing high un-reported, un-curtable impacts on COOPER_S (#6009) , IASCLKNASJHA (#5228) (and other SPP flow gates) up to 35% of the flow gate capacity.**
- **SPP is monitoring the situation in last Months and has strong indicators that it might be unreported Market impacts.**
- **SPP requested a review of the Market Flow Calculation logic of all Entities and identify possible improvements that can increase the accuracy of capturing and reporting Market impacts to IDC.**



Status of the CMP Task Force (11/1/2010)

- **First Conference Call Wednesday 10/6/2010.**
Task Force scheduled a weekly status Call on Monday morning 08:30 – 09:30 CDT.
- **Task force completed review of the Scope.**
- **Task force completed review of the MFC logic of the 3 Entities and identified differences.**
- **Task force will select 4 – 6 flow gates to determine what the impact of possible improvements to the MFC logic could be.**
- **SPP completed a first round of calculations for COOPER_S for 8/29/2010 01:15 CDT. MISO is reviewing SPP results.**
 - **Applying MISO/PJM MFC logic to SPP Market lowers SPP Net Market impact on COOPER_S from 370 to 226. (8/29/2010 01:15 CDT data)**
 - **Applying SPP MFC Logic to MISO Market increases MISO Net Market impact from 344 MW to 380 – 600 MW depending on what part of SPP MFC logic is applied. (MISO is verifying SPP results)**



Scope of Task force

- **Review of MFC Logic Step by Step**
 - Review possible options to **adjust for Exports** and select those that are acceptable by all 3 Entities
 - Review possible options to **adjust for Imports** and select those that are acceptable by all 3 Entities
 - Review if the impact of **Tagged impacts** calculated by IDC in line with adjustments made by MFC logic to import and exports. If not impacts of “flow” between marginal import / marginal export zones and the adjustment zones are not captured.
 - Review the MFC logic used to calculate impacts of **Native Load impacts**. Review granularity.
 - Transfer impacts. Review of how the **transfer impacts** are calculated and how accurate those calculations are. Are the TDF factors (or GSF factors) adjusted for the resources that are included in the Native Load calculation.
 - Firm TSR Rights. Are the **TSR Rights** (original POR/POD on TSR) of Import and Export Tags matching the import Zones and Exports Zones. If not that can result in shift of Non Firm rights to Firm rights either on Tagged impact side or Market Flow impact side.
 - Firm TSR Rights. Are the impacts of TSR’s used to adjust the Allocation to get the Firm Market Flow rights matching the import Zones and Exports Zones and/or original POR/POD. If not that can result in shift of Non Firm rights to Firm rights either on Tagged impact side or Market Flow impact side.



Scope of Task force

- **Review all possible options that can cause high un-reported impacts of COOPER_S and other selected flow gates:**
 - **Impact of NERC Tags.**
 - Are the TDF values used by IDC to calculate impact of Tags accurate.
 - Does the reverse impact of the Tags look reasonable.
 - **Impact of NNL**
 - Is it possible that one of the Non Market BA's (AECI, WAUE, TVA, SPA) has higher impact in reality than what is calculated by IDC.
 - **Impact of Markets.**
 - Are the impacts of transactions between Import Zones and Export Zones captured correct.
 - Are the adjustments made for Imports and Exports accurate.
 - Does the reverse impact of Markets look reasonable.
 - What is accuracy of market impact calculations in general.



Added to scope on request of MISO

- **As part of the market flow calculation review, I would like us to consider having MISO and PJM replace the use of reservations with schedules when we decide how much of our firm allocation is being used for PTP service. As you know, this is where OATI had an error in their process using reservations where MISO and PJM overstated our firm market flow limits. The TF will evaluate how SPP uses schedules in its process and then recommend changes to the MISO and PJM processes.**
- **I would like this group to also have a discussion on some of the issues you have raised at the BPS meetings on the three options that are being evaluated as the permanent solution. My impression is that we are all over the place on these three options and without reaching some kind of agreement on what should be included in the generator prioritization option and the flowgate allocation option, we will end up with the tag all non-firm generation-to-load option because we cannot agree on anything else. I do not know how you feel about the tag all non-firm generation to load option but my impression is that this would be the worst option for the markets.**
- **I know SPP has been pretty much been working exclusively with OATI on CO 316 to reintroduce a market flow cap (hold market flows). This is a problem for markets. I would like this group to understand the issues that SPP is trying to address with CO 316 to see if there is another mechanism to address these issues without reintroducing the market flow hold again.**



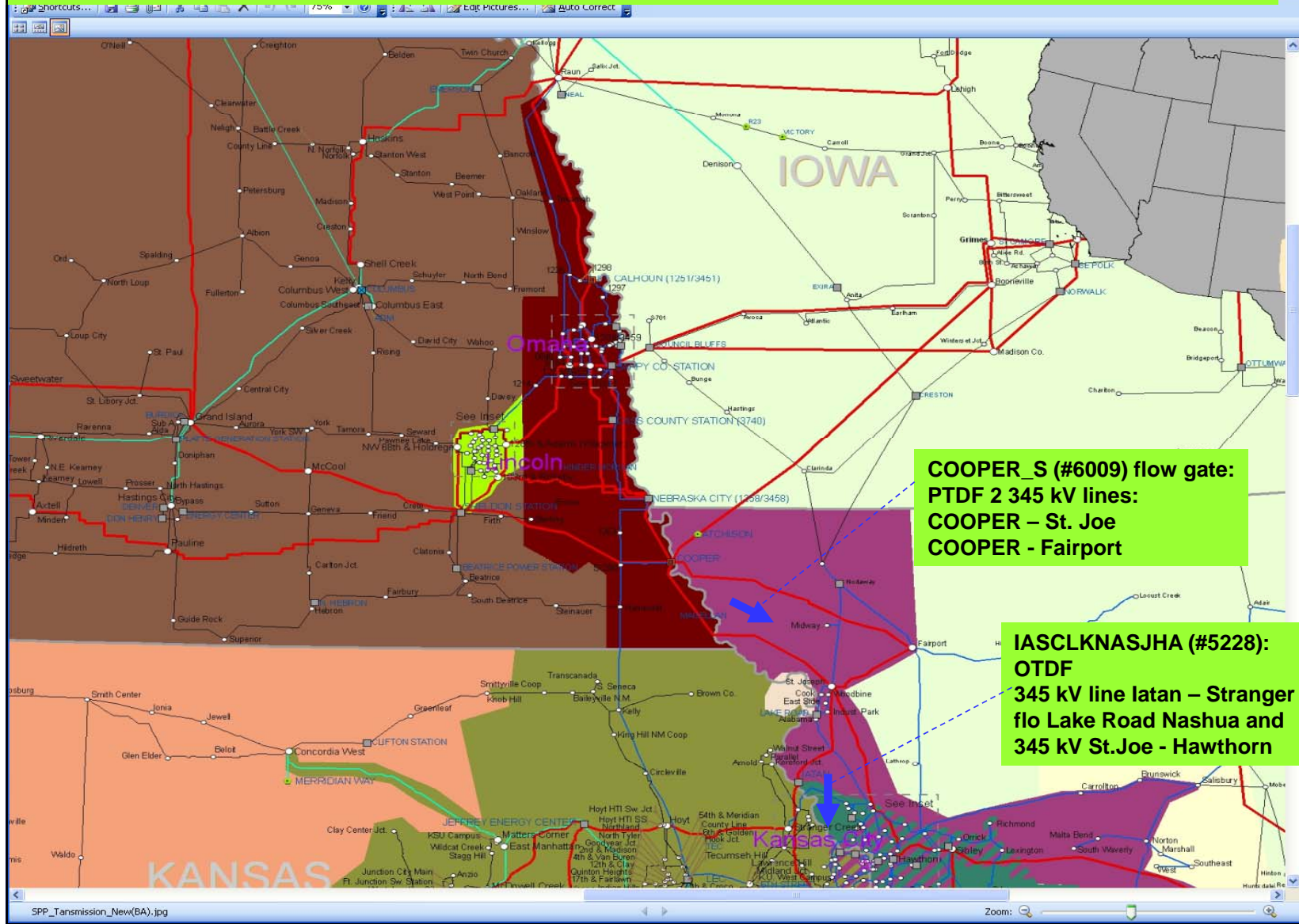
Added to Scope by Task force

- **Develop metrics that measure if Entities meet the Market relief obligation assigned by IDC.**
- **Develop metrics that measure the accuracy of reported Market impacts to IDC.**
- **Revisit IDC logic that assigns relief to Markets and sets the Target Market Flow. SPP questions if that logic works correct in all situations.**
- **Review of MISO/PJM initiative to remove language from CMP that specifies adjusting specific generator output for export Tags. Will be changed to adjusting overall Market generation pro rata. SPP Market allows for Self Dispatched units that are dispatched to the sum of the Tags and Native Load Schedules that source from Resource. SPP wants to continue to use the higher granularity adjustment for Export Tags for the Self Dispatched resources.**

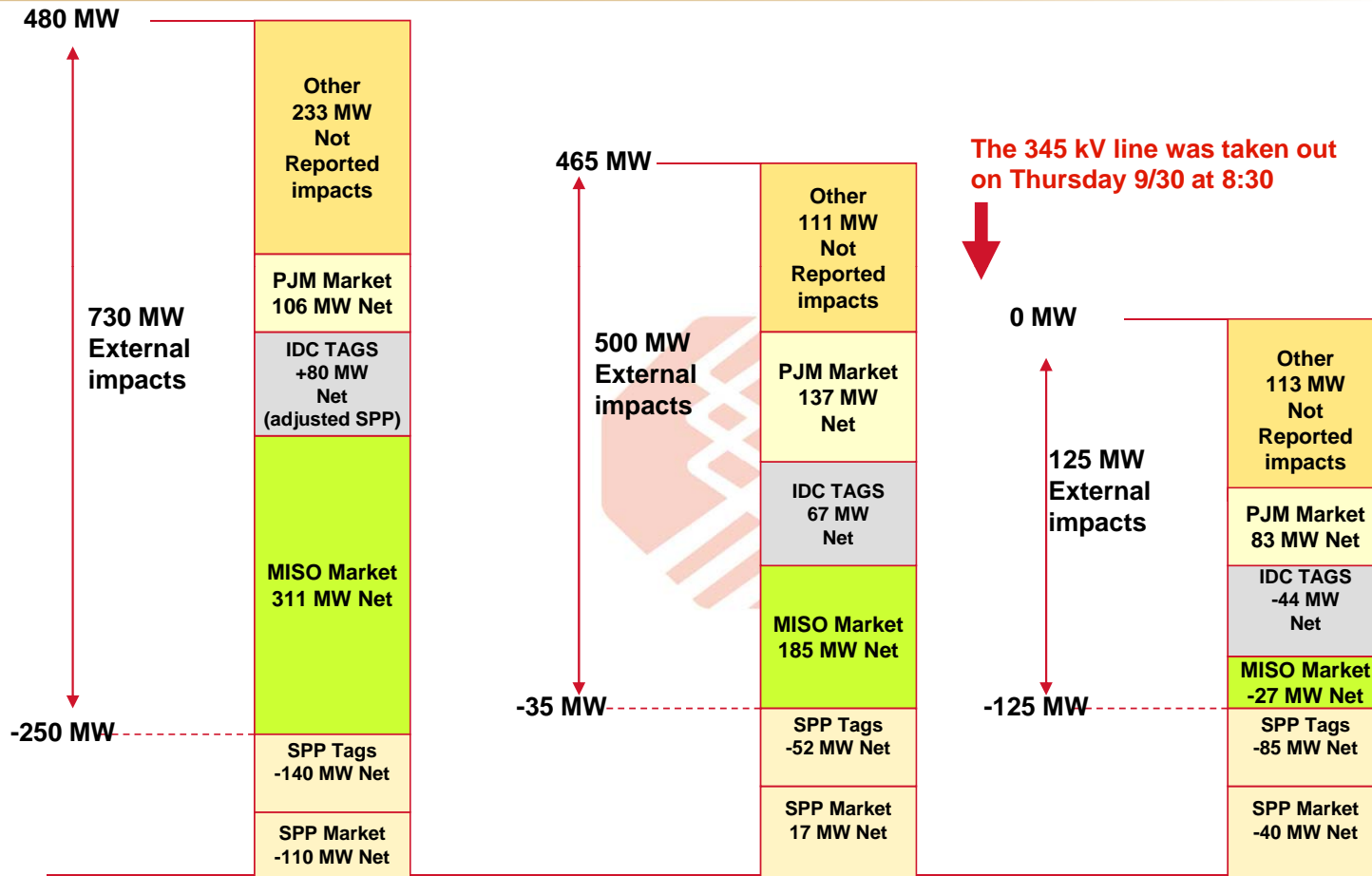


Examples of high unreported amount
of impacts on COOPER_S (and other
SPP flow gates)

Examples of high unreported amount of impacts will be for COOPER_S flow gate



COOPER_S (#6009)



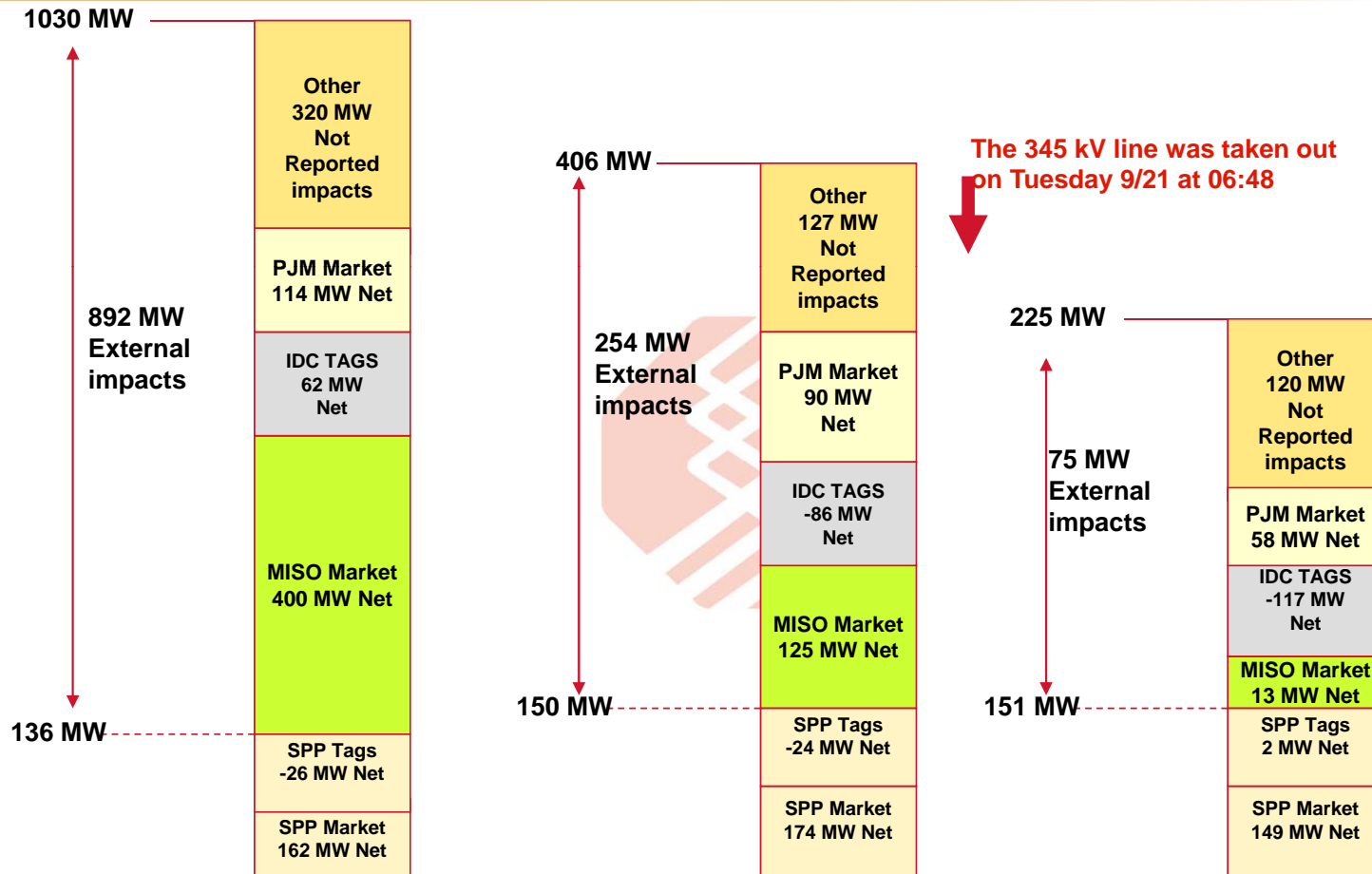
The 345 kV line was taken out on Thursday 9/30 at 8:30

Break down flow COOPER_S on Wednesday 9/29/2010 17:30 CDT

Break down flow COOPER_S on Wednesday 9/29/2010 23:30 CDT

Break down flow COOPER_S on Thursday 09/30/2010 10:30 CDT

COOPER_S (#6009)



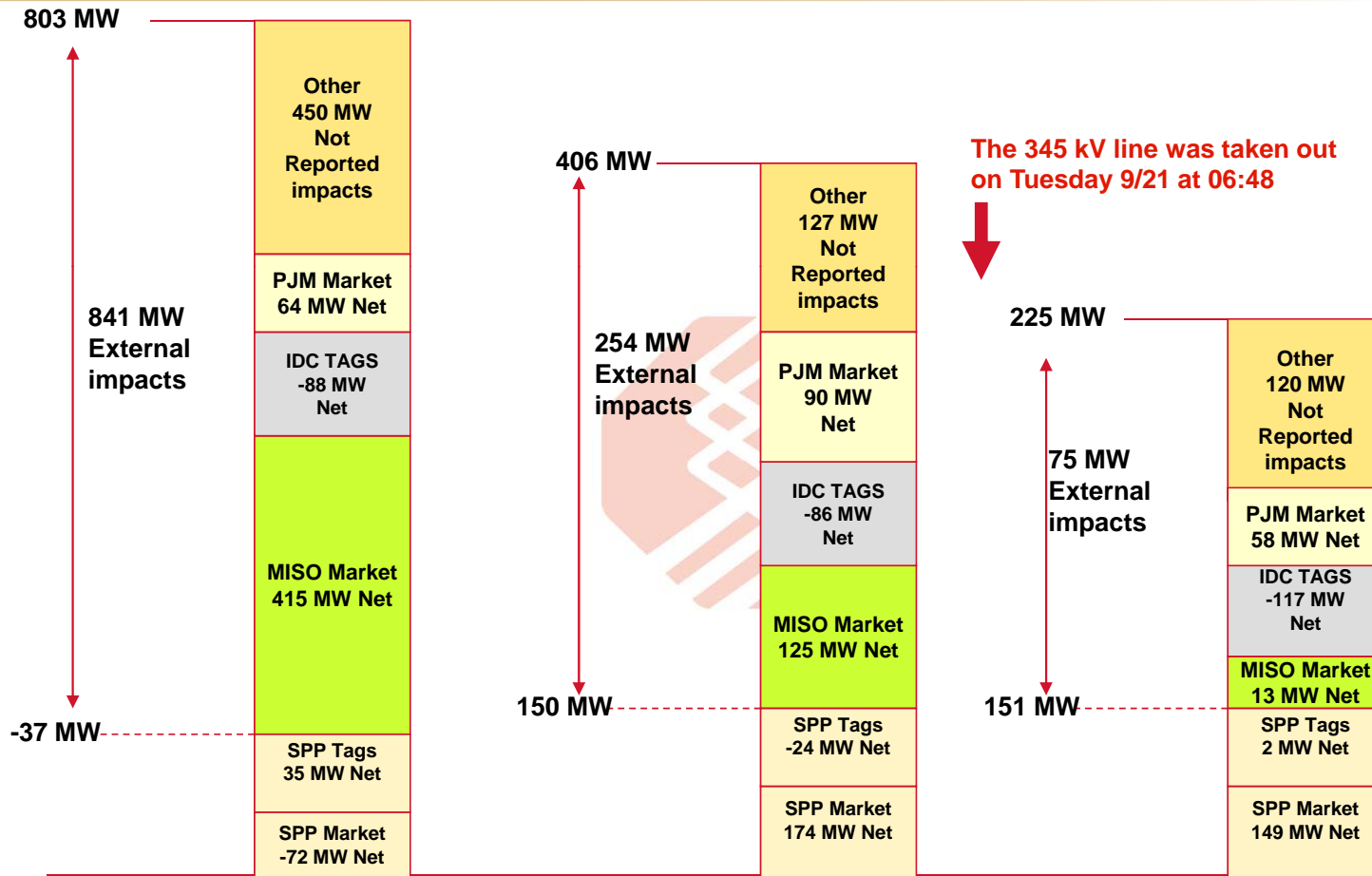
The 345 kV line was taken out on Tuesday 9/21 at 06:48

Break down flow COOPER_S on Monday 9/20/2010 23:00 CDT

Break down flow COOPER_S on Tuesday 9/21/2010 06:30 CDT

Break down flow COOPER_S on Tuesday 9/21/2010 08:30 CDT

COOPER_S (#6009)

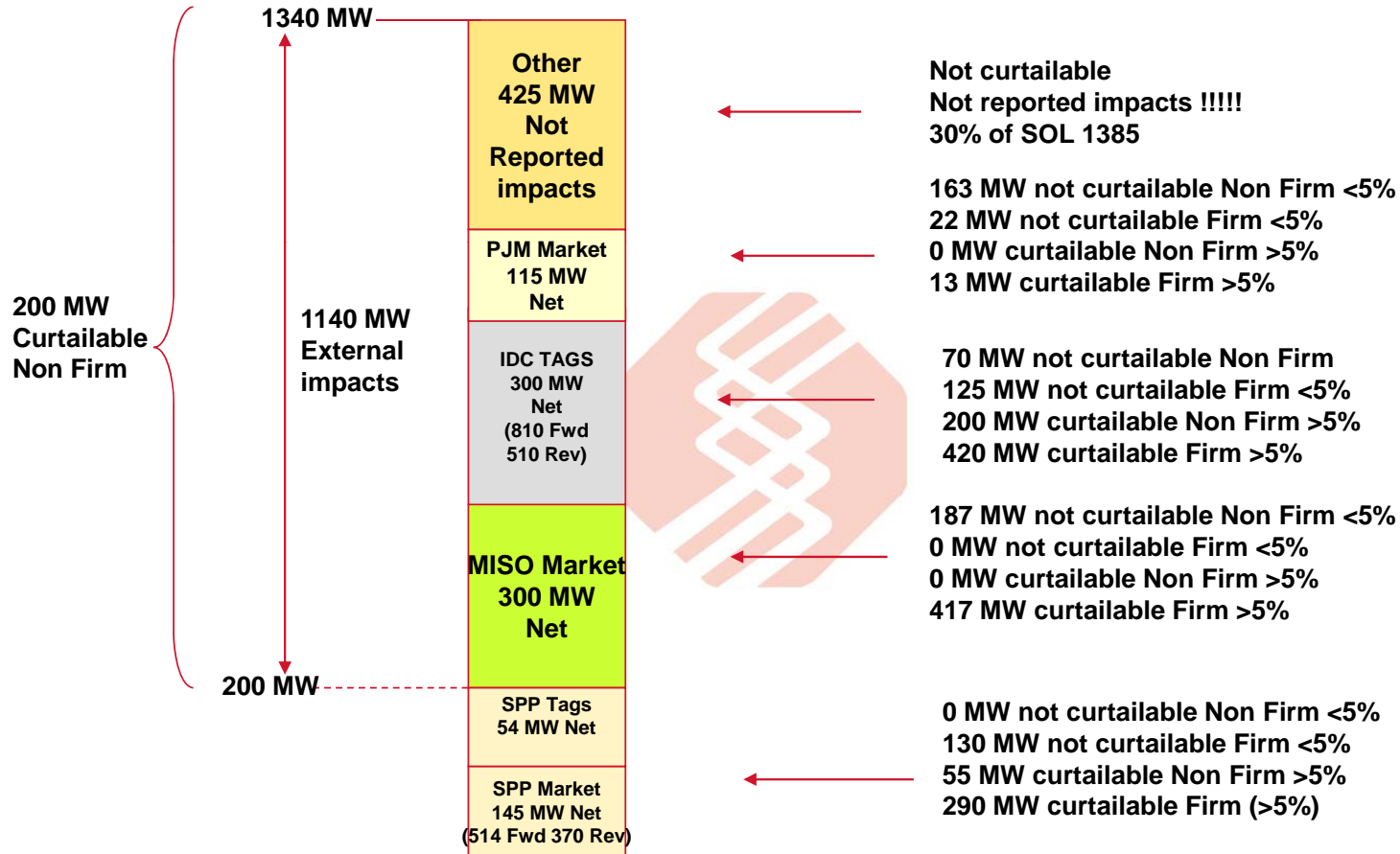


The 345 kV line was taken out on Tuesday 9/21 at 06:48

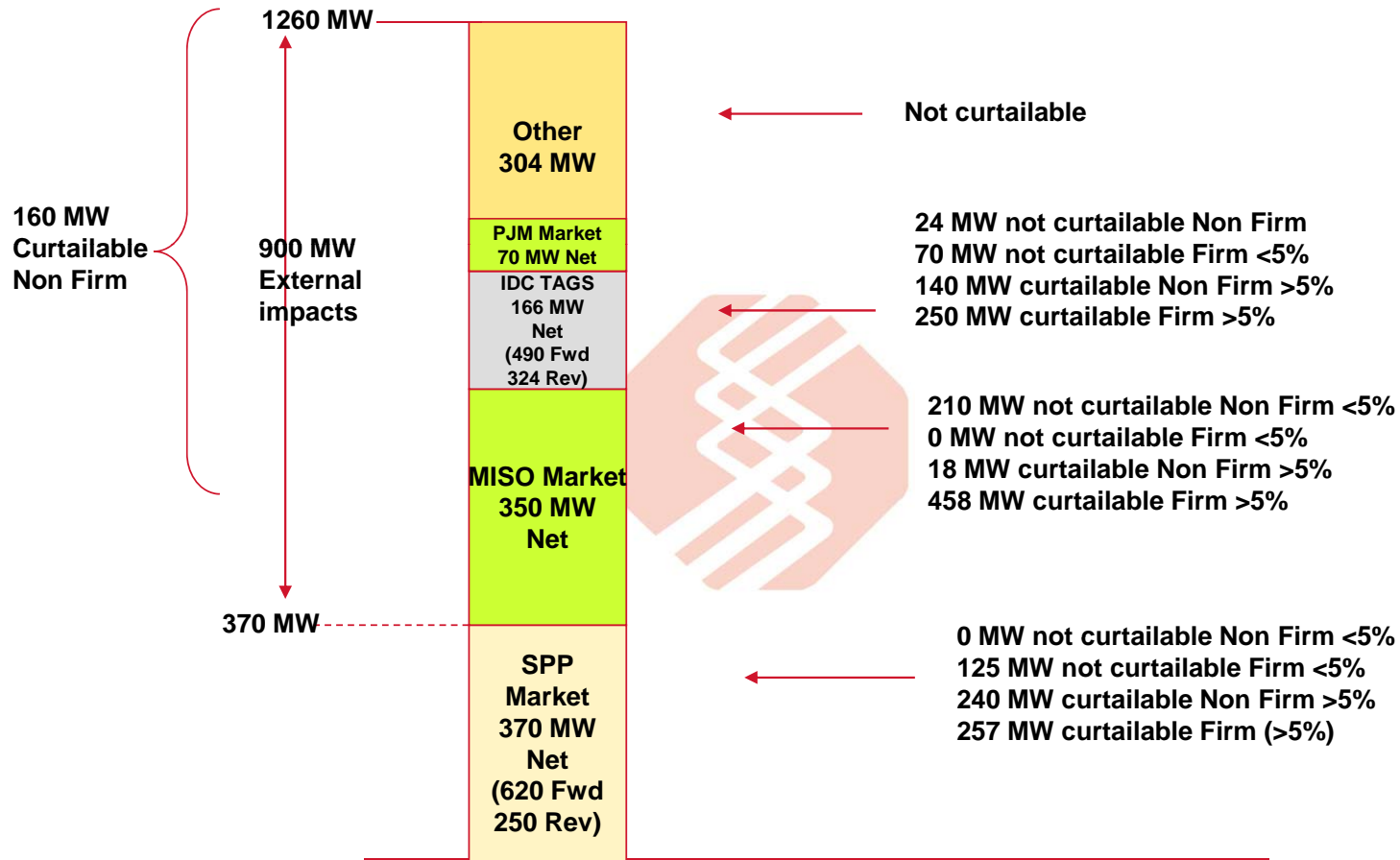
Break down flow COOPER_S on Monday 9/20/2010 15:30 CDT

Break down flow COOPER_S on Tuesday 9/21/2010 06:30 CDT

Break down flow COOPER_S on Tuesday 9/21/2010 08:30 CDT



Break down flow COOPER_S on Saturday 9/11/2010 17:00 CDT



Break down flow COOPER_S on Sunday 8/29/2010 1:15 CDT

