



# 2017/18 Load Management Report (Final)

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Demand Response Operations

DRS

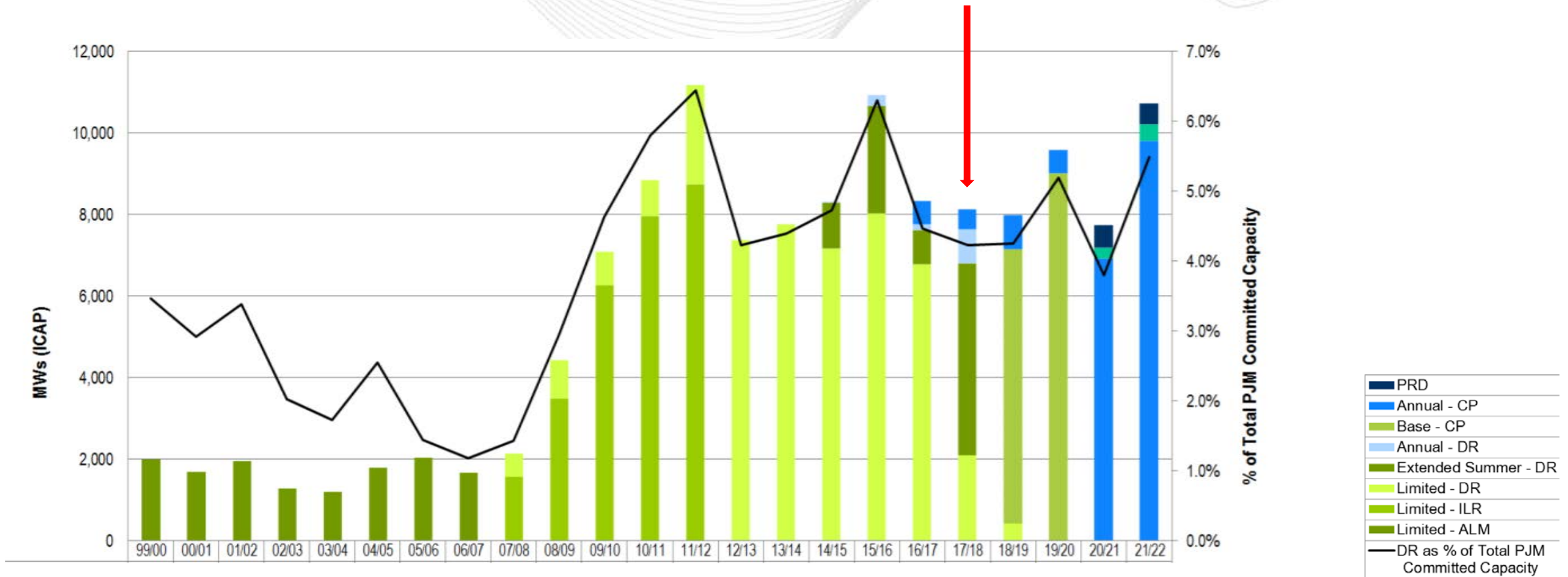
9/25/2018

- No Load Management events in 2017/18 DY
  - As a result, performance is demonstrated by testing
- Contains test data for all Product Types
  - Limited DR
  - Extended Summer DR
  - Annual DR
  - Capacity Performance DR
- Link to report:
  - <https://www.pjm.com/-/media/markets-ops/dsr/2017-2018-dsr-activity-report.ashx?la=en>

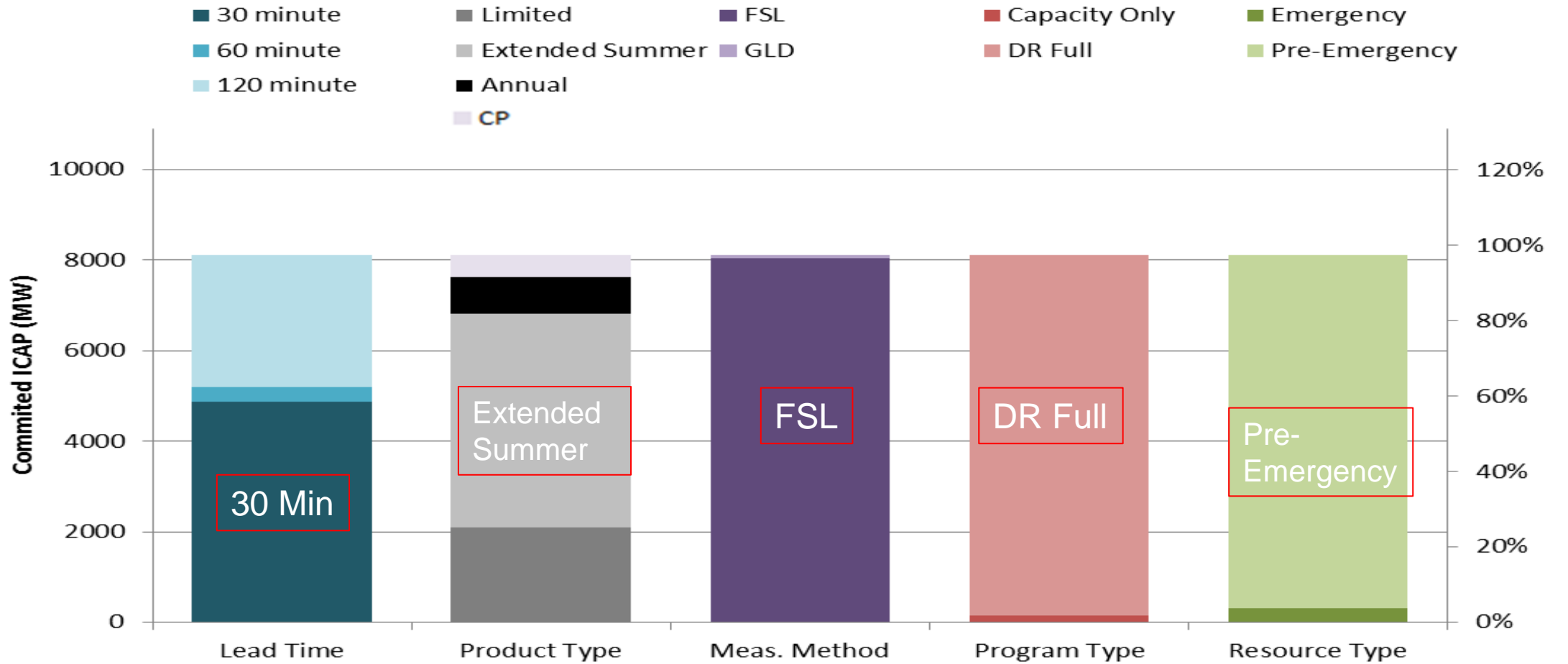
<b>Delivery year</b>	<b>Event performance</b>	<b>Test performance</b>
<b>2009/10</b>	No Events	118%
<b>2010/11</b>	100%	111%
<b>2011/12</b>	91%	107%
<b>2012/13</b>	104%	116%
<b>2013/14</b>	94%	129%
<b>2014/15</b>	No Events	144%
<b>2015/16</b>	No Events	134%
<b>2016/17</b>	No Events	153%
<b>2017/18</b>	No Events	163%



Only events with mandatory compliance are included.



\*Note future commitments may change based on replacement transactions, Incremental Auctions, etc.



Predominant type noted in each column

Product	Test commitment (MW)*	Reduction (MW)	Over/under performance (MW)	Performance	Re-test
Limited	2,107	3,321	1,214	157%	1.2%
Extended Summer	4,689	8,379	3,690	179%	1.2%
Annual	822	952	130	116%	0%
Capacity Performance	493	597	104	121%	0%
<b>Total</b>	<b>8,111</b>	<b>13,250</b>	<b>5,139</b>	<b>163%</b>	<b>1%</b>



# Zonal Test Performance, DY2017/18

Zone	Test commitment (MW)*	Reduction (MW)	Over/under performance (MW)	Performance	Re-test
AECO	103	171	67	165%	2.0%
AEP	1,380	1,626	246	118%	2.5%
APS	580	651	71	112%	0.0%
ATSI	768	987	219	128%	0.9%
BGE	583	2,315	1,731	397%	0.0%
COMED	1,269	1,599	330	126%	0.0%
DAY	154	198	44	129%	3.1%
DEOK	190	341	151	180%	1.8%
DOM	543	615	72	113%	1.5%
DPL	327	1,066	738	326%	3.7%
DUQ	112	145	33	130%	2.2%
EKPC	115	217	102	188%	0.0%
JCPL	95	125	30	131%	0.0%
METED	180	213	33	118%	0.0%
PECO	213	277	64	130%	2.3%
PENELEC	216	242	26	112%	0.0%
PEPCO	502	1,426	923	284%	0.1%
PPL	492	561	68	114%	0.5%
PSEG	285	471	186	165%	1.0%
RECO	2	4	2	211%	0.0%
Total	8,111	13,250	5,139	163%	1.0%

\* Test commitment = Commitment – Daily Deficiency



# Test Penalties and Deficiency Charges, DY2017/18

Product	Test Penalties	Shortfall (MW)	Average Weighted Penalty Rate (\$/MW-day)	Penalties as % of Total LM Credits (\$515M)
Limited	\$631,650	13.4	\$124	0.12%
Extended Summer	\$547,927	10.1	\$143	0.1%
Annual	\$855,943	15.7	\$144	0.17%
Capacity Performance	\$40,142	0.6	\$182	0.008%
<b>Total</b>	<b>\$2,075,662</b>	<b>39.8</b>	<b>\$138</b>	<b>0.4%</b>

Product	Average Weighted Deficiency Rate (\$/MW-day)	Total charges	Deficiency Charges as % of Total LM Credits (\$515M)
Annual	\$144	\$216	0.0001%
Capacity Performance	\$182	\$23,216	0.008%
Extended Summer	\$143	\$34,157	0.011%
Limited	\$124	\$18,665	0.006%
<b>Grand Total</b>	<b>\$161</b>	<b>\$76,254</b>	<b>0.025%</b>



# Questions?