

Effective Date	9.21-2023
Impacted Manual #(s)/Manual Title(s):	
Manual 28: Operating Agreement Accounting	
Conforming Order(s): Periodic Review	
Associated Issue Tracking Title:	N/A
Committee Approval Path - What committee(s) have already seen these changes?	
MIC First Read: 8.9.2023	MIC Endorsement: 9.6.2023
MRC First Read: 8.24.2023	MRC Endorsement: 9.20.2023
MRC 1st read date:	8.24.2023
MRC voting date:	9.20.2023
Impacted Manual sections:	
All	
Reason for change:	
All - Periodic Biennial Review Section 4 (Regulation): Conforming changes for regulation mileage per order EL21-83-000	
Summary of the changes:	
<ul style="list-style-type: none"> • Grammar, Punctuation, Typos, Syntax Consistency, Reference Updates • Addition of clarifying words and phrases • Removal of terminated business rules • Deletion of duplicate material • Clarification of business rules for Direct Charging Energy (hybrids and ESRs) • Section 3 (Spot Market): Consistent use of fully metered EDC, day-ahead, and balancing terminology • Section 4 (Regulation): Conforming changes for regulation mileage per order EL21-83-000 • Section 5 (Operating Reserves): <ul style="list-style-type: none"> ○ Replaced UDS basepoint MW with dispatch signal MW ○ Replaced UDS LMP desired MW with Dispatch Imp desired MW ○ Corrected Balancing Operating Reserve Target calculation ○ Including Nuclear unit eligibility description in Section 5.2.1 ○ Updated submittal process for condense to generation costs (Submitted via Markets Gateway, not manually submitted) ○ Reformatted balancing energy market value for easier understanding ○ Removed references to Demand Resources, calculations are covered in Section 11. ○ Added references to Secondary Reserves ○ Added up-to congestion transactions to DA Op Reserves charge denominator ○ Added Section 5.3.2.3A, Calculation of Ramp Limited Desired MW consistent with M11 (will be removed from M11 at a later date). ○ Reworded Section 5.3.5 Reactive Services • Section 6 (Synchronized Reserves): Clarifications to shortfall MW and charge calculations (e.g. shortfall MW if multiple events during a day and corrected billing line item) • Sections 6, 7, and 19 (SR, NSR, and SecR): Added obligation calculation details if RT assignments are zero. • Section 8 and 9 (Transmission Congestion & Losses): Added explicit charge details for up-to congestion transactions. 	

- Section 9.4 (Transmission Loss Credits): Replaced specific non-firm export reduction factor percentage with calculation description
- Section 11 (Load Response): Replaced description of LM testing allocation ratio with formula
- Section 15 (Market Revenue Neutrality Offset): Corrected cost component of LOC Credit Due to Reduction for Non-Synchronized Reserve
- Section 16 (FTR Auction): Updated to reflect changes allowing self-scheduling by class type
- Section 16 (FTR Auction) and 17 (ARR Settlements): Clarified inclusion of long-term FTR auctions
- Section 17 (ARR Settlement): Added ARR allocation business rule for Direct Charging Energy
- Section 22 (Open-loop Hybrid & Energy Storage): Corrected placement of following dispatch within 10% business rule.
- Section 23: Fuel Cost Policy Penalty Settlements: New section describing settlements methodology consistent with Operating Agreement Schedule 2