

OFFICIAL EXHIBITS

PUBLIC VERSION

Indianapolis Power & Light Company d/b/a AES Indiana
Cause No. 45744
AES Indiana 1520 Questionnaire Response
Page 1 of 3

IC 8-1-8.5-13(i) Reporting Form - Planning Resource Planning Year 2022 to 2023 Indiana Utility Regulatory Commission

Add rows below as necessary. For resources located outside of Zone 6, please provide a description of the deliverability arrangements.
For demand response resources, please provide a description of each program.

Owned Resource IC 8-1-8.5-13(i)(1) definition	ICAP (MW) Nameplate capacity	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	Winter UCAP (MW) IC 8-1-8.5-13(g) definition	Location: RTO interconnection zone	Fuel Source	Additional Comments
Petersburg Unit 2	410	362.4	362.4	MISO Zone 6	Coal	
Petersburg Unit 3	518	487.1	487.1	MISO Zone 6	Coal	
Petersburg Unit 4	536	513	513	MISO Zone 6	Coal	
Eagle Valley CCGT	671	591.5	591.5	MISO Zone 6	Natural Gas	
Harding Steet Unit 5	100	96.8	96.8	MISO Zone 6	Natural Gas	
Harding Steet Unit 6	99	98.2	98.2	MISO Zone 6	Natural Gas	
Harding Steet Unit 7	415	403.6	403.6	MISO Zone 6	Natural Gas	
Harding Street GT4	74	63.4	63.4	MISO Zone 6	Natural Gas	
Harding Street GT5	74	67.5	67.5	MISO Zone 6	Natural Gas	
Harding Street GT6	154	143.2	143.2	MISO Zone 6	Natural Gas	
Harding Street GT1 & GT 2	38	33.6	33.6	MISO Zone 6	Oil	
Georgetown GT1	79	66.3	66.3	MISO Zone 6	Natural Gas	
Georgetown GT4	79	74.1	74.1	MISO Zone 6	Natural Gas	

Contracted Resource IC 8-1-8.5-13(i)(2) definition	ICAP (MW) Nameplate capacity	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	Winter UCAP (MW) IC 8-1-8.5-13(g) definition	Location: RTO interconnection zone	Fuel Source	Additional Comments
Hoosier Wind Park	100	6.3	6.3	MISO Zone 6	Wind	
Lakefield Wind	200	0	0	MISO Zone 3	Wind	Lakefield capacity does not have firm transmission so it does not receive Zonal Resource Credits (ZRCs)
Rate REP	96	44	1.9	MISO Zone 6	Wind/Solar	Rate REP is an adjustment to load

Demand Response Resource IC 8-1-8.5-13(i)(3) definition	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	Winter UCAP (MW) IC 8-1-8.5-13(g) definition	Additional Comments
Coolcents ACLM	29.3	0	Air Conditioning Load Management
Conservation Voltage Reduction	12.2	12.2	Voltage adjustment to reduce load
Rider 17	0.6	0.6	Load Curtailment
Rider 14	9.8	9.8	Load Curtailment

IURC
PETITIONER'S - AES
Indiana
EXHIBIT NO. 8-3-22
DATE 8-3-22
REPORTER AT

RTO established Planning Reserve Margin requirement (see IC 8-1-8.5-13 (l)(4))	Summer Demand 2682 MWx(1+ % PRM 8.7) = 2915.4MW
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Please describe any other federal reliability requirement:	
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Reliability Adequacy Metrics [defined in IC 8-1-8.5-13(e)]	
Summer RA Metric IC 8-1-8.5-13(e)(1)	Winter RA Metric IC 8-1-8.5-13(e)(2)
Summer UCAP(3058.9)/PRM Requirement(2915.4) = 105%	Winter UCAP(3031.5)/PRM Requirement(2758.8) = 110%

*MISO does not calculate a Winter UCAP at this time. Annual UCAP values based on Summer are shown for Winter.

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IC 8-1-8.5-13(i) Reporting Form - Planning Resource Planning Year 2023 to 2024
Indiana Utility Regulatory Commission

Add rows below as necessary. For resources located outside of Zone 6, please provide a description of the deliverability arrangements.
For demand response resources, please provide a description of each program.

Owned Resource IC 8-1-8.5-13(i)(1) definition	ICAP (MW) Nameplate capacity	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	Winter UCAP (MW) IC 8-1-8.5-13(g) definition	Location: RTO interconnection zone	Fuel Source	Additional Comments
Petersburg Unit 2	410	0	0	MISO Zone 6	Coal	
Petersburg Unit 3	518			MISO Zone 6	Coal	
Petersburg Unit 4	536			MISO Zone 6	Coal	
Eagle Valley CCGT	671			MISO Zone 6	Natural Gas	
Harding Steet Unit 5	100			MISO Zone 6	Natural Gas	
Harding Steet Unit 6	99			MISO Zone 6	Natural Gas	
Harding Steet Unit 7	415			MISO Zone 6	Natural Gas	
Harding Street GT4	74			MISO Zone 6	Natural Gas	
Harding Street GT5	74			MISO Zone 6	Natural Gas	
Harding Street GT6	154			MISO Zone 6	Natural Gas	
Harding Street GT1& GT 2	38			MISO Zone 6	Oil	
Georgetown GT1	79			MISO Zone 6	Natural Gas	
Georgetown GT4	79			MISO Zone 6	Natural Gas	

Contracted Resource IC 8-1-8.5-13(i)(2) definition	ICAP (MW) Nameplate capacity	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	Winter UCAP (MW) IC 8-1-8.5-13(g) definition	Location: RTO interconnection zone	Fuel Source	Additional Comments
Hoosier Wind Park	100	6.8	6.8	MISO Zone 6	Wind	
Lakefield Wind	200	0	0	MISO Zone 3	Wind	Lakefield capacity does not have firm transmission so it does not receive Zonal Resource Credits (ZRCs)
Rate REP	96	44	1.9	MISO Zone 6	Wind/Solar	Rate REP is an adjustment to load
Hardy Hills	195			MISO Zone 6	Solar	
Completed Capacity Purchase 1	25			MISO Zone 4	NA	
Completed Capacity Purchase 2	100			MISO Zone 6	NA	
Planned Capacity Purchase	75			MISO Zone 6	NA	

Demand Response Resource IC 8-1-8.5-13(i)(3) definition	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	Winter UCAP (MW) IC 8-1-8.5-13(g) definition	Additional Comments
Coolcents ACLM			Air Conditioning Load Management
Conservation Voltage Reduction			Voltage adjustment to reduce load
Rider 17			Load Curtailment
Rider 14			Load Curtailment

RTO established Planning Reserve Margin requirement (see IC 8-1-8.5-13 (i)(4))	
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Please describe any other federal reliability requirement:	
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Reliability Adequacy Metrics [defined in IC 8-1-8.5-13(e)]	
Summer RA Metric IC 8-1-8.5-13(e)(1)	Winter RA Metric IC 8-1-8.5-13(e)(2)

*MISO does not calculate a Winter UCAP at this time. Annual UCAP values based on Summer are shown for Winter.
*Planning Reserve Margin from 2022-2023 MISO LOLE Report

PUBLIC VERSION

IC 8-1-8.5-13(i) Reporting Form - Planning Resource Planning Year 2024 to 2025
Indiana Utility Regulatory Commission

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Petersburg Unit 2	410	0	0	MISO Zone 6	Coal	
Petersburg Unit 3	518			MISO Zone 6	Coal	
Petersburg Unit 4	536			MISO Zone 6	Coal	
Eagle Valley CCGT	671			MISO Zone 6	Natural Gas	
Harding Steet Unit 5	100			MISO Zone 6	Natural Gas	
Harding Steet Unit 6	99			MISO Zone 6	Natural Gas	
Harding Steet Unit 7	415			MISO Zone 6	Natural Gas	
Harding Street GT4	74			MISO Zone 6	Natural Gas	
Harding Street GT5	74			MISO Zone 6	Natural Gas	
Harding Street GT6	154			MISO Zone 6	Natural Gas	
Harding Street GT1 & GT 2	38			MISO Zone 6	Oil	
Georgetown GT1	79			MISO Zone 6	Natural Gas	
Georgetown GT4	79			MISO Zone 6	Natural Gas	

Contracted Resource IC 8-1-8.5-13(i)(2) definition	ICAP (MW) Nameplate capacity	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	Winter UCAP (MW) IC 8-1-8.5-13(g) definition	Location: RTO interconnection zone	Fuel Source	Additional Comments
Hoosier Wind Park	100	6.8	6.8	MISO Zone 6	Wind	
Lakefield Wind	200	0	0	MISO Zone 3	Wind	Lakefield capacity does not have firm transmission so it does not receive Zonal Resource Credits (ZRCs)
Rate REP	96	44	1.9	MISO Zone 6	Wind/Solar	Rate REP is an adjustment to load
Hardy Hills	195			MISO Zone 6	Solar	
Petersburg Energy Center	300			MISO Zone 6	Solar/Battery	
Planned Capacity Purchase	165			MISO Zone 6	NA	

Demand Response Resource IC 8-1-8.5-13(i)(3) definition	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	Winter UCAP (MW) IC 8-1-8.5-13(g) definition	Additional Comments
Coolcents ACLM			Air Conditioning Load Management
Conservation Voltage Reduction			Voltage adjustment to reduce load
Rider 17			Load Curtailment
Rider 14			Load Curtailment

RTO established Planning Reserve Margin requirement
(see IC 8-1-8.5-13 (i)(4))

Please describe any other federal reliability requirement:

Reliability Adequacy Metrics [defined in IC 8-1-8.5-13(e)]	
Summer RA Metric IC 8-1-8.5-13(e)(1)	Winter RA Metric IC 8-1-8.5-13(e)(2)

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*Planning Reserve Margin from 2022-2023 MISO LOLE Report

Petersburg Energy Center
Approved in IURC Cause No. 45591
Status Report | July 6, 2022

Petersburg Energy Center is a 250 MW AC, 335 MW DC solar photovoltaic electric generation facility coupled with a 180 MWh DC battery energy storage system (60 MW/3 hour discharge power capacity) on an approximately 1,740 acre solar panel farm located in the Pike County, Indiana.

A Membership Interest Purchase and Project Development Agreement ("MIPA") was entered into effective as of July 9, 2021, by and between an AES Indiana subsidiary, AES Indiana Devco Holdings 2, LLC, and Petersburg Energy Center LLC, a special purpose entity owned and operated by NextEra. Concurrent with the signing of the MIPA, ProjectCo entered into an Engineering, Procurement and Construction Agreement (EPC) with NextEra Energy Engineering and Construction LLC for overall Project Construction management of the project work, including the acquisition of all contractor permits.

During the period November 1, 2021 through June 30, 2022, AES Indiana Devco Holdings 2, LLC (Purchaser) and Petersburg Energy Center LLC (Seller) have been working on satisfying the conditions precedent for closing, [REDACTED]

[REDACTED]

[REDACTED]

PUBLIC VERSION

AES Indiana HEA 1520 Utility Reported Data Summary

Q1: Do you agree or disagree with the summary included below?

A1: Yes, AES Indiana agrees with the summary, although there are some minor differences in our calculations as explained below in A2.

Q2: If you disagree, please explain any corrections.

A2: AES Indiana's calculations reflect a rounding difference of [REDACTED] MW in PY [REDACTED] for a Resource Balance of [REDACTED] MW. Additionally, AES Indiana's estimated Demand for PY [REDACTED] is [REDACTED] MW, rather than [REDACTED] MW, which results in a Resource Balance of [REDACTED] MW for PY [REDACTED].

Q3: What are the action plans you expect to implement to address the resources not yet at a commitment-level certainty (in bold) below?

A3: AES Indiana intends to continue its current practice to purchase capacity in the bilateral market as appropriate [REDACTED]

[REDACTED] For further details regarding Hardy Hills (not Harding Hills, as listed in the draft Composite Summer Tables) see IURC Cause No. 45493 S1, Confidential Semi-Annual Progress Report, June 2022. The GIA for Hardy Hills [REDACTED]. For further details regarding the current status of the Petersburg Energy Center, please find the attached Confidential Status Report. Additionally, a Confidential Semi-Annual Progress Report will be filed in September 2022 under Cause No. 45591.

Q4: Are there any other data or details to explain the certainty and risk of any actions identified as being needed in advance of PY 23/24 and PY 24/25?

A4: [REDACTED]
[REDACTED] There is also uncertainty for some participants created by the Department of Commerce Anti-Dumping/Countervailing Duties (AD/CVD) investigation regarding tariffs on solar panels. In June, the Biden administration issued an Executive Order that waived the solar tariffs for 24 months. For further details regarding Hardy Hills, see IURC Cause No. 45493 S1, Confidential Semi-Annual Progress Report, June 2022. For further details regarding Petersburg Energy Center, attached is a Confidential Status Report. A Confidential Semi-Annual Progress Report will be filed in September 2022 under Cause No. 45591.