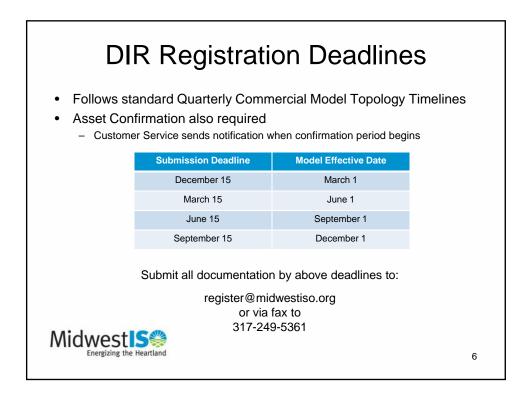
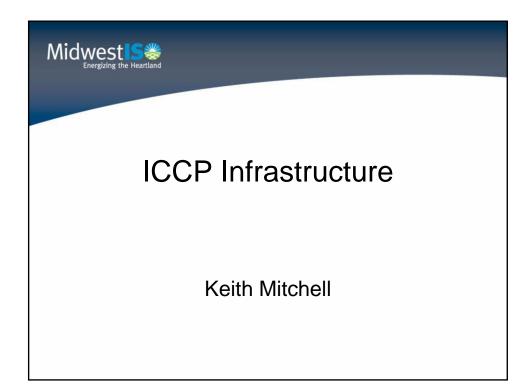
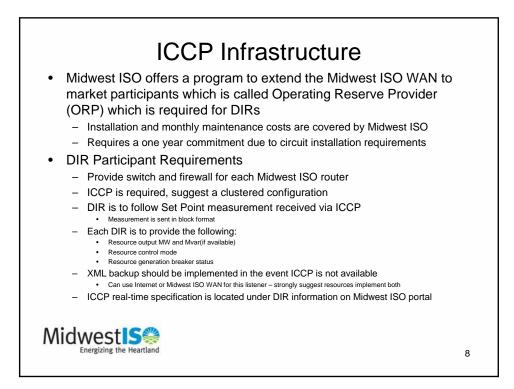


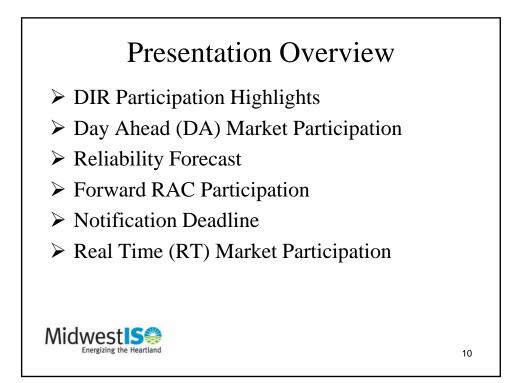
Similar to Generator Registration				
Document	Description / Requirements			
Attachment B – Change of Information Form	 Signed by authorized contact from Market Participant Submit to register@midwestiso.org by Quarterly Topology Deadling 			
Generator Template (.csv)	Complete <u>all</u> required fields, including: • Intermittent Flag (<i>No, Intermittent, or DIR</i>) • DIR Forecast Feasibility Limit (<i>If DIR, Max Resource Output Capabilit</i>) • Interconnection Agreement Number (<i>e.g. G123</i>)			
MDMA Template (.csv)	Additional data on Meter Data Management Agent (MDMA) for the CPNode			
Wind Forecast Template	Required for ALL wind generation; will be covered during Wind Forecast session			
Asset Owner Template (.csv)	Required if creating new Asset Owner			
Section XI	Required to show resource ownership relationship			
Section XIV	Required if MDMA is an entity other than the Market Participant			

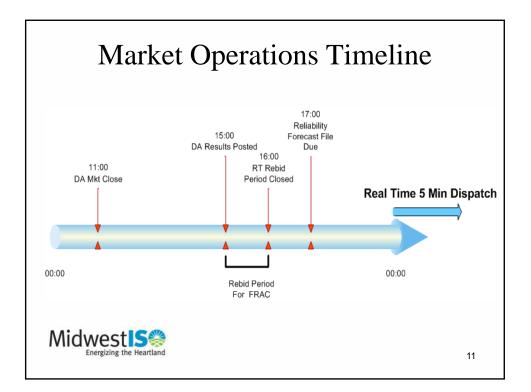


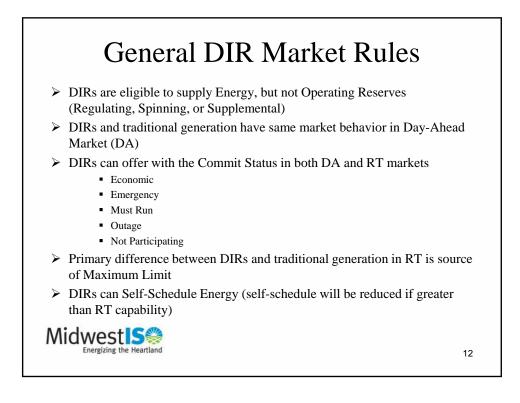


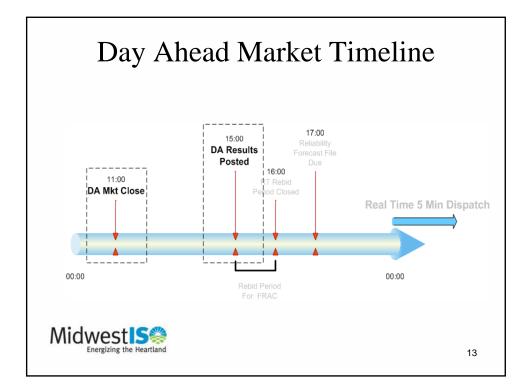


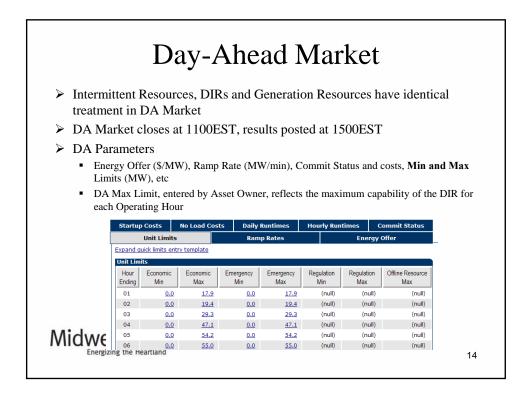


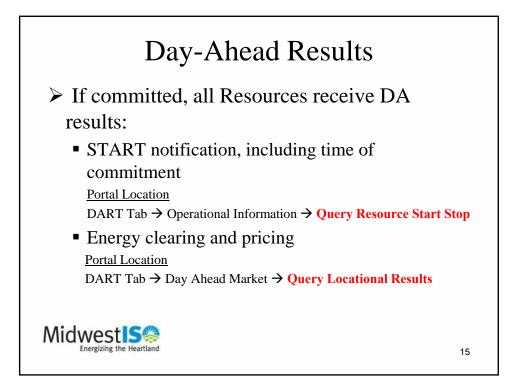


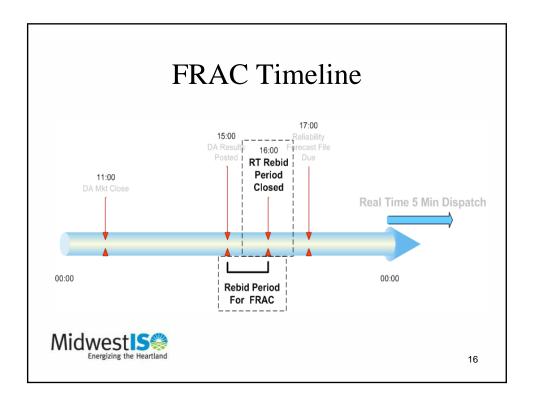


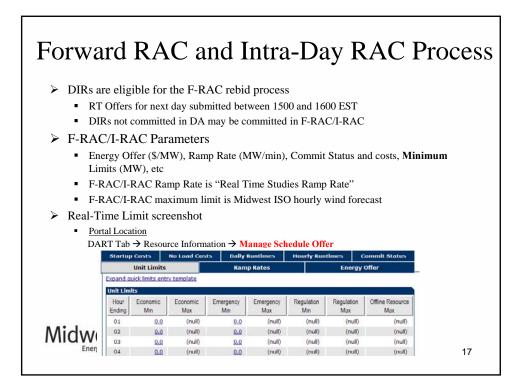


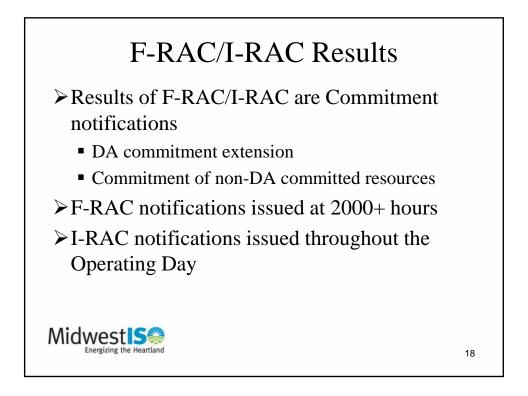


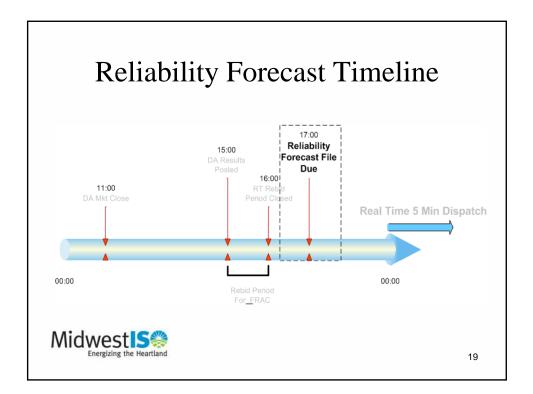


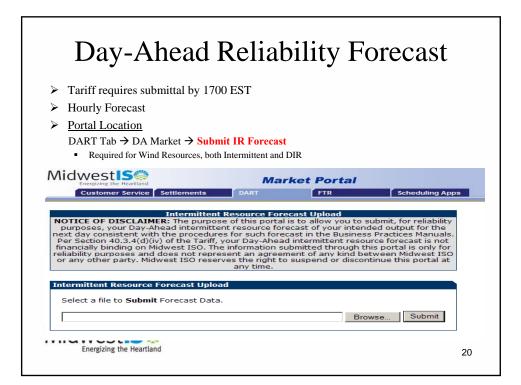


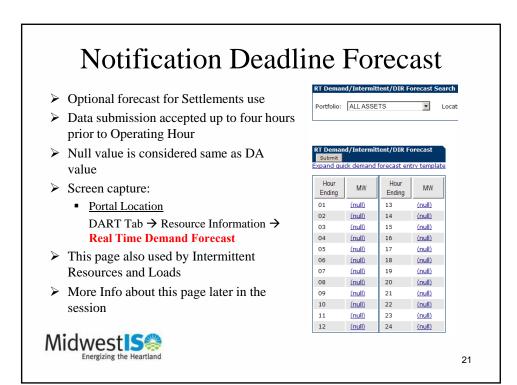




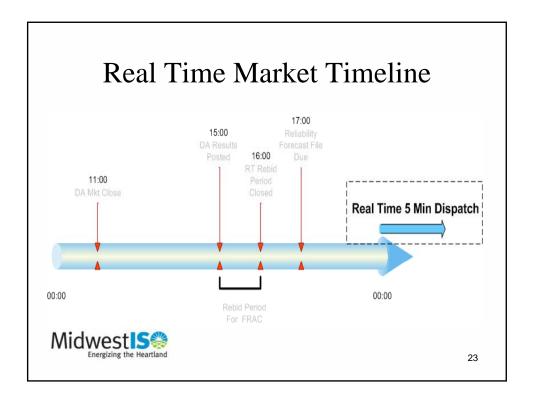


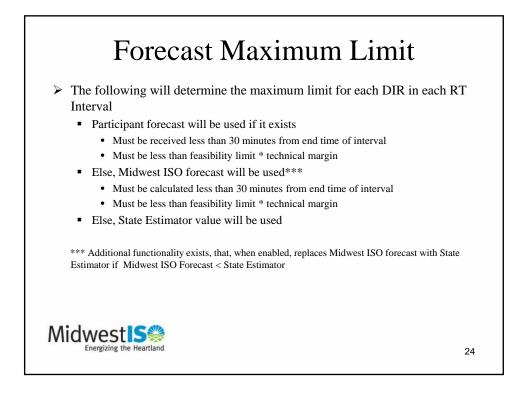


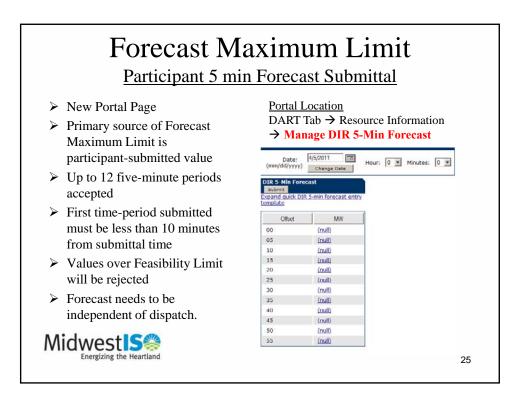




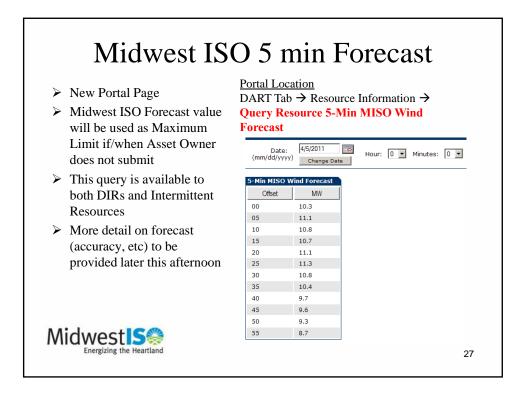
		Comparison	
Type of Resource → erational Parameters ↓	Intermittent	Generation	DIRs
Offers	No Offers	Energy and OR Offers (\$/MW)	Energy Offers (\$/MW
Ramp Rates	No Ramp Rates	Ramp Rates	Ramp Rates
Limits	No Limits MW(t0) = SE(t-12)	Hourly Max and Min Limits	Hourly Min Limit 5-Min Forecast Max Li
Marginal	Cannot be Marginal	Can be Marginal	Can be Marginal
Dispatchable	No (Manual Only)	Yes	Yes

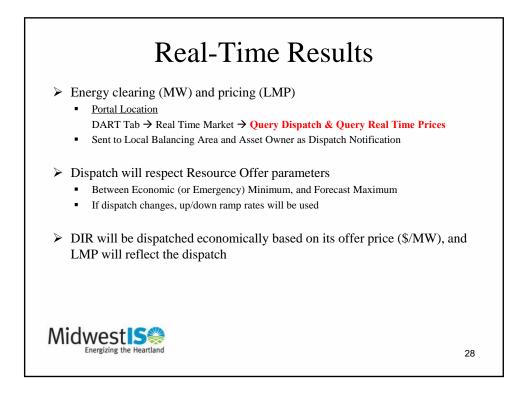


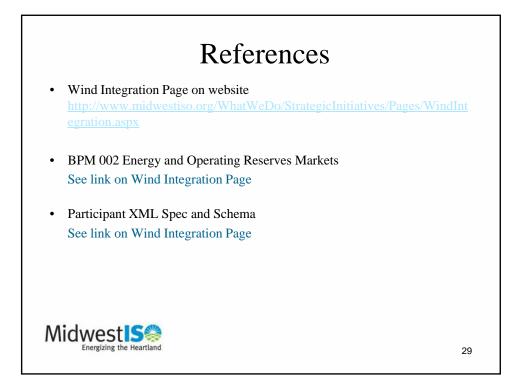


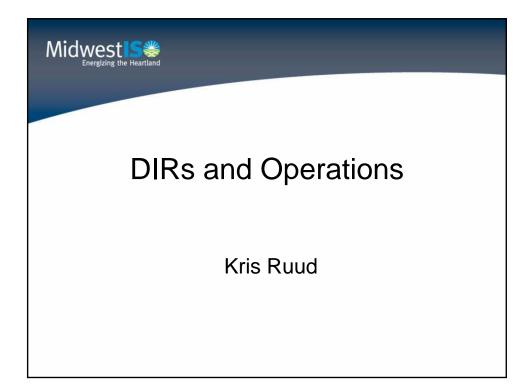


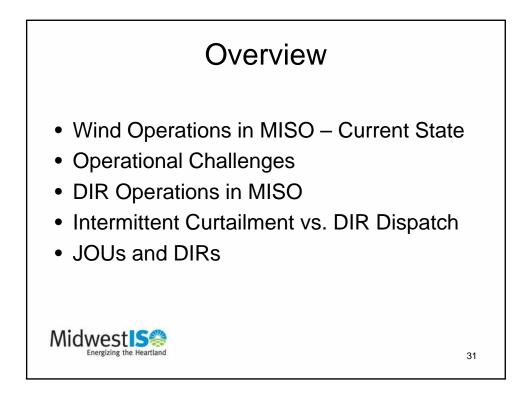
A	Participant Forecast Submittal Example <u>Manage DIR 5-Min Forecast Example</u> First time period submitted must be < 10mins from submittal time At 13:11, 12 contiguous forecast values for 13:15 and 13:20 can be submitted									
		13:11		At 13:11			At 13:11			
Offset		13:15 MW Submittal?	For 13:20 Offset Time MW Submittal?			Offset		13:25 MW Submittal?		
00	13:15	vivv Submittan:		00	13:20	V		00	13:25	
05	13:20	V		05	13:20	V		05	13:30	x
	13.20	•		05	13.23			05	15.50	^
	12:25	v		10	12.20	1		10	12.25	×
10	13:25	V V		10	13:30	√ √		10	13:35	x
10 15	13:30	v		15	13:35	V		15	13:40	x
10 15 20	13:30 13:35			15 20	13:35 13:40			15 20	13:40 13:45	x x
10 15 20 25	13:30 13:35 13:40	V V V		15 20 25	13:35 13:40 13:45	√ √ √		15 20 25	13:40 13:45 13:50	x x x
10 15 20 25 30	13:30 13:35 13:40 13:45	V V V V		15 20 25 30	13:35 13:40 13:45 13:50	V V V V		15 20 25 30	13:40 13:45 13:50 13:55	x x x x x
10 15 20 25 30 35	13:30 13:35 13:40 13:45 13:50	V V V V V V		15 20 25 30 35	13:35 13:40 13:45 13:50 13:55			15 20 25 30 35	13:40 13:45 13:50 13:55 14:00	x x x x x x
10 15 20 25 30 35 40	13:30 13:35 13:40 13:45 13:50 13:55	V V V V V V V		15 20 25 30 35 40	13:35 13:40 13:45 13:50 13:55 14:00	V V V V V V		15 20 25 30 35 40	13:40 13:45 13:50 13:55 14:00 14:05	x x x x x x x x
10 15 20 25 30 35	13:30 13:35 13:40 13:45 13:50	V V V V V V		15 20 25 30 35	13:35 13:40 13:45 13:50 13:55			15 20 25 30 35	13:40 13:45 13:50 13:55 14:00	x x x x x x

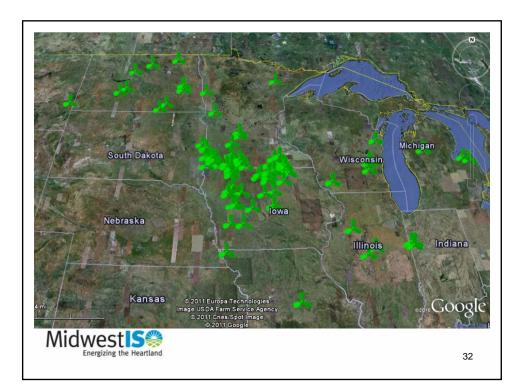


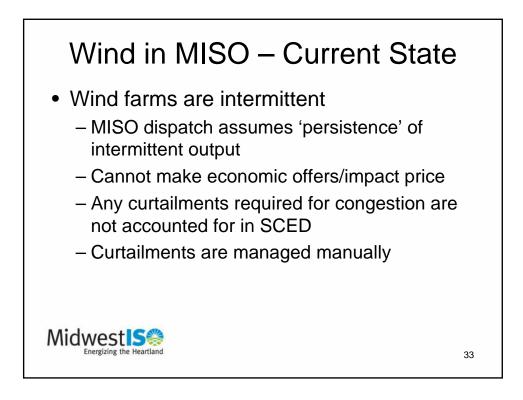


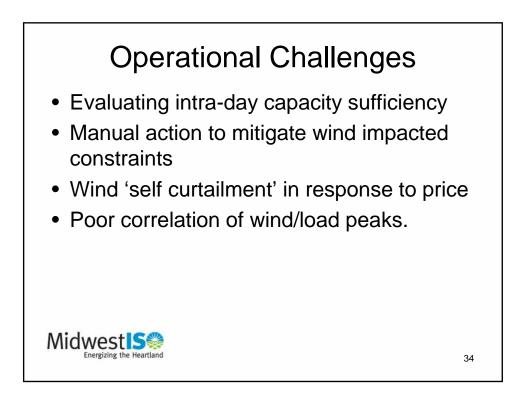






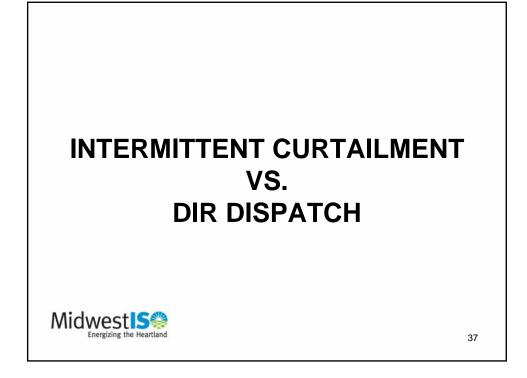


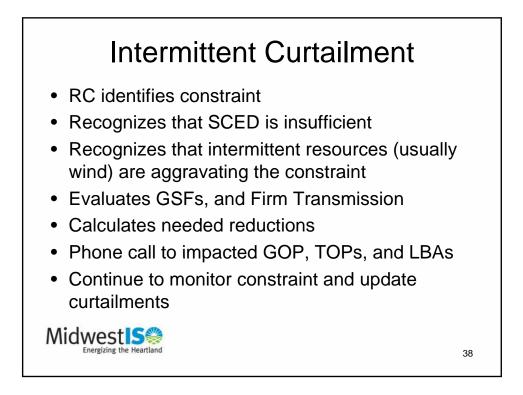


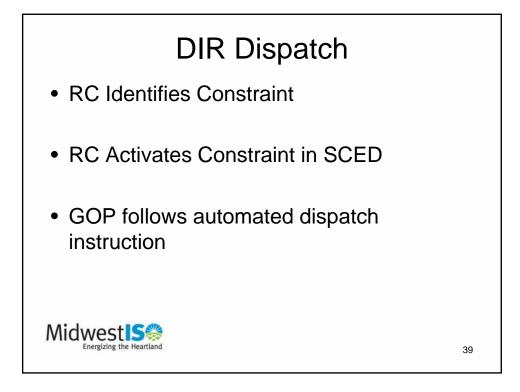


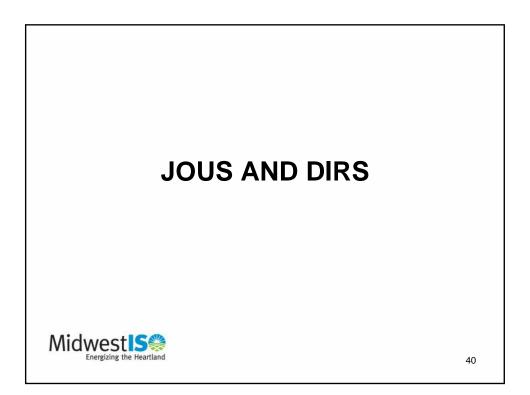
2009 vs. 20	2009 vs. 2010 Curtailments		
	2009 Total	2010 Total	
No of Wind Curtailments	1,141	2,117	
Estimated MWh Curtailed	292,000	824,000	
Duration (Hours)	8,005	19,951	
		35	

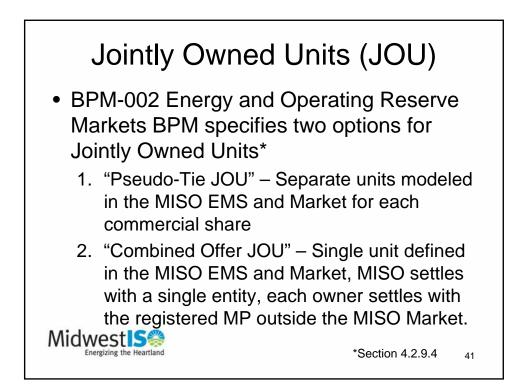


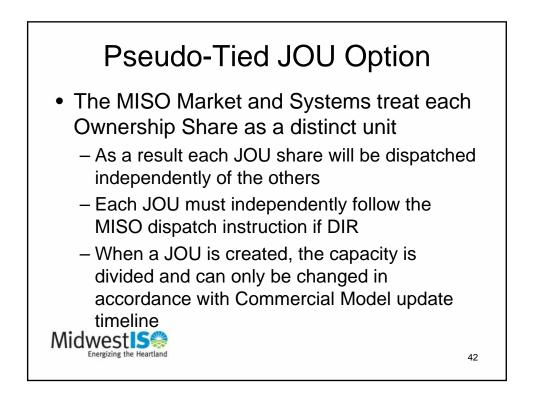


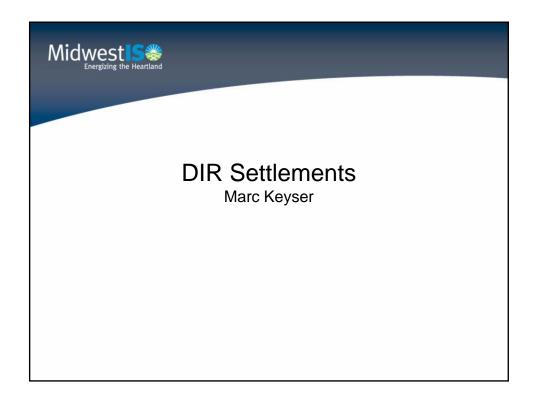


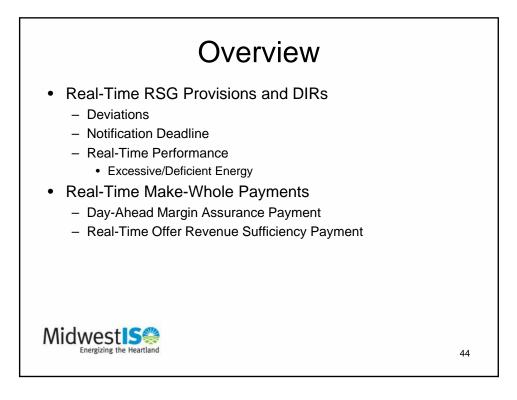


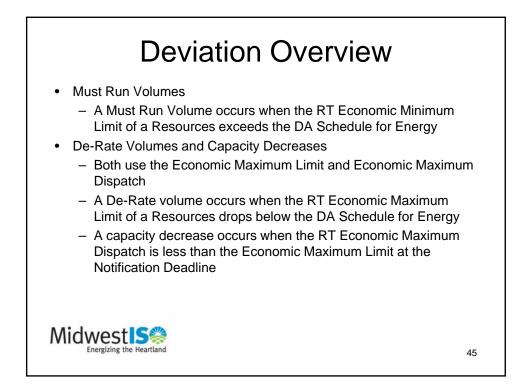


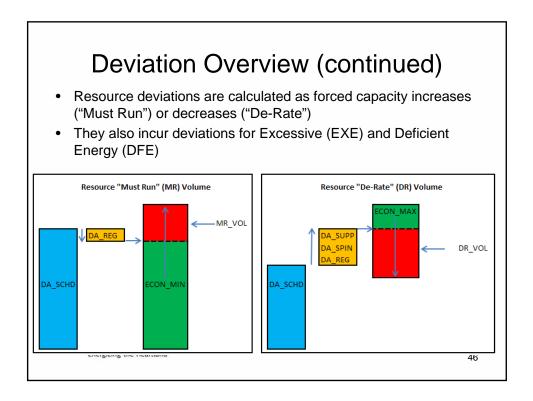


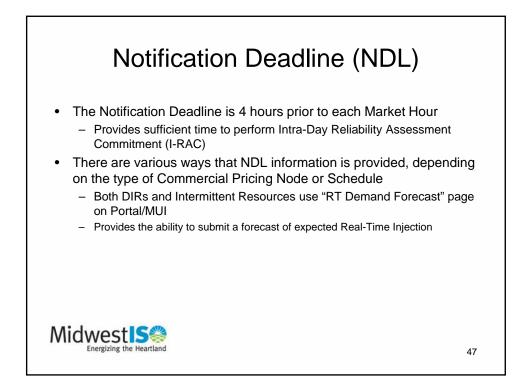


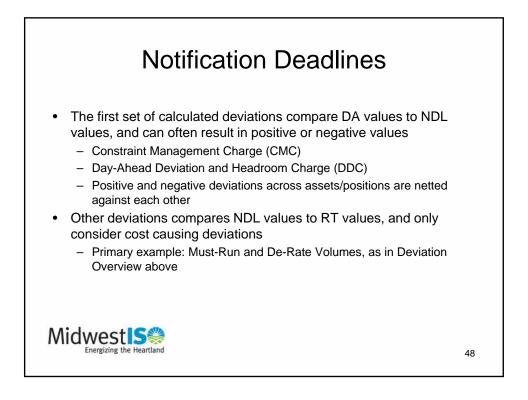


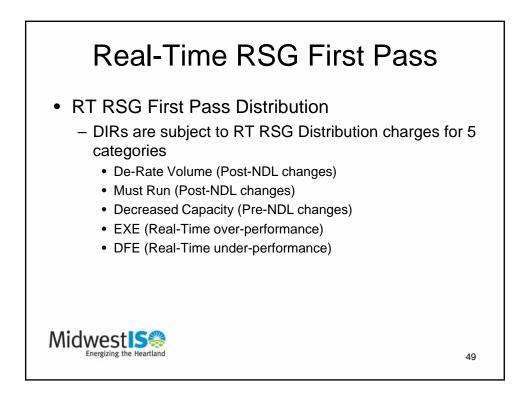


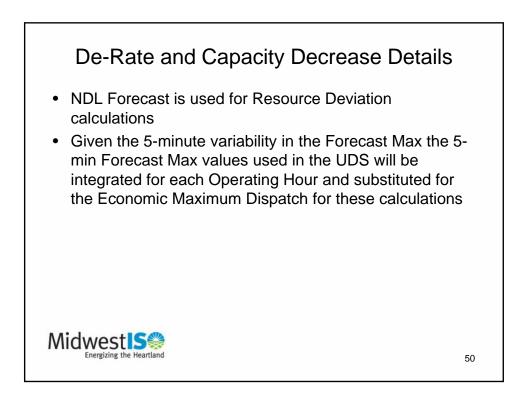


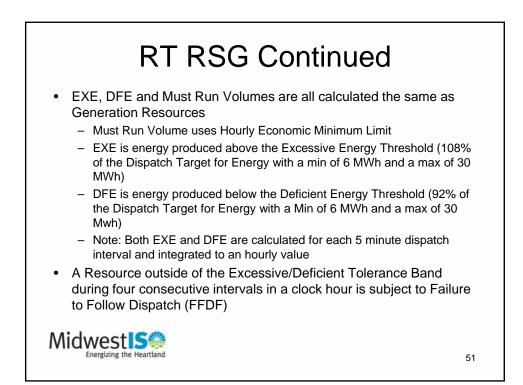


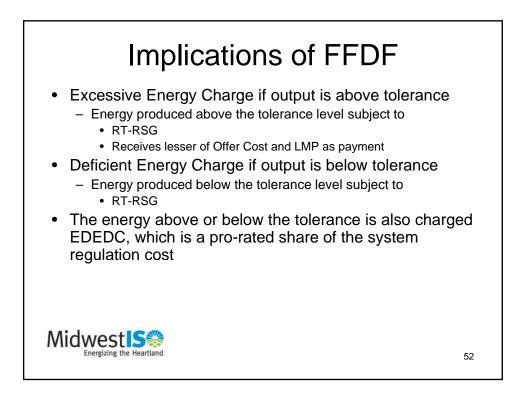


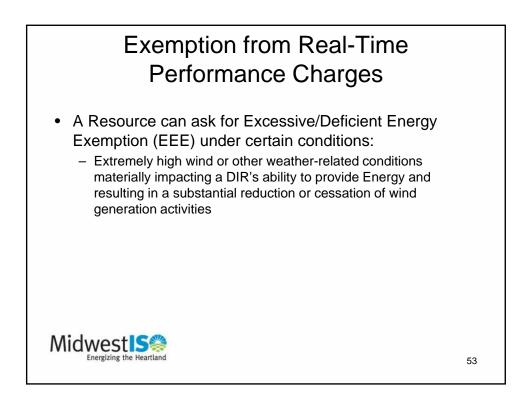


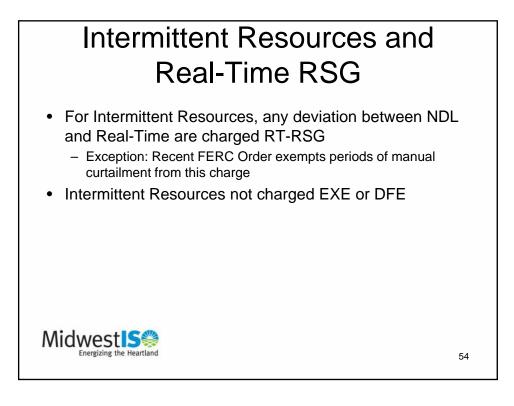


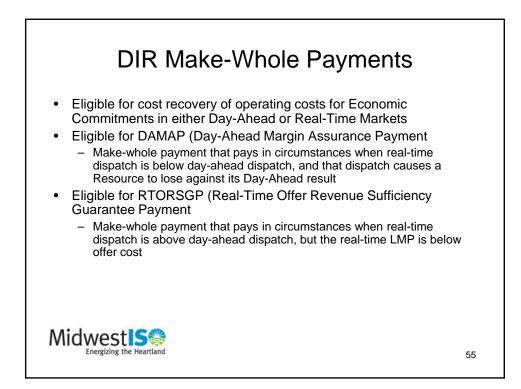


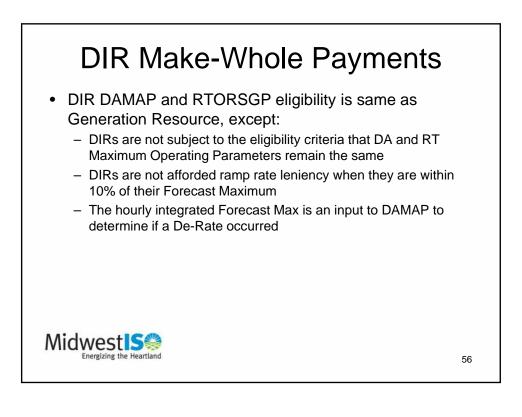




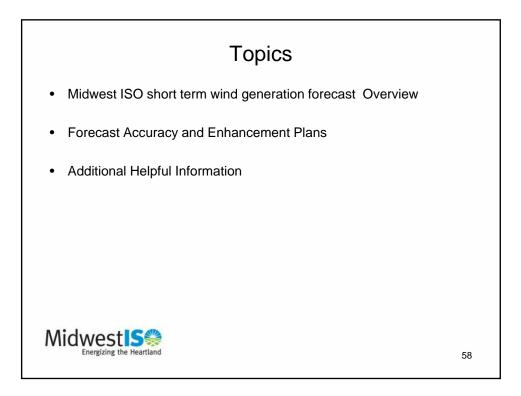


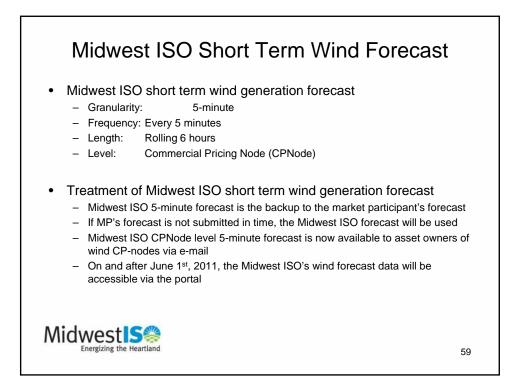


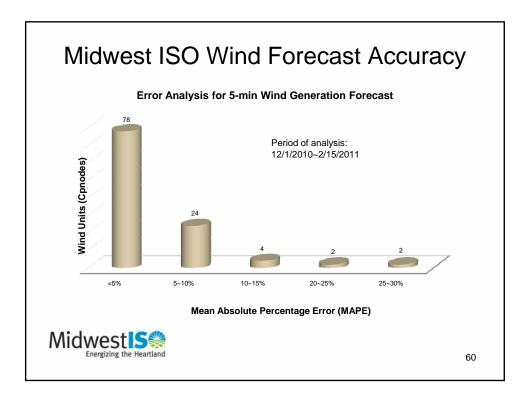


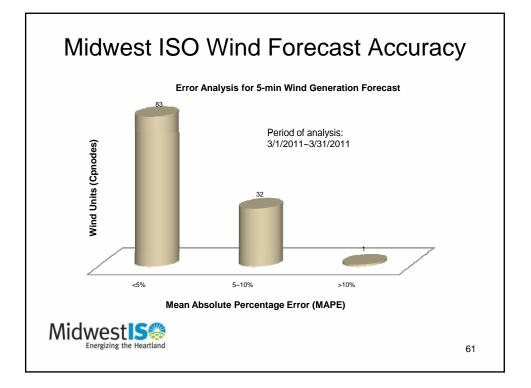


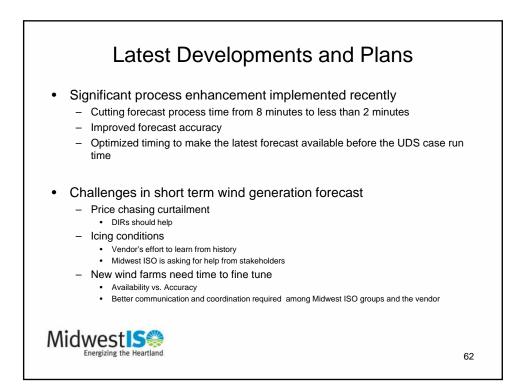












*Table 1.01: New/updated wind farm Cpno	de information
Cpnode Name:	
Wind farm common name:	
Centralized geographic co-ordinate information:	
Latitude (in degrees with at least 4 decimal points):	
Centralized geographic co-ordinate information:	
Longitude (in degrees with at least 4	
decimal points):	
Hub height in meters (measured from the ground level):	
Maximum nameplate capacity in MW:	
High wind speed cutoff threshold	
High temperature cutoff threshold in Fahrenheit:	
Cold temperature cutoff threshold in	
Fahrenheit	
Number of turbine:	
Operational Date:	