

Appendix F: Examples of Generation Resource Performance Assessments During DY

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Example #1: Single Party Commits Unit to RPM

Example Description:

- Party E owns 45 MW (ICAP) of Generator #6 and commits 40 MW (UCAP) of Generator #6 to RPM for entire DY through DY BRA. Party E fails to meet their RPM Commitment Compliance.
- Generator #6 fails the following Resource Performance Assessments during the DY:
 - Summer/Winter Capacity Testing
 - Peak-Hour Period Availability
- No replacement resources are specified.

UNIT PERFORMANCE DATA FOR GENERATOR #6

UNIT DATA		COMMENTS/FORMULA
<i>General Data:</i>		
Daily ICAP MW	45 MW	Summer Net Dependable Rating
Effective EFORd	.3	Effective EFORd during DY
Daily UCAP MW	31.5 MW	ICAP*(1-Effective EFORd)
<i>Commitment Data:</i>		
Daily RPM Resource Commitments	40 MW	Party E cleared 40 MW in DY BRA.
Daily FRR Capacity Plan	0 MW	Party E is not an FRR Alternative LSE and does not commit any MWs

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UNIT DATA		COMMENTS/FORMULA
Commitments		to an FRR Capacity Plan.
Unit Average Daily ICAP Commitment Amount	$[(40 \text{ MW} * 365 \text{ days}) / (1 - 0.3) + (0 * 365 \text{ days})] / 365 \text{ days} = 57.1 \text{ MW}$	$(\text{Sum of Daily RPM Resource Commitments for DY} / (1 - \text{Effective EFORd}) + \text{Sum of Daily FRR Capacity Plan Commitments for DY}) / 365 \text{ days}$
Total Unit ICAP Commitment Amount	45 MW	Lesser of (a) Unit Average Daily ICAP Commitment Amount or (b) Maximum Summer Net Dependable Rating during DY
Unit Average Daily FRR ICAP Commitment Amount	$(0 \text{ MW} * 365 \text{ days}) / 365 \text{ days} = 0 \text{ MW}$	$\text{Sum of Daily FRR Capacity Plan Commitments for DY} / 365 \text{ days}$
Unit Average Daily RPM ICAP Commitment Amount	$45 \text{ MW} - 0 \text{ MW} = 45 \text{ MW}$	Total Unit ICAP Commitment Amount – Unit Average Daily FRR ICAP Commitment Amount
<i>Summer/Winter Capacity Testing:</i>		
Highest ICAP Rating in Summer Test	35 MW	
ICAP Shortfall for Summer Testing Period	$45 \text{ MW} - 35 \text{ MW} = 10 \text{ MW}$	<ul style="list-style-type: none"> • Total Unit ICAP Commitment Amount – Highest ICAP Rating in Summer Test • Applied daily for months of June –November of DY.
Highest ICAP Rating in Winter Test	40 MW	
ICAP Shortfall for Winter Testing Period	10 MW = Higher of (a) 10 MW; or (b) $45 \text{ MW} - 40 \text{ MW} = 5 \text{ MW}$.	<ul style="list-style-type: none"> • Higher of (a) ICAP Shortfall for Summer Testing Period or (b) Total Unit ICAP Commitment Amount – Highest ICAP Rating in Winter Test. • Applied daily for months of December-May of DY.
<i>Peak-Hour Period Availability:</i>		
EFORd-5	0.05	
Target UCAP (TCAP)	$45 \text{ MW} * (1 - 0.05) = 42.8$	Total Unit ICAP Commitment Amount * (1 - EFORd-5)

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UNIT DATA		COMMENTS/FORMULA
	MW	
EFORp	0.15	
Peak Period Capacity Available (PCAP)	45 MW * (1-0.15) = 38.3 MW	Total Unit ICAP Commitment Amount * (1- EFORp)
Peak-Hour Period Capacity Shortfall	42.8 MW – 38.3= 4.5 MW	TCAP-PCAP

PARTY E DATA FOR GENERATOR #6

DATA	PARTY E	COMMENTS/FORMULA
Daily ICAP Owned	45 MW	
Daily FRR Capacity Plan Commitments	0 MW	Party E made no FRR Capacity Plan Commitments on Generator #6.
Daily Available ICAP (prior to BRA)	45 MW	Daily ICAP Owned –Daily FRR Capacity Plan Commitments
ICAP Offered in DY BRA	45 MW	
Sell Offer EFORd	0.11100	
UCAP Offered in DY BRA	40 MW	ICAP Offered in DY BRA * (1-Sell Offer EFORd)
Daily Unoffered ICAP	0 MW	Daily Available ICAP-ICAP Offered
Daily Cleared UCAP in DY BRA	40 MW	
Party's Weighted Average Resource Clearing Price for such resource	\$116/MW-day	A Party's WARCP for a resource considers the resource clearing prices received and MWs cleared for such resource by the party across all RPM auctions for the DY.
Party's Weighted Average Resource Clearing Price in LDA	\$90/MW-day	A Party's WARCP in LDA considers the resource clearing prices received and MWs cleared by all the Party's resources in an LDA across all RPM Auctions.
Average Daily FRR ICAP Commitment Amount	(0 MW * 365 days)/365 days = 0 MW	Sum of Party's Daily FRR Capacity Plan Commitments/365 days

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DATA	PARTY E	COMMENTS/FORMULA
Average Daily RPM ICAP Commitment Amount	$(40 \text{ MW} * 365 \text{ days} / 40 \text{ MW} * 365 \text{ days}) * 45 \text{ MW} = 45 \text{ MW}$	Sum of Party's Daily RPM Resource Commitments/Sum of Total Daily RPM Resource Commitments for unit * Unit Average Daily RPM ICAP Commitment Amount
Share of Total Unit ICAP Commitment Amount	$0 \text{ MW} + 45 \text{ MW} = 45 \text{ MW}$	Average Daily FRR ICAP Commitment Amount + Average Daily RPM ICAP Commitment Amount
<i>RPM Commitment Compliance:</i>		
Daily RPM Resource Commitments	40 MW	Daily Cleared UCAP in BRA
Daily RPM Generation Resource Position	$(45 \text{ MW} - 0 \text{ MW} - 0 \text{ MW}) * (1 - 0.3) = 31.5 \text{ MW}$	$(\text{Daily ICAP Owned} - \text{Daily FRR Capacity Plan Commitments} - \text{Daily Unoffered ICAP}) * (1 - \text{Effective EFORD})$
RPM Commitment Shortage	-8.5 MW (Shortage)	Daily RPM Generation Resource Position - Daily RPM Resource Commitments
Daily Capacity Resource Deficiency Charge	$(\$116 + \$23.20) / \text{MW-day} * 8.5 \text{ MW} = \$1183.20 / \text{day}$	<ul style="list-style-type: none"> • Daily Deficiency Rate * RPM Commitment Shortage • Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-day.
<i>Summer/Winter Capacity Testing</i>		
ICAP Shortfall for Summer Testing Period	$10 \text{ MW} * (0 \text{ MW} + 45 \text{ MW}) / 45 \text{ MW} = 10 \text{ MW}$	<ul style="list-style-type: none"> • Unit ICAP Shortfall for Summer Testing Period * (Party's Average Daily FRR ICAP Commitment Amount + Party's Average Daily RPM ICAP Commitment Amount) / (Total Unit ICAP Commitment Amount) • Applied June-November of DY
ICAP Shortfall for Winter Testing Period	$10 \text{ MW} * (0 \text{ MW} + 45 \text{ MW}) / 45 \text{ MW} = 10 \text{ MW}$	<ul style="list-style-type: none"> • Unit ICAP Shortfall for Winter Testing Period * (Party's Average Daily FRR ICAP Commitment Amount + Party's Average Daily RPM ICAP Commitment Amount) / (Total Unit ICAP Commitment Amount)

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DATA	PARTY E	COMMENTS/FORMULA
		Amount) <ul style="list-style-type: none"> Applied Dec-May of DY
Daily ICAP Shortfall during DY	10 MW	
Daily ICAP Shortfall for RPM Resource Commitments	10 MW * (45 MW/45 MW) = 10 MW	Daily ICAP Shortfall * (Party's Average Daily RPM ICAP Commitment Amount/Party's Share of Total Unit ICAP Commitment Amount)
Generation Resource Rating Test Failure Charge for RPM Resource Commitments during DY	$(\$116 + \$23.20)/\text{MW-day} * 10 \text{ MW} * (1 - 0.3) = \$974.40/\text{day}$	<ul style="list-style-type: none"> Daily Deficiency Rate * Daily ICAP Shortfall * 1- Effective EFORD Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-day.
<i>Peak-Hour Period Availability:</i>		
Peak-Hour Period Capacity Shortfall for RPM Resource Commitments	4.5 MW * (45 MW/45 MW) = 4.5 MW	Unit Peak Period Capacity Shortfall * Party's Daily Average RPM ICAP Commitment Amount/Total Unit ICAP Commitment Amount
Net Peak Period Capacity Shortfall for RPM Capacity Plan Commitments in LDA	0.5 MW	<ul style="list-style-type: none"> The sum of all Peak Period Capacity Shortfall for RPM Capacity Plan Commitments in an LDA in Party E's resource portfolio was 0.5 MW. Another unit or units in Party E's portfolio had excess or negative Peak Period Capacity Shortfall for RPM Resource Commitments totaling 4 MW. (4.5 MW – 4.0 MW = 0.5 MW)
Peak-Hour Period Availability Charge for RPM Resource Commitments	$\$90/\text{MW-day} * 0.5 \text{ MW} = \$45/\text{day}$	<ul style="list-style-type: none"> Daily Peak-Hour Period Availability Charge Rate * Net Peak Period Capacity Shortfall in LDA Charge Rate = Party's Weighted Average Resource Clearing Price in an LDA

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Example #1A: Replacement Resources are specified to cover failures in resource performance during DY.

Example Description:

- Party E specified 8.5 MW UCAP of Generator #8 as replacement resource from June 1, DY – May 31, DY.
- Party E specified 7.6 MW UCAP of Generator #9 as replacement resource from July 1, DY – May 31, DY.
- Avoided Capacity Resource Deficiency Charge, Generation Resource Rating Test Failure Charge, and Peak Hour Period Availability Charge.

UNIT PERFORMANCE DATA FOR GENERATOR #6

UNIT DATA		COMMENTS/FORMULA
<i>General Data:</i>		
Daily ICAP MW	45 MW	Summer Net Dependable Rating
Effective EFORd	.3	Effective EFORd during DY
Daily UCAP MW	31.5 MW	ICAP*(1-Effective EFORd)
<i>Commitment Data:</i>		
Daily RPM Resource Commitments	6/1/DY-6/30/DY: 31.5 MW 7/1/DY-5/31/DY: 23.9 MW	40 MW of Daily RPM Resource Commitments was reduced due to specification of replacement resources. From 6/1/DY-6/30/DY: 40 MW-8.5 MW = 31.5 MW; From 7/1/DY-5/31/DY: 31.5 MW – 7.6 MW = 23.9 MW.
Daily FRR Capacity Plan Commitments	0 MW	Party E is not an FRR Alternative LSE and does not commit any MWs to an FRR Capacity Plan.
Unit Average Daily ICAP Commitment Amount	$(((31.5 \text{ MW} * 30 \text{ days}) + (23.9 \text{ MW} * 335 \text{ days})) / (1 - 0.3)) + (0 * 365 \text{ days}) / 365 \text{ days} = 35 \text{ MW}$	$(\text{Sum of Daily RPM Resource Commitments for DY} / (1 - \text{Effective EFORd}) + \text{Sum of Daily FRR Capacity Plan Commitments for DY}) / 365 \text{ days}$
Total Unit ICAP Commitment Amount	35 MW	Lesser of (a) Unit Average Daily ICAP Commitment Amount or (b) Maximum Summer Net Dependable Rating during DY
Unit Average Daily FRR	$(0 \text{ MW} * 365 \text{ days}) / 365 \text{ days}$	$\text{Sum of Daily FRR Capacity Plan Commitments for DY} / 365 \text{ days}$

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UNIT DATA		COMMENTS/FORMULA
ICAP Commitment Amount	= 0 MW	
Unit Average Daily RPM ICAP Commitment Amount	35 MW - 0 MW = 35 MW	Total Unit ICAP Commitment Amount – Unit Average Daily FRR ICAP Commitment Amount
<i>Summer/Winter Capacity Testing:</i>		
Highest ICAP Rating in Summer Test	35 MW	
ICAP Shortfall for Summer Testing Period	35 MW – 35 MW = 0 MW	<ul style="list-style-type: none"> • Total Unit ICAP Commitment Amount – Highest ICAP Rating in Summer Test • Applied daily for months of June –November of DY.
Highest ICAP Rating in Winter Test	40 MW	
ICAP Shortfall for Winter Testing Period	0 MW = Higher of (a) 0 MW; or (b) 35 MW- 40 MW = -5MW.	<ul style="list-style-type: none"> • Higher of (a) ICAP Shortfall for Summer Testing Period or (b) Total Unit ICAP Commitment Amount – Highest ICAP Rating in Winter Test. • Applied daily for months of December-May of DY.
<i>Peak-Hour Period Availability:</i>		
EFORd-5	0.05	
Target UCAP (TCAP)	35 MW * (1-0.05) = 33.3 MW	Total Unit ICAP Commitment Amount*(1-EFORd-5)
EFORp	0.35	EFORp in Example 1 is lower than the EFORp in Example 1A since a calculated EFORp = 0.35 would be adjusted in Example 1 to account for the unavailability or derating of unit that incurs an RPM Capacity Resource Deficiency Charge or Generation Resource Rating Test Failure Charge.
Peak Period Capacity	35 MW * (1-0.35) = 22.8	Total Unit ICAP Commitment Amount * (1-EFORp)

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UNIT DATA		COMMENTS/FORMULA
Available (PCAP)	MW	
Peak-Hour Period Capacity Shortfall	33.3 MW – 22.8 MW = 10.5 MW	TCAP-PCAP

PARTY E DATA FOR GENERATOR #6

DATA	PARTY E	COMMENTS/FORMULA
Daily ICAP Owned	45 MW	
Daily FRR Capacity Plan Commitments	0 MW	Party E made no FRR Capacity Plan Commitments on Generator #6.
Daily Available ICAP (prior to BRA)	45 MW	Daily ICAP Owned – Daily FRR Capacity Plan Commitments
ICAP Offered in DY BRA	45 MW	
Sell Offer EFORD	0.11100	
UCAP Offered in DY BRA	40 MW	ICAP Offered in DY BRA * (1-Sell Offer EFORD)
Daily Unoffered ICAP	0 MW	Daily Available ICAP-ICAP Offered
Daily Cleared UCAP in DY BRA	40 MW	
Party's Weighted Average Resource Clearing Price for such resource	\$116/MW-day	A Party's WARCP for a resource considers the resource clearing prices received and MWs cleared for such resource by the party across all RPM auctions for the DY.
Party's Weighted Average Resource Clearing Price in LDA	\$90/MW-day	A Party's WARCP in LDA considers the resource clearing prices received and MWs cleared by all the Party's resources in an LDA across all RPM Auctions.
Average Daily FRR ICAP Commitment Amount	(0 MW * 365 days)/365 days = 0 MW	Sum of Party's Daily FRR Capacity Plan Commitments/365 days
Average Daily RPM ICAP Commitment Amount	[(31.5 MW * 30 days) + (23.9 MW * 335 days)] / [(31.5 MW * 30 days) +	Sum of Party's Daily RPM Resource Commitments/Sum of Total Daily RPM Resource Commitments for unit * Unit Average Daily RPM ICAP Commitment Amount

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DATA	PARTY E	COMMENTS/FORMULA
	(23.9 MW* 335 days)] * 35 MW = 35 MW	
Share of Total Unit ICAP Commitment Amount	0 MW + 35 MW= 35 MW	Average Daily FRR ICAP Commitment Amount + Average Daily RPM ICAP Commitment Amount
<i>RPM Commitment Compliance:</i>		
Daily RPM Resource Commitments	6/1/DY-6/30/DY: 31.5 MW 7/1/DY-5/31/DY: 23.9 MW	40 MW of Daily RPM Resource Commitments was reduced due to specification of replacement resources. From 6/1/DY-6/30/DY: 40 MW-8.2 MW = 31.5 MW; From 7/1/DY-5/31/DY: 31.5 MW – 7.6 MW = 23.9 MW.
Daily RPM Generation Resource Position	6/1/DY-5/31/DY: (45 MW – 0 MW- 0 MW)*(1-0.3) = 31.5 MW	(Daily ICAP Owned-Daily FRR Capacity Plan Commitments –Daily Unoffered ICAP) *(1-Effective EFORD)
RPM Commitment Shortage	6/1/DY-6/30/DY: 31.5 MW- 31.5 MW = 0 MW 7/1/DY-5/31/DY: 31.5 MW- 23.9 MW = 7.6 MW (excess)	Daily RPM Generation Resource Position - Daily RPM Resource Commitments
Daily Capacity Resource Deficiency Charge	6/1/DY-5/31/DY: (\$116+\$23.20)/MW-day * 0 MW = \$0/day	<ul style="list-style-type: none"> • Daily Deficiency Rate * RPM Commitment Shortage • Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-day.
<i>Summer/Winter Capacity Testing</i>		
Daily ICAP Shortfall for DY	0 MW	No shortfall in summer or winter testing.

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DATA	PARTY E	COMMENTS/FORMULA
Generation Resource Rating Test Failure Charge for RPM Resource Commitments for DY	$\$(116 + \$23.20)/\text{MW-day} * 0 \text{ MW} * (1 - 0.3) = \$0/\text{day}$	<ul style="list-style-type: none"> Daily Deficiency Rate * Daily ICAP Shortfall * (1- Effective EFORD) Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-day.
<i>Peak-Hour Period Availability:</i>		
Peak Period Capacity Shortfall for RPM Resource Commitments	$10.5 \text{ MW} * (35 \text{ MW}/35 \text{ MW}) = 10.5 \text{ MW}$	Unit Peak Period Capacity Shortfall * Party's Daily Average RPM ICAP Commitment Amount/Total Unit ICAP Commitment Amount
Net Peak Period Capacity Shortfall for RPM Capacity Plan Commitments in LDA	-1.0 MW (excess)	<ul style="list-style-type: none"> The sum of all Peak Period Capacity Shortfall for RPM Capacity Plan Commitments in an LDA in Party E's resource portfolio was -1.0 MW. Units in Party E's portfolio (including replacement resources #8 & #9) had excess or negative Peak Period Capacity Shortfall for RPM Resource Commitments totaling 11.5 MW. $(10.5 \text{ MW} - 11.5 \text{ MW} = -1.0 \text{ MW})$
Peak-Hour Period Availability Charge for RPM Resource Commitments	$\$90/\text{MW-day} * 0 \text{ MW} = \$0/\text{day}$	<ul style="list-style-type: none"> Daily Peak-Hour Period Availability Charge Rate * Net Peak Period Capacity Shortfall in LDA Charge Rate = Party's Weighted Average Resource Clearing Price in an LDA

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Example #2: Multiple Parties Commit Unit to RPM for different portions of DY.

Example Description:

- Party H owns 500 MW (ICAP) of Generator #10 from 6/1/DY-12/31/DY.
- Party I owns 500 MW (ICAP) of Generator #10 from 1/1/DY-5/31/DY.
- PJM self-scheduled unit on behalf of the parties into DY BRA and clears 495 MW (UCAP) in DY BRA at Resource Clearing Price = \$60/MW-day.
- Party H has 495 MW RPM Resource Commitment from 6/1/DY-12/31/DY.
- Party I has 495 MW RPM Resource Commitment from 1/1/DY-5/31/DY.
- Generator #10 fails the following resource performance assessments during the DY:
 - Summer & Winter Capacity Testing
 - PSM Compliance
 - Peak-Hour Period Availability

UNIT DATA FOR GENERATOR #10

UNIT DATA		COMMENTS/FORMULA
<i>General Data:</i>		
Daily ICAP MW	500 MW	Summer Rating
Effective EFORd	.02	Effective EFORd during DY
Daily UCAP MW	490 MW	ICAP*(1-Effective EFORd)
<i>Commitment Data:</i>		
Daily RPM Resource Commitments	495 MW	
Daily FRR Capacity Plan Commitments	0 MW	No portion of this unit was committed to an FRR Capacity Plan.
Unit Average Daily ICAP	$[(495\text{MW} * 365 \text{ days}) / (1 -$	$(\text{Sum of Daily RPM Resource Commitments for DY} / (1 - \text{Effective$

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UNIT DATA		COMMENTS/FORMULA
Commitment Amount	$0.02) + (0 \text{ MW} * 365 \text{ days}) / 365 \text{ days} = 505.1 \text{ MW}$	$\text{EFORd} + \text{Sum of Daily FRR Capacity Plan Commitments for DY} / 365 \text{ days}$
Total Unit ICAP Commitment Amount	500 MW	Lesser of (a) Unit Average Daily ICAP Commitment Amount or (b) Maximum Summer Net Dependable Rating during DY
Unit Average Daily FRR ICAP Commitment Amount	$(0 \text{ MW} * 365 \text{ days}) / 365 \text{ days} = 0 \text{ MW}$	Sum of Daily FRR Capacity Plan Commitments for DY / 365 days
Unit Average Daily RPM ICAP Commitment Amount	$500 \text{ MW} - 0 \text{ MW} = 500 \text{ MW}$	Total Unit ICAP Commitment Amount – Unit Average Daily FRR ICAP Commitment Amount
<i>Summer/Winter Capacity Testing:</i>		
Highest ICAP Rating in Summer Test	495 MW	
ICAP Shortfall for Summer Testing Period	$500 \text{ MW} - 495 \text{ MW} = 5 \text{ MW}$	<ul style="list-style-type: none"> • Total Unit ICAP Commitment Amount – Highest ICAP Rating in Summer Test • Applied daily for months of June –November of DY.
Highest ICAP Rating in Winter Test	500 MW	
ICAP Shortfall for Winter Testing Period	$5 \text{ MW} = \text{Higher of (a) } 5 \text{ MW or (b) } 0 \text{ MW}.$	<ul style="list-style-type: none"> • Higher of (a) ICAP Shortfall for Summer Testing Period or (b) Total Unit ICAP Commitment Amount – Highest ICAP Rating in Winter Test. • Applied daily for months of December-May of DY.
<i>PSM Compliance:</i>		
Amount of Capacity Out-of-Service on Unapproved Planned or Maintenance Outage during Peak Season	10 MW	
PSM Compliance Shortfall	$500 \text{ MW} - (500 \text{ MW} - 10$	Total Unit ICAP Commitment Amount – (Summer Net Dependable

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UNIT DATA		COMMENTS/FORMULA
	MW) = 10 MW	Rating on peak season day – Amount of Capacity Out-of-Service on unapproved planned or maintenance outage on a peak season day)
<i>Peak-Hour Period Availability:</i>		
EFORd-5	0.015	
Target UCAP (TCAP)	500 MW * (1-0.015) = 492.5 MW	Total Unit ICAP Commitment Amount*(1-EFORd-5)
EFORp	0.05	
Peak Period Capacity Available (PCAP)	500 MW * (1-0.05) = 475 MW	Total Unit ICAP Commitment Amount * (1-EFORp)
Peak-Hour Period Capacity Shortfall	492.5 MW – 475 MW = 17.5 MW	TCAP-PCAP

INDIVIDUAL PARTY DATA FOR GENERATOR #10

DATA	PARTY H	PARTY I	COMMENTS/FORMULA
Daily ICAP Owned	6/1/DY-12/31/DY: 500 MW 1/1/DY -5/31/DY: 0 MW	6/1/DY-12/31/DY: 0 MW 1/1/DY-5/31/DY: 500 MW	
Daily FRR Capacity Plan Commitments	0 MW	0 MW	Unit was not committed to a FRR Capacity Plan.
Party's Weighted Resource Clearing Price for such resource	\$60/MW-day	\$60/MW-day	A Party's WARCP for a resource considers the resource clearing prices received and MWs cleared for such resource by the party across all RPM auctions for the DY.
Party's Weighted Resource Clearing Price in LDA	\$50/MW-day	\$60/MW-day	A Party's WARCP in LDA considers the resource clearing prices received and MWs cleared by all the

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DATA	PARTY H	PARTY I	COMMENTS/FORMULA
			Party's resources in an LDA across all RPM Auctions.
Average Daily FRR ICAP Commitment Amount	$(0 \text{ MW} * 365 \text{ days}) / 365 \text{ days} = 0 \text{ MW}$	$(0 \text{ MW} * 365 \text{ days}) / 365 \text{ days} = 0 \text{ MW}$	Sum of Party's Daily FRR Capacity Plan Commitments / 365 days
Average Daily RPM ICAP Commitment Amount	$(495 \text{ MW} * 214 \text{ days} / 495 \text{ MW} * 365 \text{ days}) * 500 \text{ MW} = 293.2 \text{ MW}$	$(495 \text{ MW} * 151 \text{ days} / 495 \text{ MW} * 365 \text{ days}) * 500 \text{ MW} = 206.8 \text{ MW}$	Sum of Party's Daily RPM Resource Commitments / Sum of Total Daily RPM Resource Commitments for unit * Unit Average Daily RPM ICAP Commitment Amount
Share of Total Unit ICAP Commitment Amount	$0 \text{ MW} + 293.2 \text{ MW} = 293.2 \text{ MW}$	$0 \text{ MW} + 206.8 \text{ MW} = 206.8 \text{ MW}$	Average Daily FRR ICAP Commitment Amount + Average Daily RPM ICAP Commitment Amount
<i>RPM Commitment Compliance</i>			
Daily RPM Resource Commitments	6/1/DY-12/31/DY: 495 MW 1/1/DY-5/31/DY: 0 MW	6/1/DY-12/31/DY: 0 MW 1/1/DY-5/31/DY: 495 MW	Daily Cleared UCAP in BRA
Daily RPM Generation Resource Position	6/1/DY-12/31/DY: $(500 \text{ MW} - 0 \text{ MW} - 0 \text{ MW}) * (1 - 0.02) = 490 \text{ MW}$ 1/1/DY-5/31/DY: $(0 \text{ MW} - 0 \text{ MW} - 0 \text{ MW}) * (1 - 0.02) = 0 \text{ MW}$	6/1/DY-12/31/DY: $(0 \text{ MW} - 0 \text{ MW} - 0 \text{ MW}) * (1 - 0.02) = 0 \text{ MW}$ 1/1/DY-5/31/DY: $(500 \text{ MW} - 0 \text{ MW} - 0 \text{ MW}) * (1 - 0.02) = 490 \text{ MW}$	$(\text{Daily ICAP Owned} - \text{Daily FRR Capacity Plan Commitments} - \text{Daily Unoffered ICAP}) * (1 - \text{Effective EFORD})$
RPM Commitment Shortage	6/1/DY-12/31/DY: $490 \text{ MW} - 495 \text{ MW} = -5 \text{ MW}$ (shortage)	6/1/DY-12/31/DY: $0 \text{ MW} - 0 \text{ MW} = 0 \text{ MW}$	Daily RPM Generation Resource Position - Daily RPM Resource Commitments

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DATA	PARTY H	PARTY I	COMMENTS/FORMULA
	1/1/DY-5/31/DY: 0 MW – 0 MW = 0 MW	1/1/DY-5/31/DY: 490 MW- 495 MW = -5 MW (shortage)	
Daily Capacity Resource Deficiency Charge	6/1/DY-12/31/DY: (\$60 +\$20)/MW-day * 5 MW = \$400/day 1/1/DY-5/31/DY: (\$60 +\$20)/MW-day * 0 MW = \$0/day	6/1/DY-12/31/DY: (\$60+\$20)/MW-day * 0 MW = \$0/day 1/1/DY-5/31/DY: (\$60 +\$20)/MW-day * 5 MW = \$400/day	<ul style="list-style-type: none"> • Daily Deficiency Rate * RPM Commitment Shortage • Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-day.
<i>Summer/Winter Capacity Testing</i>			
ICAP Shortfall for Summer Testing Period	5 MW * (0 MW + 293.2 MW)/500 MW = 2.9 MW	5 MW * (0 MW + 206.8 MW)/500 MW = 2.1 MW	<ul style="list-style-type: none"> • Unit ICAP Shortfall for Summer Testing Period * (Party's Average Daily FRR ICAP Commitment Amount + Party's Average Daily RPM ICAP Commitment Amount)/(Total Unit ICAP Commitment Amount) • Applied June-November of DY
ICAP Shortfall for Winter Testing Period	5 MW * (0 MW + 293.2 MW)/500 MW = 2.9 MW	5 MW * (0 MW + 206.8 MW)/500 MW = 2.1 MW	<ul style="list-style-type: none"> • Unit ICAP Shortfall for Winter Testing Period * (Party's Average Daily FRR ICAP Commitment Amount + Party's Average Daily RPM ICAP Commitment Amount)/(Total Unit ICAP Commitment Amount) • Applied Dec-May of DY
Daily ICAP Shortfall	6/1/DY-5/31/DY: 2.9 MW	6/1/DY-5/31/DY: 2.1 MW	

Appendix F: Examples of Generation Resource Performance Assessments During DY

DATA	PARTY H	PARTY I	COMMENTS/FORMULA
Daily ICAP Shortfall for RPM Resource Commitments	6/1/DY-5/31/DY: 2.9 MW * (293.2 MW/293.2 MW) = 2.9 MW	6/1/DY-5/31/DY: 2.1 MW * (206.8 MW/206.8 MW) = 2.1 MW	Daily ICAP Shortfall * (Party's Average Daily RPM ICAP Commitment Amount/Party's Share of Total Unit ICAP Commitment Amount)
Generation Resource Rating Test Failure Charge for RPM Resource Commitments during DY	(\$60 + \$20)/MW-day * 2.9 MW * (1-0.02) = \$227.36/day	(\$60 + \$20)/MW-day * 2.1 MW * (1-0.02) = \$164.64/day	<ul style="list-style-type: none"> • Daily Deficiency Rate * Daily ICAP Shortfall * (1-Effective EFORD) • Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-day.
<i>PSM Compliance</i>			
PSM Compliance Shortfall	10 MW * (0 MW + 293.2 MW)/500 MW = 5.9 MW	10 MW * (0 MW + 206.8 MW)/500 MW = 4.1 MW	Unit PSM Compliance Shortfall * (Party's Average Daily FRR ICAP Commitment + Party's Average Daily RPM ICAP Commitment Amount)/Total Unit ICAP Commitment Amount
Daily PSM Compliance Shortfall	5.9 MW	4.1 MW	Assessed each day during peak season that the unit is on unapproved planned or maintenance outage.
Daily PSM Shortfall for RPM Resource Commitments	5.9 MW * (293.2 MW/293.2 MW) = 5.9 MW	4.1 MW * (206.8 MW/206.8 MW) = 4.1 MW	Daily PSM Shortfall * (Party's Average Daily RPM ICAP Commitment Amount/Party's Share of Total Unit ICAP Commitment Amount)
PSM Compliance Charge for RPM Resource Commitments	(\$60 + \$20)/MW-day * 5.9 MW * (1-0.02) = \$462.56/day	(\$60 + \$20)/MW-day * 4.1 MW * (1-0.02) = \$321.44/day	<ul style="list-style-type: none"> • Daily Deficiency Rate * Daily PSM Shortfall * (1-Effective EFORD) • Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-day.
<i>Peak-Hour Period</i>			

Appendix F: Examples of Generation Resource Performance Assessments During DY

DATA	PARTY H	PARTY I	COMMENTS/FORMULA
<i>Availability:</i>			
Peak Period Capacity Shortfall for RPM Resource Commitments	17.5 MW * (293.2 MW/500 MW) = 10.3 MW	17.5MW * (206.8 MW/500 MW) = 7.2 MW	Unit Peak Period Capacity Shortfall * Party's Daily Average RPM ICAP Commitment Amount/Total Unit ICAP Commitment Amount
Net Peak Period Capacity Shortfall for RPM Capacity Plan Commitments in LDA	5 MW	7.2 MW	<ul style="list-style-type: none"> • The sum of all Peak Period Capacity Shortfall for RPM Capacity Plan Commitments in an LDA in Party H's resource portfolio was 5 MW. Another unit or units in Party H's portfolio had excess or negative Peak Period Capacity Shortfall for RPM Resource Commitments totaling 5.3 MW. (10.3 MW - 5.3 MW = 5 MW) • Party I has no other units in their resource portfolio.
Peak-Hour Period Availability Charge for RPM Resource Commitments	\$50.00/MW-day * 5 MW = \$250.00/day	\$60.00/MW-day * 7.2 MW = \$432/day	<ul style="list-style-type: none"> • Daily Peak-Hour Period Availability Charge Rate * Net Peak Period Capacity Shortfall in LDA • Charge Rate = Party's Weighted Average Resource Clearing Price in an LDA

Appendix F: Examples of Generation Resource Performance Assessments During DY

Example #3: Multiple Parties Commit Unit to RPM & FRR Capacity Plan

Example Description:

- Party F owns 60 MW (ICAP) of Generator #7 and Party G owns 40 MW (ICAP) of Generator #7.
- Party F commits 10 MW (ICAP) to FRR Capacity Plan and 49 MW (UCAP) to RPM. Party F fails to meet their RPM Commitment Compliance.
- Party G commits 37.6 MW (UCAP) of Generator #7 to RPM. Party G meets RPM Commitment Compliance.
- Generator #7 fails the following Resource Performance Assessments during the DY:
 - Summer & Winter Capacity Testing
 - PSM Compliance
 - Peak-Hour Period Availability

UNIT PERFORMANCE DATA FOR GENERATOR #7

UNIT DATA		COMMENTS/FORMULA
<i>General Data:</i>		
Daily ICAP MW	100 MW	Summer Rating
Effective EFORd	.04	Effective EFORd during DY
Daily UCAP MW	96 MW	ICAP*(1-Effective EFORd)
<i>Commitment Data:</i>		
Daily RPM Resource Commitments	49 MW + 37.6 MW = 86.6 MW	• Sum of Parties Daily RPM Resource Commitments
Daily FRR Capacity Plan Commitments	10 MW + 0 MW = 10 MW	• Sum of Parties Daily FRR Capacity Plan Commitments
Unit Average Daily ICAP Commitment Amount	$[(86.6 \text{ MW} * 365 \text{ days}) / (1 - 0.04) + (10 \text{ MW} * 365 \text{ days})] / 365 \text{ days} = 100.2 \text{ MW}$	(Sum of Daily RPM Resource Commitments for DY / (1 - Effective EFORd) + Sum of Daily FRR Capacity Plan Commitments for DY) / 365 days
Total Unit ICAP Commitment Amount	100 MW	Lesser of (a) Unit Average Daily ICAP Commitment Amount or (b) Maximum Summer Net Dependable Rating during DY

Appendix F: Examples of Generation Resource Performance Assessments During DY

UNIT DATA		COMMENTS/FORMULA
Unit Average Daily FRR ICAP Commitment Amount	$(10 \text{ MW} * 365 \text{ days})/365 \text{ days} = 10 \text{ MW}$	Sum of Daily FRR Capacity Plan Commitments for DY/365 days
Unit Average Daily RPM ICAP Commitment Amount	$100 \text{ MW} - 10 \text{ MW} = 90 \text{ MW}$	Total Unit ICAP Commitment Amount – Unit Average Daily FRR ICAP Commitment Amount
<i>Summer/Winter Capacity Testing:</i>		
Highest ICAP Rating in Summer Test	85 MW	
ICAP Shortfall for Summer Testing Period	$100 \text{ MW} - 85 \text{ MW} = 15 \text{ MW}$	<ul style="list-style-type: none"> • Total Unit ICAP Commitment Amount – Highest ICAP Rating in Summer Test • Applied daily for months of June –November of DY.
Highest ICAP Rating in Winter Test	90 MW	
ICAP Shortfall for Winter Testing Period	$15 \text{ MW} = \text{Higher of (a) } 15 \text{ MW or (b) } 100 \text{ MW} - 90 \text{ MW} = 10 \text{ MW.}$	<ul style="list-style-type: none"> • Higher of (a) ICAP Shortfall for Summer Testing Period or (b) Total Unit ICAP Commitment Amount – Highest ICAP Rating in Winter Test. • Applied daily for months of December-May of DY.
<i>PSM Compliance:</i>		
Amount of Capacity Out-of-Service on Unapproved Plan or Maintenance Outage during Peak Season	20 MW	
PSM Compliance Shortfall	$100 \text{ MW} - (100 \text{ MW} - 20 \text{ MW}) = 20 \text{ MW}$	Total Unit ICAP Commitment Amount – (Summer Net Dependable Rating on peak season day – Amount of Capacity Out-of-Service on unapproved planned or maintenance outage on peak season day)
<i>Peak-Hour Period</i>		

Appendix F: Examples of Generation Resource Performance Assessments During DY

UNIT DATA		COMMENTS/FORMULA
<i>Availability:</i>		
EFORd-5	0.10	
Target UCAP (TCAP)	100 MW * (1-0.10) = 90 MW	Total Unit ICAP Commitment Amount*(1-EFORd-5)
EFORp	0.20	
Peak Period Capacity Available (PCAP)	100 MW * (1-0.20) = 80 MW	Total Unit ICAP Commitment Amount * (1-EFORp)
Peak-Hour Period Capacity Shortfall	90 MW – 80 MW = 10 MW	TCAP-PCAP

INDIVIDUAL PARTY DATA FOR GENERATOR #7

DATA	PARTY F	PARTY G	COMMENTS/FORMULA
Daily ICAP Owned	60 MW	40 MW	Party F sold 40 MWs of Gen#7 to Party G in US bilateral for entire DY.
Daily FRR Capacity Plan Commitments	10 MW	0 MW	Only Party F made commitment of Gen#7 to FRR Capacity Plan.
Daily Available ICAP (prior to BRA)	50 MW	40 MW	Daily ICAP Owned –Daily FRR Capacity Plan Comments
ICAP Offered in DY BRA	50 MW	40 MW	
Sell Offer EFORd	0.02	0.06	
Daily Unoffered ICAP	0 MW	0 MW	Daily Available ICAP-ICAP Offered
Daily Cleared UCAP in DY BRA	49 MW	37.6 MW	
Party's Weighted Resource Clearing Price for such resource	\$100/MW-day	\$100/MW-day	A Party's WARCP for a resource considers the resource clearing prices received and MWs cleared for such resource by the party across all RPM auctions for the DY.
Party's Weighted Resource Clearing Price in LDA	\$80/MW-day	\$100/MW-day	A Party's WARCP in LDA considers the resource clearing prices received and MWs cleared by all the

Appendix F: Examples of Generation Resource Performance Assessments During DY

DATA	PARTY F	PARTY G	COMMENTS/FORMULA
			Party's resources in an LDA across all RPM Auctions.
Weighted Average of Resource Clearing Prices across all RPM Auctions for LDA encompassing the zone of FRR Entity	\$90/MW-day	NA	The weighted average of resource clearing prices across all RPM Auctions for the LDA encompassing the zone of FRR Entity, weighted by quantities cleared in RPM Auctions.
Average Daily FRR ICAP Commitment Amount	$(10 \text{ MW} * 365 \text{ days}) / 365 \text{ days} = 10 \text{ MW}$	$(0 \text{ MW} * 365 \text{ days}) / 365 \text{ days} = 0 \text{ MW}$	Sum of Party's Daily FRR Capacity Plan Commitments/365 days
Average Daily RPM ICAP Commitment Amount	$(49 \text{ MW} * 365 \text{ days} / 86.6 \text{ MW} * 365 \text{ days}) * 90 \text{ MW} = 50.9 \text{ MW}$	$(37.6 \text{ MW} * 365 \text{ days} / 86.6 \text{ MW} * 365 \text{ days}) * 90 \text{ MW} = 39.1 \text{ MW}$	Sum of Party's Daily RPM Resource Commitments/Sum of Total Daily RPM Resource Commitments for unit * Unit Average Daily RPM ICAP Commitment Amount
Share of Total Unit ICAP Commitment Amount	$10 \text{ MW} + 50.9 \text{ MW} = 60.9 \text{ MW}$	$0 \text{ MW} + 39.1 \text{ MW} = 39.1 \text{ MW}$	Average Daily FRR ICAP Commitment Amount + Average Daily RPM ICAP Commitment Amount
<i>RPM Commitment Compliance</i>			
Daily RPM Resource Commitments	49 MW	37.6 MW	Daily Cleared UCAP in BRA
Daily RPM Generation Resource Position	$(60 \text{ MW} - 10 \text{ MW} - 0 \text{ MW}) * (1 - 0.04) = 48 \text{ MW}$	$(40 \text{ MW} - 0 \text{ MW} - 0 \text{ MW}) * (1 - 0.04) = 38.4 \text{ MW}$	(Daily ICAP Owned - Daily FRR Capacity Plan Commitments - Daily Unoffered ICAP) * (1 - Effective EFORD)
RPM Commitment Shortage	-1 MW (Shortage)	0.8 MW (Excess)	Daily RPM Generation Resource Position - Daily RPM Resource Commitments
Daily Capacity Resource Deficiency Charge	$(\$100 + \$20) / \text{MW-day} * 1 \text{ MW} = \$120/\text{day}$	Not Applicable	<ul style="list-style-type: none"> • Daily Deficiency Rate * RPM Commitment Shortage • Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-

Appendix F: Examples of Generation Resource Performance Assessments During DY

DATA	PARTY F	PARTY G	COMMENTS/FORMULA
			day.
Summer/Winter Capacity Testing			
ICAP Shortfall for Summer Testing Period	15 MW * (10 MW + 50.9 MW)/100 MW = 9.1 MW	15 MW * (0 MW + 39.1 MW)/100 MW = 5.9 MW	<ul style="list-style-type: none"> Unit ICAP Shortfall for Summer Testing Period * (Party's Average Daily FRR ICAP Commitment Amount + Party's Average Daily RPM ICAP Commitment Amount)/(Total Unit ICAP Commitment Amount) Applied June-November of DY
ICAP Shortfall for Winter Testing Period	15 MW * (10 MW + 50.9 MW)/100 MW = 9.1 MW	15 MW * (0 MW + 39.1 MW)/100 MW = 5.9 MW	<ul style="list-style-type: none"> Unit ICAP Shortfall for Winter Testing Period * (Party's Average Daily FRR ICAP Commitment Amount + Party's Average Daily RPM ICAP Commitment Amount)/(Total Unit ICAP Commitment Amount) Applied Dec-May of DY
Daily ICAP Shortfall for DY	9.1 MW	5.9 MW	
Daily ICAP Shortfall for FRR Capacity Plan Commitments	9.1 MW * (10 MW/60.9 MW) = 1.5 MW	5.9 MW * (0 MW/39.1 MW) = 0 MW	Daily ICAP Shortfall * (Party's Average Daily FRR ICAP Commitment Amount/Party's Share of Total Unit ICAP Commitment Amount)
Daily ICAP Shortfall for RPM Resource Commitments	9.1 MW * (50.9 MW/60.9 MW) = 7.6 MW	5.9 MW * (39.1 MW/39.1 MW) = 5.9 MW	Daily ICAP Shortfall * (Party's Average Daily RPM ICAP Commitment Amount/Party's Share of Total Unit ICAP Commitment Amount)
Generation Resource Rating Test Failure Charge for FRR Capacity Plan Commitments for DY	(1.2*\$90/MW-day) * 1.5 MW * (1-0.04) = \$155.52/day	Not Applicable	<ul style="list-style-type: none"> Daily Deficiency Rate * Daily ICAP Shortfall * 1-Effective EFORD Daily Deficiency Rate = 1.2 * weighted average resource clearing prices across all RPM auctions for the LDA encompassing the zone of FRR Entity.

Appendix F: Examples of Generation Resource Performance Assessments During DY

DATA	PARTY F	PARTY G	COMMENTS/FORMULA
Generation Resource Rating Test Failure Charge for RPM Resource Commitments for DY	$(\$100 + \$20)/\text{MW-day} * 7.6 \text{ MW} * (1 - 0.04) = \$875.52/\text{day}$	$(\$100 + \$20)/\text{MW-day} * 5.9 \text{ MW} * (1 - 0.04) = \$679.68/\text{day}$	<ul style="list-style-type: none"> Daily Deficiency Rate * Daily ICAP Shortfall * 1-Effective EFORD Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted Average RCP for such resource OR (b) \$20/MW-day.
PSM Compliance:			
PSM Compliance Shortfall	$20 \text{ MW} * (10 \text{ MW} + 50.9 \text{ MW})/100 \text{ MW} = 12.2 \text{ MW}$	$20 \text{ MW} * (0 \text{ MW} + 39.1 \text{ MW})/100 \text{ MW} = 7.8 \text{ MW}$	Unit PSM Compliance Shortfall * (Party's Average Daily FRR ICAP Commitment + Party's Average Daily RPM ICAP Commitment Amount)/Total Unit ICAP Commitment Amount
Daily PSM Compliance Shortfall	12.2 MW	7.8 MW	Assessed each day during peak season the unit is on unapproved planned or maintenance outage.
Daily PSM Shortfall for FRR Capacity Plan Commitments	$12.2 \text{ MW} * (10 \text{ MW}/60.9 \text{ MW}) = 2.0 \text{ MW}$	$7.8 \text{ MW} * (0 \text{ MW}/39.1 \text{ MW}) = 0 \text{ MW}$	Daily PSM Shortfall * (Party's Average Daily FRR ICAP Commitment Amount/Party's Share of Total Unit ICAP Commitment Amount)
Daily PSM Shortfall for RPM Resource Commitments	$12.2 \text{ MW} * (50.9 \text{ MW}/60.9 \text{ MW}) = 10.2 \text{ MW}$	$7.8 \text{ MW} * (39.1 \text{ MW}/39.1 \text{ MW}) = 7.8 \text{ MW}$	Daily PSM Shortfall * (Party's Average Daily RPM ICAP Commitment Amount/Party's Share of Total Unit ICAP Commitment Amount)
PSM Compliance Charge for FRR Capacity Plan Commitments	$(1.2 * \$90/\text{MW-day} * 2 \text{ MW} * (1 - 0.04)) = \$207.36/\text{day}$	Not Applicable	<ul style="list-style-type: none"> Daily Deficiency Rate * Daily PSM Shortfall * 1-Effective EFORD Daily Deficiency Rate = 1.2 * weighted average resource clearing prices across all RPM auctions for the LDA encompassing the zone of FRR Entity
PSM Compliance Charge for RPM Resource Commitments	$(\$100 + \$20)/\text{MW-day} * 10.2 \text{ MW} * (1 - 0.04) = \$1175.04/\text{day}$	$(\$100 + \$20)/\text{MW-day} * 7.8 \text{ MW} * (1 - 0.04) = \$898.56/\text{day}$	<ul style="list-style-type: none"> Daily Deficiency Rate * Daily PSM Shortfall * 1-Effective EFORD Daily Deficiency Rate = Party's WARCP for such resource + higher of (a) .2 * Party's Weighted

Appendix F: Examples of Generation Resource Performance Assessments During DY

DATA	PARTY F	PARTY G	COMMENTS/FORMULA
			Average RCP for such resource OR (b) \$20/MW-day.
<i>Peak-Hour Period Availability:</i>			
Peak Period Capacity Shortfall for FRR Capacity Plan Commitments	10 MW * (10 MW/100 MW) = 1 MW	10 MW * (0 MW/100 MW) = 0 MW	Unit Peak Period Capacity Shortfall * Party's Daily Average FRR ICAP Commitment Amount/Total Unit ICAP Commitment Amount
Net Peak Period Capacity Shortfall for FRR Capacity Plan Commitments in LDA	0.2 MW	0 MW	<ul style="list-style-type: none"> The sum of all Peak Period Capacity Shortfall for FRR Capacity Plan Commitments in an LDA in Party F's resource portfolio was 0.2 MW. Another unit or units in Party F's portfolio had excess or negative Peak Period Capacity Shortfall for FRR Capacity Plan Commitments totaling 0.8 MW. (1 MW – 0.8 MW = 0.2 MW) Party G has no other units in their resource portfolio.
Peak-Hour Period Availability Charge for FRR Capacity Plan Commitments	\$90/MW-day * 0.2 MW = \$18/day	Not Applicable	<ul style="list-style-type: none"> Daily Peak-Hour Period Availability Charge Rate * Net Peak Period Capacity Shortfall in LDA Charge Rate = weighted average of resource clearing prices across all RPM Auctions for the LDA encompassing the zone of the FRR Entity.
Peak Period Capacity Shortfall for RPM Resource Commitments	10 MW * (50.9 MW/100 MW) = 5.1 MW	10 MW * (39.1 MW/100 MW) = 3.9 MW	Unit Peak Period Capacity Shortfall * Party's Daily Average RPM ICAP Commitment Amount/Total Unit ICAP Commitment Amount
Net Peak Period Capacity Shortfall for RPM Capacity Plan Commitments in LDA	2 MW	3.9 MW	<ul style="list-style-type: none"> The sum of all Peak Period Capacity Shortfall for RPM Capacity Plan Commitments in an LDA in Party F's resource portfolio was 2 MW. Another unit or units in Party F's portfolio had excess or negative Peak Period Capacity Shortfall for RPM Resource

Appendix F: Examples of Generation Resource Performance Assessments During DY

DATA	PARTY F	PARTY G	COMMENTS/FORMULA
			Commitments in LDA totaling 3.1 MW. (5.1 MW - 3.1 MW = 2 MW) <ul style="list-style-type: none"> • Party G has no other units in their resource portfolio.
Peak-Hour Period Availability Charge for RPM Resource Commitments	\$80/MW-day * 2 MW = \$160.00/day	\$100.00/MW-day * 3.9 MW = \$390/day	<ul style="list-style-type: none"> • Daily Peak-Hour Period Availability Charge Rate * Net Peak Period Capacity Shortfall in LDA • Charge Rate = Party's Weighted Average Resource Clearing Price in an LDA