

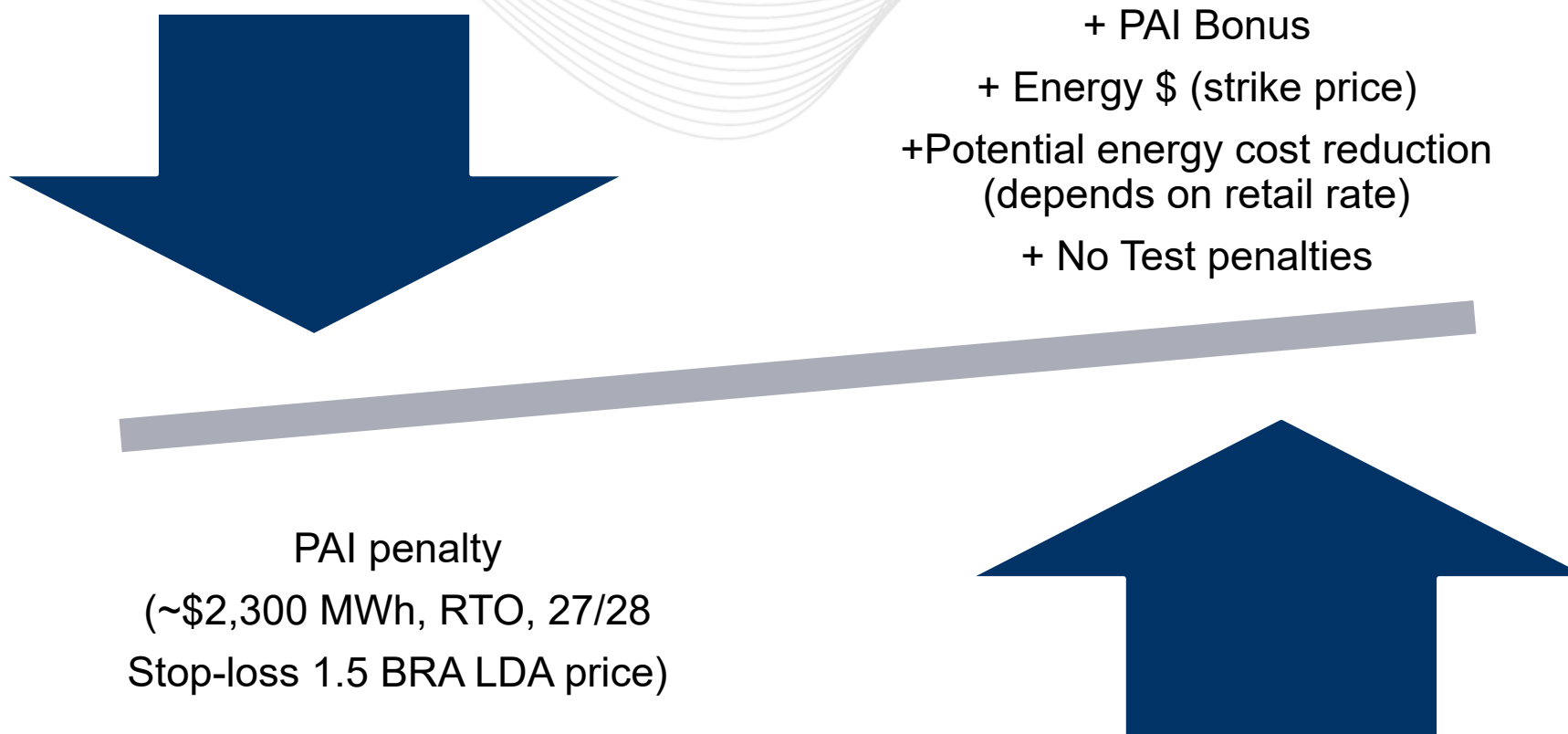
# Load Management and PRD performance proposed solution

MIC

January 7, 2026

- Customer choices – is it worth it to curtail? If yes, should it be through the wholesale market or self-directed peak saving (PLC)
  - PLC typically based on 5 summer CP days
  - Customer (or their consultant) must forecast peak days – potentially need to curtail ~10 summer days for 3 hours a day.
- Minimize the timing between the event and the incentive and/or penalty and associated billing.
- Performance compliance aggregation helps diversify risk across the dispatched customers

# PAI event (Registrations dispatched by PJM)



Conservative estimated incentive  
 $\$3,725 \text{ MWh} = \$2,300 \text{ (avoided penalty)} + \$1,425 \text{ (short lead strike price)}$

# Non-PAI event (Registrations dispatched by PJM)



- + Energy \$ (strike price)
- + Potential energy cost reduction (depends on retail rate)
- + Option to substitute event performance for test performance



Conservative estimated incentive  
\$1,425 MWh (short lead strike price) or ~62% less than a PAI event



# Total Capacity Revenue (\$/MWh) based on capacity prices and dispatch hours

	ELCC		92%										
		Dispatch Hours											
		0	5	10	20	30	40	50	60	70	80	90	100
Price ( \$/ MW-day UCAP)	\$50	\$16,790	\$3,358	\$1,679	\$840	\$560	\$420	\$336	\$280	\$240	\$210	\$187	\$168
	\$100	\$33,580	\$6,716	\$3,358	\$1,679	\$1,119	\$840	\$672	\$560	\$480	\$420	\$373	\$336
	\$150	\$50,370	\$10,074	\$5,037	\$2,519	\$1,679	\$1,259	\$1,007	\$840	\$720	\$630	\$560	\$504
	\$200	\$67,160	\$13,432	\$6,716	\$3,358	\$2,239	\$1,679	\$1,343	\$1,119	\$959	\$840	\$746	\$672
	\$250	\$83,950	\$16,790	\$8,395	\$4,198	\$2,798	\$2,099	\$1,679	\$1,399	\$1,199	\$1,049	\$933	\$840
	\$300	\$100,740	\$20,148	\$10,074	\$5,037	\$3,358	\$2,519	\$2,015	\$1,679	\$1,439	\$1,259	\$1,119	\$1,007
	\$350	\$117,530	\$23,506	\$11,753	\$5,877	\$3,918	\$2,938	\$2,351	\$1,959	\$1,679	\$1,469	\$1,306	\$1,175
	\$400	\$134,320	\$26,864	\$13,432	\$6,716	\$4,477	\$3,358	\$2,686	\$2,239	\$1,919	\$1,679	\$1,492	\$1,343



# Estimated Customer Capacity Revenue (\$/MWh) based on capacity prices and dispatch hours to reduce capacity cost - low case

Customer share of savings		50%											
		Dispatch Hours											
		0	5	10	20	30	40	50	60	70	80	90	100
Price ( \$/ MW-day UCAP)	\$50	\$8,395	\$1,679	\$840	\$420	\$280	\$210	\$168	\$140	\$120	\$105	\$93	\$84
	\$100	\$16,790	\$3,358	\$1,679	\$840	\$560	\$420	\$336	\$280	\$240	\$210	\$187	\$168
	\$150	\$25,185	\$5,037	\$2,519	\$1,259	\$840	\$630	\$504	\$420	\$360	\$315	\$280	\$252
	\$200	\$33,580	\$6,716	\$3,358	\$1,679	\$1,119	\$840	\$672	\$560	\$480	\$420	\$373	\$336
	\$250	\$41,975	\$8,395	\$4,198	\$2,099	\$1,399	\$1,049	\$840	\$700	\$600	\$525	\$466	\$420
	\$300	\$50,370	\$10,074	\$5,037	\$2,519	\$1,679	\$1,259	\$1,007	\$840	\$720	\$630	\$560	\$504
	\$350	\$58,765	\$11,753	\$5,877	\$2,938	\$1,959	\$1,469	\$1,175	\$979	\$840	\$735	\$653	\$588
	\$400	\$67,160	\$13,432	\$6,716	\$3,358	\$2,239	\$1,679	\$1,343	\$1,119	\$959	\$840	\$746	\$672

In the low case, a customer may reduce 50% of their capacity cost which equates to \$1,399 MWh if the Capacity Price is \$250 MW-day and they successfully reduce load for 30 hours

# Estimated Customer Capacity Revenue (\$/MWh) based on capacity prices and dispatch hours to reduce capacity cost - high case

Customer share of savings		90%											
		Dispatch Hours											
		0	5	10	20	30	40	50	60	70	80	90	100
Price ( \$/ MW-day UCAP)	\$50	\$15,111	\$3,022	\$1,511	\$756	\$504	\$378	\$302	\$252	\$216	\$189	\$168	\$151
	\$100	\$30,222	\$6,044	\$3,022	\$1,511	\$1,007	\$756	\$604	\$504	\$432	\$378	\$336	\$302
	\$150	\$45,333	\$9,067	\$4,533	\$2,267	\$1,511	\$1,133	\$907	\$756	\$648	\$567	\$504	\$453
	\$200	\$60,444	\$12,089	\$6,044	\$3,022	\$2,015	\$1,511	\$1,209	\$1,007	\$863	\$756	\$672	\$604
	\$250	\$75,555	\$15,111	\$7,556	\$3,778	\$2,519	\$1,889	\$1,511	\$1,259	\$1,079	\$944	\$840	\$756
	\$300	\$90,666	\$18,133	\$9,067	\$4,533	\$3,022	\$2,267	\$1,813	\$1,511	\$1,295	\$1,133	\$1,007	\$907
	\$350	\$105,777	\$21,155	\$10,578	\$5,289	\$3,526	\$2,644	\$2,116	\$1,763	\$1,511	\$1,322	\$1,175	\$1,058
	\$400	\$120,888	\$24,178	\$12,089	\$6,044	\$4,030	\$3,022	\$2,418	\$2,015	\$1,727	\$1,511	\$1,343	\$1,209

In the high case, a customer may reduce 90% of their capacity cost which equates to \$2,519 MWh if the Capacity Price is \$250 MW-day and they successfully reduce load for 30 hours

- All Load Mgt/PRD events are subject to a penalty and not required to test when dispatched. Penalty Rate and penalty \$ allocation different for non-PAI event.
  - Non-PAI event penalty rate =  $50\% * \text{PAI penalty rate}$  (~\$1,150 MWh based on 27/28 RTO)
  - Non-PAI and PAI events subject to same aggregation rules for compliance
  - PAI + Non-PAI penalty subject to existing PAI Stop Loss rules
  - Penalty \$ collected allocated on a prorata basis to load based on existing test penalty allocation process.

Make new rules effective for the 28/29 DY



# Proposed non-PAI event changes (Registrations dispatched by PJM)



- + PAI Bonus
- + Energy \$ (strike price)
- + Potential energy cost reduction (depends on retail rate)
- + No Test penalties

Non-PAI penalty  
(~\$1,150 MWh, RTO, 27/28  
Stop-loss 1.5 BRA LDA price for  
PAI + Non-PAI events)



Conservative estimated incentive  
 $\$2,575 \text{ MWh} = \$1,150 \text{ (avoided penalty)} + \$1,425 \text{ (short lead strike price)}$

Chair:

Jason Shoemaker,

[Jason.Shoemaker@pjm.com](mailto:Jason.Shoemaker@pjm.com)

Secretary:

Stefan Starkov, [Stefan.Starkov@pjm.com](mailto:Stefan.Starkov@pjm.com)

SME:

Pete Langbein, [Peter.Langbein@pjm.com](mailto:Peter.Langbein@pjm.com)

**Load Management & Price Responsive Demand  
Event Performance**

A green speech bubble containing a large black question mark, positioned above a blue speech bubble containing three horizontal lines, representing a question or inquiry.

?

**Member Hotline**

(610) 666-8980

(866) 400-8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)

**PROTECT THE  
POWER GRID  
THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
(610) 666-2244 / [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)

