



# DR Resource Modelling Changes for 2020/2021 DY

Demand Response Subcommittee  
November 6, 2019

# 2020/2021 Capacity Performance Only

Requirement	(Today) Limited DR (15/16 – 17/18)	(Today) Extended Summer DR (15/16 – 17/18)	(Today) Annual DR (16/17 – 17/18)	(CP) Base Capacity DR (18/19 & 19/20 DY only)	(CP) Capacity Performance DR (16/17 DY & beyond)	(CP) Summer Period DR (20/21 and beyond)
Availability	Non-NERC holiday weekday, June – Sept	June – Oct & May	Any day during DY*	June - Sep	Any day during DY*	June – Oct & May
Maximum Number of Interruptions	10 interruptions	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Hours of Day Required to Respond (Hours in EPT)	12:00 PM – 8:00 PM	10:00 AM – 10:00 PM	June – Oct & May: 10 AM – 10 PM Nov. – April: 6 AM- 9 PM	10:00 AM – 10:00 PM	June – Oct. & May: 10 AM – 10 PM Nov. – April: 6 AM- 9 PM	10:00 AM – 10:00 PM
Maximum Duration of Interruption	6 Hours	10 Hours	June – Oct : 12 hours Nov – April: 15 hours	10 Hours	June – Oct : 12 hours Nov – April: 15 hours	12 Hours

\*unless on an approved maintenance outage during Oct – Apr.

- All registrations will be Capacity Performance with a single RPM Auction Commitment
  - If the CSP has Summer Only commitment (was paired with a Winter resource in an RPM Auction), the Summer RPM commitment will be added to the commitment for Capacity Performance
    - Example: CSP has 15 MW annual Capacity Performance and 5 MW Summer Only commitment

RPM Resource Commitment	MW
June thru October	20
November thru April	15
May	20

- Registration's Peak Load Contribution (PLC) and Winter Managed Load may be zero, therefore Summer and/or Winter ICAP may be zero
  - Zero PLC means Summer Nominated ICAP = 0
  - Zero Winter Managed Load means Winter Nominated ICAP = 0
- WPL no longer mandatory before marking registration "Completed" to accommodate Summer Only registrations
  - Only leave Winter Managed Load blank if you do not want a Winter Nominated ICAP

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Name \* aly LM 2020/2021

Reg ID 3287732

Effective Date \* 06/01/2020

Termination Date \* 05/30/2021

Status  Hold

Allow Mod

EDC DPL (Large) ZONE DPL Pricing Point DPL\_RESID\_AGG

Test Required  Completed

**Capacity**

Peak Load Contribution (kW)	2649.19	Winter Peak Load (kW)	600	Resource Type	Pre-Emergency
Measurement Method	Firm Service Level	Winter Managed Load (kW)		Product	Capacity Performance DR
Summer Managed Load (kW)		Winter Weather Adj. Factor		RPM DR Resource	Select One
Capacity Loss Factor	1.05669	Winter Nominated ICAP (kW)		Lead Time	Quick_30
Summer Nominated ICAP (kW)					

PLC may be zero, which means Summer Nominated ICAP will be zero

Winter Managed Load may be zero, which means Winter Nominated ICAP will be zero

- All registrations with same RPM Auction Resource will have all Summer Nominated ICAP and all Winter Nominated ICAP rolled up together and compared to the RPM commitment on the RPM Auction Resource (same as last year)
- If total Summer Nominated ICAP exceeds total Winter Nominated ICAP, it 's considered as Summer Only if there is a Summer Only commitment

RPM Resource Commitment	MW
June thru October	20
November thru April	15
May	20

CP commitment = 15  
 Summer Only commitment = 5

Registration	Summer ICAP (kW)	Winter ICAP (kW)
1	750	1000
2	5250	0
3	14000	14000
<b>Total</b>	<b>20000</b>	<b>15000</b>

Annual CP = lesser of 20000 and 15000 = 15000 = 15 MW  
 Summer Only = 20000 minus 15000 = 5000 = 5 MW

- Resources Linked to Registrations Report
  - Shows confirmed registrations linked to an RPM Auction Resource
  - Sum of Summer Nominated ICAP compared to RPM Resource Commitment on 6/1/2019
  - Annual Nominated ICAP (lesser of: sum of summer and sum of winter) compared to RPM Resource Commitment on 11/1/2019

Resources Linked To Registrations		DR Registration Orphan Report							
Resources Linked To Registrations Report - 2020/2021									
a) Negative MW means shortfall and will be assessed daily deficiency penalty. b) Excess means amount nominated is greater than RPM commitment. c) All penalties are in UCAP, Resource Names are RPM resources - go to Capacity Exchange to see specifics. d) Difference MW for CP product equals Committed MW (ICAP) minus Minimum of Total Summer ICAP (MW) and Total Winter ICAP (MW).									
CSP	Product	Resource Name	Zone	Resource ID	Committed MW (ICAP)	Reg ID	Customer Name	Summer ICAP (MW)	Winter ICAP (MW)
	Capacity Performance DR		AECO		49.56			0	0
							Total MW	0	0
							Difference MW	-49.56	