



# Transmission Losses Update

Brett French  
Kurt Hendrickson  
ATC Customer Meeting  
May 24, 2011

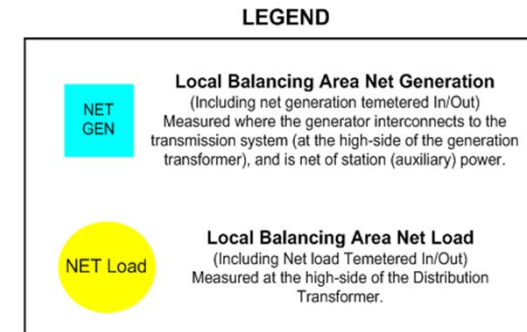
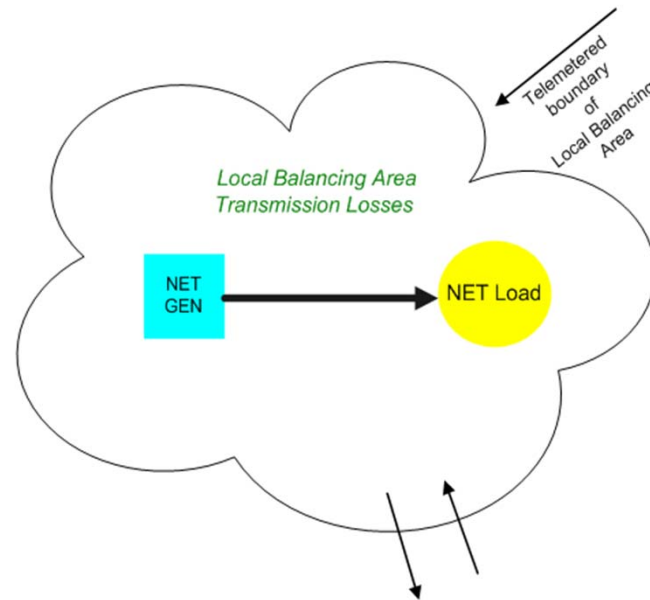
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# Objective

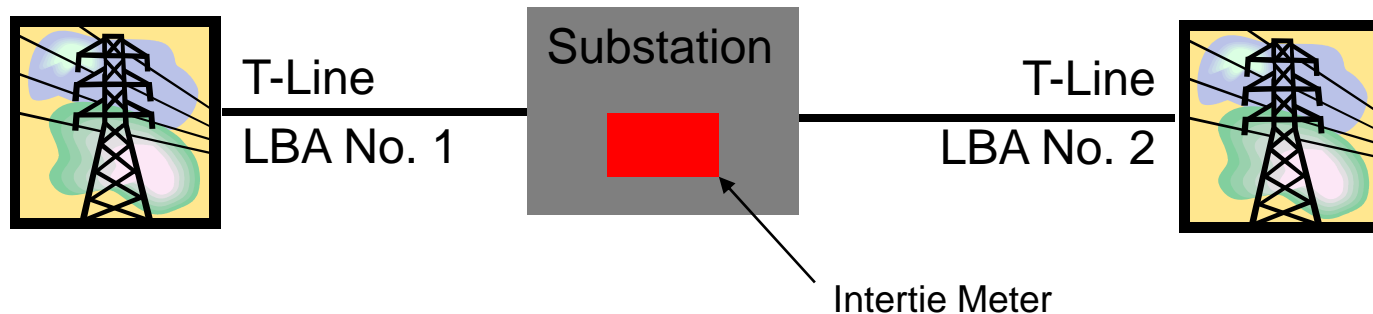
- Account for Transmission Losses for the ATC footprint
  - Comparable and equitable manner
  - Derivation of Schedule 9 charges (ATC)
  - Derivation of MISO billing determinants (MISO)
  - Monthly data reporting requirements (LBA –vs.- LSE)
- 4 LBAs are located within the ATC footprint
  - WEPCO
  - INTEGRYS (WPS and UPPCO)
  - MGE
  - ALLIANT
- 17 LSEs are located within the ATC footprint

# Background



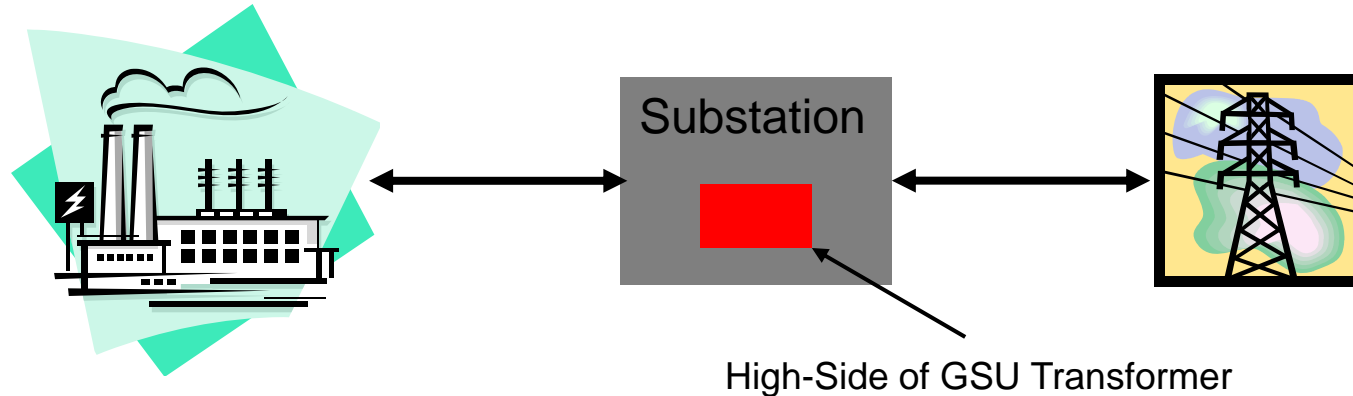
- Obligation of the Local Balancing Authority (LBA):
  - LBA shall provide “Net Load”, “Net Gen” and “Net Inter-tie” values for their Local Balancing Area for each monthly CP hour (as defined by ATC)
- Obligation of Load Serving Entity (LSE):
  - LSE shall provide “network Load” values for each monthly CP hour (as is the case today)

# Net Intertie Flow



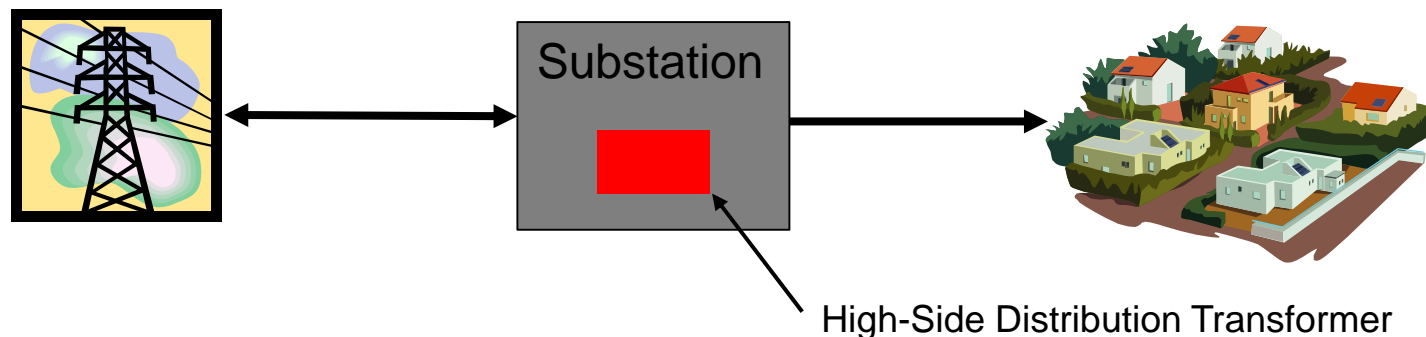
- Data for ATC 12 Monthly CPs obtained from LBA
- Sum of all metered intertie flows for LBA
  - (+) = Flow into LBA and (-) = Flow out of LBA
  - Can all LBAs provide metered intertie flow data in a numerically equivalent manner?

# Net Generation



- Data for ATC 12 Monthly CPs obtained from LBA
- Sum of all net generation (metered at the high-side of GSU)
  - Requires close coordination with MISO on the “threshold” and “BTMG” questions.
  - Do all LBAs meter generation in an equivalent manner?
  - How should we treat a “generation station” that is off-line and is essentially a “Load”?

# Load



- Data for ATC 12 Monthly CPs obtained from LSEs
- “Load” (metered at high-side of the Distribution Transformer)
  - Is this data essentially what we receive from the LSEs today?
  - Do all LSEs meter their “Load” in a numerically equivalent manner?
  - How will MISO treat “Load” served by “BTMG”?

# In Conclusion

- Open discussion
- Next Steps
  - Seek feedback and input
  - Decide upon methodology for calculating “Transmission Losses”
    - September 30, 2011 ATC receives LBA monthly transmission loss percentages
      - Sept 1, 2010 through August 31, 2011
  - Coordinate with Customers, Stakeholders and the MISO
  - Implement new methodology through close coordination with LBAs, LSEs and the MISO
  - Implement FY 2012
    - ATC advocates a “forward looking” approach



# Feedback and Comments

Brett French  
[bfrench@atcllc.com](mailto:bfrench@atcllc.com)  
(906) 779-7902

Kurt Hendrickson  
[khendrickson@atcllc.com](mailto:khendrickson@atcllc.com)  
(608) 877-3625