



## PJM Electronic Billing Report Changes for the PJM MARGINAL LOSSES Implementation

With the implementation of Marginal Losses in the PJM market settlement calculations, new and modified settlement reports will be available through the PJM eSchedules reporting system. All of these changes will become effective for the June 2007 billing cycle.

- The **Real-time Daily Energy Transactions** report has added a row for the De-Rated Loss Factor and has removed the Inadvertent energy share row (this is only applicable for EDCs).
- The **Spot Market Energy Summary** report will be modified to replace the day-ahead and balancing weighted-average pricing methodology with day-ahead and balancing +/- charges that are calculated as the applicable day-ahead or real-time PJM system-wide energy price times the day-ahead net interchange or balancing net interchange deviation amounts.
- The **Congestion Summary** report will be modified to rename load and generation to be withdrawals and injections and, since implicit congestion now equals the net congestion bill, the spot market interchange billing offset is no longer required and congestion prices are used.
- The **Explicit Congestion Charges** report will be modified to display the NERC Tag to identify each transaction, and the source/sink LMPs are replaced by the source/sink congestion prices.
- The **FTR Target Allocations** report will be modified to replace the day-ahead source/sink LMPs with the day-ahead source/sink congestion prices used for FTR valuations.
- A new **Transmission Loss Charge Summary** report will show the day-ahead and balancing loss withdrawal/injection MWh and the associated charges/credits which equal the net losses bill (Implicit Loss Charges), as well as the hourly Explicit Loss Charges. This new report will be available under the Transmission Losses and Monthly Summary report types.
- A new **Explicit Loss Charges** report will show the day-ahead and balancing loss charges by transaction. This new report will be available under the Transmission Losses report type.
- A new **Transmission Loss Credit Summary** report will show the hourly real-time load plus export ratio share allocation of the total PJM loss revenues. This new report will be available under the Transmission Losses report type.
- The existing **Losses Charges** report that shows point-to-point transmission loss charges will be retired effective June 1, 2007.
- The existing **Losses Credits** report that shows the allocation of point-to-point transmission loss credits will be retired effective June 1, 2007.
- The **Energy Reconciliation** report will be changed to the **Energy Congestion Losses Charges Reconciliation** report which will show each of the energy, congestion, and loss components of load reconciliation charges separately.
- A new **Inadvertent Interchange Charge Summary** report will show the hourly energy, congestion, and loss components of each LSE's inadvertent interchange charge. This new report will be available under the Interchange report type.
- A new **EDC Inadvertent Allocations** report will show each EDC their real-time load ratio share of the hourly PJM Inadvertent Interchange MWh applicable to their territory for informational purposes. This new report will be available under the Interchange report type.
- A new **Load eSchedules With and Without Losses** report will show each load responsibility eSchedule MWh values including losses (as originally submitted) and de-rated to exclude losses. This new report will be available under the Interchange report type.
- A new **EDC Hourly Loss Deration Factor** report will show each EDC their hourly loss de-ration factors that are used to de-rate load MWh in their territory. This new report will be available under the Transmission Losses report type.



- The **Load Response Monthly Summary** report will be modified to include the applicable EDC hourly loss de-rating factors used to remove losses from load reduction amounts.
- A new **Meter Correction Charge Summary** report replaces the eMTR display and will show EDC and generator shares of end-of-month meter correction charges. This new report will be available under the Monthly Summary report type.
- A new **Meter Correction Allocation Charge Summary** report will show the LSE allocations of meter correction charges due to PJM external tie (including external 500 kV) corrections. This new report will be available under the Monthly Summary report type.
- The **Schedule 1A Summary** report will be modified to clarify that load, inclusive of losses, is being used for this calculation.

EXISTING REPORT	NEW / MODIFIED REPORT
<p><b>Spot Market Energy Summary</b>            (org_id, day, hour, dst,            day_ahead_net_interchange,            day_ahead_spot_mkt_purchase_mwh,            day_ahead_load_wtd_avg_lmp,            day_ahead_buyer_charge,            day_ahead_spot_mkt_sale_mwh,            day_ahead_gen_wtd_avg_lmp,            day_ahead_seller_credit,            real_time_net_interchange,            balancing_spot_mkt_purchase_deviation_mwh,            balancing_load_wtd_avg_lmp,            balancing_charge,            balancing_spot_mkt_sale_deviation_mwh,            balancing_gen_wtd_avg_lmp,            balancing_credit)</p>	<p><b>Spot Market Energy Summary</b>            (org_id, day, hour, dst,            da_spot_market_net_interchange,            da_pjm_energy_price,            da_spot_market_energy_charge,              rt_spot_market_net_interchange,            bal_spot_market_deviation,            rt_pjm_energy_price,            bal_spot_market_energy_charge)</p>
<p><b>Congestion Summary</b>            (org_id, day, hour, dst,            day_ahead_load_mwh,            day_ahead_gen_mwh,            day_ahead_load_charge,            day_ahead_gen_credit,            day_ahead_net_energy_bill,            day_ahead_spot_mkt_interchange_charge,            day_ahead_implicit_congestion_charge,            day_ahead_explicit_congestion_charge,            balancing_load_deviation_mwh,            balancing_gen_deviation_mwh,            balancing_load_charge,            balancing_gen_credit,            balancing_net_energy_bill,            balancing_spot_mkt_interchange_charge,            balancing_implicit_congestion_charge,            balancing_explicit_congestion_charge,            ftr_target_allocation,            ftr_congestion_credit, credit_from_uts,            credit_for_monthly_excess)</p>	<p><b>Congestion Summary</b>            (org_id, day, hour, dst,            day_ahead_congestion_withdrawal_mwh,            day_ahead_congestion_injection_mwh,            day_ahead_congestion_withdrawal_charge,            day_ahead_congestion_injection_credit,            day_ahead_implicit_congestion_charge,              day_ahead_explicit_congestion_charge,            balancing_congestion_withdrawal_deviation_mwh,            balancing_congestion_injection_deviation_mwh,            balancing_congestion_withdrawal_charge,            balancing_congestion_injection_credit,            balancing_implicit_congestion_charge,              balancing_explicit_congestion_charge,            ftr_target_allocation,            ftr_congestion_credit, credit_from_uts,            credit_for_monthly_excess)</p>



<p><b>Explicit Congestion Charges</b>  (org_id, day, hour, dst, oasis_id, reservation_type, reserved_mw, energy_id, buyer, seller, sink_name, source_name, day_ahead_scheduled_mwh, day_ahead_sink_imp, day_ahead_source_imp, day_ahead_explicit_congestion_charge, balancing_deviation_mwh, balancing_sink_imp, balancing_source_imp, balancing_explicit_congestion_charge)</p>	<p><b>Explicit Congestion Charges</b>  (org_id, day, hour, dst, energy_id, nerc_tag, oasis_id, buyer, seller, sink_name, source_name, da_transaction_mwh, da_sink_congestion_price, da_source_congestion_price, da_explicit_congestion_charge, rt_transaction_mwh, bal_dev_mwh, rt_sink_congestion_price, rt_source_congestion_price, bal_explicit_congestion_charge)</p>
<p>N/A</p>	<p><b>Transmission Loss Charge Summary</b>  (org_id, day, hour, dst_flag, day_ahead_loss_withdrawal_mwh, day_ahead_loss_injection_mwh, day_ahead_loss_withdrawal_charge, day_ahead_loss_injection_credit, day_ahead_implicit_loss_charge, day_ahead_explicit_loss_charge, balancing_loss_withdrawal_deviation_mwh, balancing_loss_injection_deviation_mwh, balancing_loss_withdrawal_charge, balancing_loss_injection_credit, balancing_implicit_loss_charge, balancing_explicit_loss_charge)</p>
<p>N/A</p>	<p><b>Explicit Loss Charges</b>  (org_id, day, hour, dst, energy_id, nerc_tag, oasis_id, buyer, seller, sink_name, source_name, da_transaction_mwh, da_sink_loss_price, da_source_loss_price, da_explicit_loss_charge, rt_transaction_mwh, bal_dev_mwh, rt_sink_loss_price, rt_source_loss_price, bal_explicit_loss_charge)</p>
<p>N/A</p>	<p><b>Transmission Loss Credit Summary</b>  (org_id, day, hour, dst, total_pjm_loss_revenues, real_time_load, real_time_exports, total_pjm_real_time_load_plus_exports, transmission_loss_credit)</p>
<p><b>Energy Reconciliation</b>  (org_id, day, hour_ending, dst, edc_la, pjm_eschedules_contract_id, net_reconciliation_mwh, aggregate_bus_name, real_time_imp, reconciliation_charge)</p>	<p><b>Energy Congestion Losses Charges Reconciliation</b>  (org_id, day, hour_ending, dst, edc_la, pjm_eschedules_contract_id, net_reconciliation_mwh, aggregate_bus_name, real_time_energy_price, real_time_congestion_price, real_time_loss_price, energy_reconciliation_charge, congestion_reconciliation_charge, loss_reconciliation_charge)</p>



N/A	<b>Inadvertent Interchange Charge Summary</b> (org, day, hour_ending, dst, total_pjm_inadvertent_interchange, rt_pjm_energy_price, rt_pjm_congestion_price, rt_pjm_loss_price, rt_load, total_pjm_rt_load, inadvertent_energy_charge, inadvertent_congestion_charge, inadvertent_loss_charge)
N/A	<b>EDC Inadvertent Allocations</b> (org_id, day, hour_ending, dst, total_edc_rt_load, total_pjm_rt_load, total_pjm_inadvertent_interchange, edc_inadvertent_mwh)
N/A	<b>Load eSchedules With and Without Losses</b> (id, type, status, seller, buyer, hr1, hr2, hr3, ..., hr24, total)
N/A	<b>EDC Hourly Loss Deration Factor</b> (day, hour_ending, dst, edc, loss_deration_factor)
<b>Load Response Monthly Summary</b> (org_id, edc_account_number, end_use_customer, zone, day, hour_ending, dst, load_response_day_ahead_mwh, day_ahead_imp, day_ahead_retail_rate_use, csp_day_ahead_credit, lse_day_ahead_charge, cbl_kwh, metered_load_kwh, loss_factor, real_time_load_response_mwh_plus_losses, real_time_imp, real_time_retail_rate_used, csp_real_time_credit, lse_real_time_charge)	<b>Load Response Monthly Summary</b> (org_id, edc_account_number, end_use_customer, zone, day, hour_ending, dst, load_response_day_ahead_mwh, day_ahead_imp, day_ahead_retail_rate_use, csp_day_ahead_credit, lse_day_ahead_charge, cbl_kwh, metered_load_kwh, loss_factor, edc_loss_deration_factor, real_time_load_response_mwh_plus_losses, real_time_imp, real_time_retail_rate_used, csp_real_time_credit, lse_real_time_charge)
N/A	<b>Meter Correction Charge Summary</b> (org_id, month, year, counter_party, total_correction, participant_correction_share, rate, charge)
N/A	<b>Meter Correction Allocation Charge Summary</b> (org_id, month, year, type, <a href="#">total_correction_mwh</a> , total_correction_charge, pjm_east_load, total_pjm_east_load, pjm_region_load, total_pjm_region_load, charge)
<b>Schedule 1A Summary</b> (org_id, month, zone, zonal_rate, participant_load_in_zone, participant_point_to_point_transmission_use, charge, total_load_in_zone, pjm_total_point_to_point_charges, point_to_point_allocation_share, credit)	<b>Schedule 1A Summary</b> (org_id, month, zone, zonal_rate, participant_load_with_losses_in_zone, participant_point_to_point_transmission_use, charge, total_load_with_losses_in_zone, pjm_total_point_to_point_charges, point_to_point_allocation_share, credit)