FILED July 25, 2022 INDIANA UTILITY REGULATORY COMMISSION

STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

VERIFIED PETITION OF DUKE ENERGY INDIANA, LLC, INDIANA MICHIGAN POWER COMPANY, INDIANAPOLIS POWER & LIGHT COMPANY D/B/A AES INDIANA, NORTHERN INDIANA PUBLIC SERVICE COMPANY, LLC, SOUTHERN INDIANA GAS & ELECTRIC COMPANY D/B/A CENTERPOINT ENERGY INDIANA SOUTH, FOR EMERGENCY AND EXPEDITED DETERMINATIONS THAT CERTAIN **CAUSE NO. 45744** INFORMATION CONTAINED IN REPORTS SUBMITTED TO THE COMMISSION PURSUANT TO IND. CODE § 8-1-8.5-13 IS CONFIDENTIAL AND EXEMPT FROM DISCLOSURE PURSUANT TO 170 IAC 1-1.1-4, IND. CODE § 8-1-8.5-13, IND. CODE § 8-1-2-29, IND. CODE § 5-14-3-4, AND IND. CODE § 8-1-2-113

INDIANA MICHIGAN POWER COMPANY'S SUBMISSION OF REDACTED 1520 RESPONSES

Indiana Michigan Power Company ("I&M", "Company", or "Petitioner"), by counsel,

in accordance with the July 13, 2022 Docket Entry in this Cause, respectfully submits the

attached public version of its HEA 1520 Responses.

Respectfully submitted,

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ATTORNEY FOR PETITIONER INDIANA MICHIGAN POWER COMPANY

CERTIFICATE OF SERVICE

The undersigned certifies that a copy of the foregoing was served this 25th day

of July, 2022, via email transmission to:

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ATTORNEY FOR PETITIONER INDIANA MICHIGAN POWER COMPANY

DMS 23207346v1

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

INDIANA MICHIGAN POWER COMPANY

Note: Final except for DR, which is to be finalized by PJM by June 1, 2022

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
				DU LDEO		
BERRIEN SPRINGS 1-12	3.4			PJM RTO	Hydro	
BUCHANAN 1-10	1.9			PJM RTO	Hydro	
ST. JOSEPH SOLAR	20.0			PJM RTO	Solar	
CONSTANTINE 1-4	0.4			PJM RTO	Hydro	
COOK NUCLEAR 1	1014.0			PJM RTO	Nuclear	
COOK NUCLEAR 2	1167.0			PJM RTO	Nuclear	
DEER CREEK SOLAR	2.5			PJM RTO	Solar	
ELKHART 1-3	1.8			PJM RTO	Hydro	
MOTTVILLE 1-4	0.7			PJM RTO	Hydro	
OLIVE WEST SOLAR	5.0			PJM RTO	Solar	
ROCKPORT 1	1119.9			PJM RTO	Coal	
ROCKPORT 2	1105.0			PJM RTO	Coal	
TWIN BRANCH 1-8	2.8			PJM RTO	Hydro	
TWIN BRANCH SOLAR	2.6	-		PJM RTO	Solar	
WATERVLIET SOLAR	4.6			PJM RTO	Solar	
			1			
		ł	1		1	ł
					1	
					1	
					+	

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
OVEC	166.0			PJM RTO	Coal	
FOWLER RIDGE WF	100.0			PJM RTO	Wind	
FOWLER RIDGE 2 WF	50.0			PJM RTO	Wind	
HEADWATERS WF	200.0			PJM RTO	Wind	
WILDCAT 1B WF	100.0			PJM RTO	Wind	60% MI resource
IMPA	53.4			PJM RTO	Various	Wholesale Customer Cap.
				РЈМ МААС	Gas	MI Self-Supply Capacity (MI specific resource)
					ł	-

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
PJM DEMAND RESPONSE RES.			

RTO established Planning Reserve Margin requirement (see IC 8-1-8.5-13 (i)(4)		*Note, this value reflects the final 22/23 I&M load obligation
Please describe any other federal reliability requirement:		
Reliability Adequacy Metrics [de] Summer RA Metric IC 8-1-8.5-13(e)(1)	ined in IC 8-1-8.5-13(e)] Winter RA Metric IC 8-1-8.5-13(e)(2)	
	Winter UCAP/PRM Requirement = N/A - See Post 12/07/22 Tab	

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

INDIANA MICHIGAN POWER COMPANY

Note: Preliminay estimate, expected to be finalized PJM by June 1, 2022.

Owned Resource I 8-1-8.5-13(i)(1) definition	C 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
BERRIEN SPRINGS 1-12	3			PJM RTO	Hydro	
BUCHANAN 1-10	1			PJM RTO	Hydro	
ST. JOSEPH SOLAR	20			PJM RTO	Solar	
CONSTANTINE 1-4	0			PJM RTO	Hydro	
COOK NUCLEAR 1	1014			PJM RTO	Nuclear	
COOK NUCLEAR 2	1167			PJM RTO	Nuclear	
DEER CREEK SOLAR	2	5		PJM RTO	Solar	
ELKHART 1-3	1			PJM RTO	Hydro	
MOTTVILLE 1-4	0	7		PJM RTO	Hydro	
OLIVE WEST SOLAR	5	0		PJM RTO	Solar	
ROCKPORT 1	1317	5		PJM RTO	Coal	
ROCKPORT 2	341	1		PJM RTO	Coal	Estimate based on CN 45546
TWIN BRANCH 1-8	3	0		PJM RTO	Hydro	
TWIN BRANCH SOLAR	2	6		PJM RTO	Solar	
WATERVLIET SOLAR	4	6		PJM RTO	Solar	
		1	1	1	1	1
		1	1	1	1	1
					1	
					1	
					1	
					-	
		1	+			

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
OVEC	166.0			PJM RTO	Coal	
FOWLER RIDGE WF	100.0			PJM RTO	Wind	
FOWLER RIDGE 2 WF	50.0			PJM RTO	Wind	
HEADWATERS WF	200.0			PJM RTO	Wind	
WILDCAT 1B WF	100.0			PJM RTO	Wind	
IMPA	53.4			PJM RTO	Various	Wholesale Customer Cap.
				РЈМ МААС	Gas	MI Self-Supply Capacity (MI specific resource)

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
PJM DEMAND RESPONSE RES.			

RTO established Planning	Summer Demand 3,766.3	*Note, this value reflects
Reserve Margin requirement	MWx(1+ % PRM 9.06) = 4,107.5	the final 22/23 I&M load
(see IC 8-1-8.5-13 (i)(4)	MW	obligation
Please describe any other		
federal reliability requirement:		
Reliability Adequacy Metrics [det	fined in IC 8-1-8.5-13(e)]	1
Reliability Adequacy Metrics [de] Summer RA Metric	fined in IC 8-1-8.5-13(e)] Winter RA Metric IC]
Summer RA Metric	Winter RA Metric IC	
Summer RA Metric IC 8-1-8.5-13(e)(1)	Winter RA Metric IC 8-1-8.5-13(e)(2) IC	
Summer RA Metric IC 8-1-8.5-13(e)(1) Summer UCAP/PRM Requirement	Winter RA Metric IC 8-1-8.5-13(e)(2) IC	
Summer RA Metric IC 8-1-8.5-13(e)(1)	Winter RA Metric IC 8-1-8.5-13(e)(2) IC	

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

INDIANA MICHIGAN POWER COMPANY

Note: Preliminay estimate, expected to be finalized PJM by June 1, 2023.

Owned ResourceIC8-1-8.5-13(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
BERRIEN SPRINGS 1-12	6.2			PJM RTO	Hydro	
BUCHANAN 1-10	2.5			PJM RTO	Hydro	
ST. JOSEPH SOLAR	20.0			PJM RTO	Solar	
CONSTANTINE 1-4	1.2			PJM RTO	Hydro	
COOK NUCLEAR 1	1014.0			PJM RTO	Nuclear	
COOK NUCLEAR 2	1167.0			PJM RTO	Nuclear	
DEER CREEK SOLAR	2.5			PJM RTO	Solar	
ELKHART 1-3	3.0			PJM RTO	Hydro	
MOTTVILLE 1-4	1.5			PJM RTO	Hydro	
OLIVE WEST SOLAR	5.0			PJM RTO	Solar	
ROCKPORT 1	1317.5			PJM RTO	Coal	
ROCKPORT 2	173.1			PJM RTO	Coal	Estimate based on CN 45546
TWIN BRANCH 1-8	4.3			PJM RTO	Hydro	
TWIN BRANCH SOLAR	2.6			PJM RTO	Solar	
WATERVLIET SOLAR	4.6			PJM RTO	Solar	
	+		1		1	+
	+		1		1	+
	+		1		1	1
	+		+			+

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	Location: RTO interconnection zone	Fuel Source	Additional Comments
OVEC	166.0		PJM RTO	Coal	
FOWLER RIDGE WF	100.0		PJM RTO	Wind	
FOWLER RIDGE 2 WF	50.0		PJM RTO	Wind	
HEADWATERS WF	200.0		PJM RTO	Wind	
WILDCAT 1B WF	100.0		PJM RTO	Wind	
IMPA	44.1		PJM RTO	Various	Wholesale Customer Cap.
			PJM MAAC	Gas	MI Self-Supply Capacity (MI specific resource)

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
PJM DEMAND RESPONSE RES.			

 IC	
C 8-1-8.5-13(e)] RA Metric 13(e)(2)	RA Metric IC

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

INDIANA MICHIGAN POWER COMPANY

Note: Preliminay estimate, expected to be finalized PJM by June 1, 2024.

	ICAP (MW)	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
				DU (D70		
				,		
	1317.5			PJM RTO	Coal	
	4.3			PJM RTO	Hydro	
	2.6			PJM RTO	Solar	
	4.6			PJM RTO	Solar	
			1		1	ł
			1		1	
			1		1	
-						
		Nameplate capacity 0.6.2 0.6.2 0.6.2 0.00 1.2 0.014.0 1014.0 1.15 0.00 1.5 0.01317.5 0.022 0.033	IC ICAP (MW) IC 8-1-8.5-13(f)	IC ICAP (MW) IC 8-1-8.5-13(f) Winter 0CAP (MW) Nameplate capacity IC 8-1-8.5-13(g) definition 0 6.2 2.5 20.0 1.2 1014.0 1167.0 2.5 3.0 1.5 5.0 5.0 1317.5 4.3 2.6	IC BAP (WW) IC 8-1-8.5-13(f) Winter UCAP (WW) IC Barbon (WW) Nameplate capacity IC 8-1-8.5-13(g) definition Interconnection zone 6.2 0 PJM RTO 7 2.5 PJM RTO 1.2 PJM RTO PJM RTO 1.12 PJM RTO PJM RTO 1.167.0 PJM RTO PJM RTO 1.5 P	Nameplate capacity IC 8-1-8.5-13(f) definition Wither OLAP (WW) IC 8-1-8.5-13(g) definition Docation: RTO interconnection zone Fuel Source Mameplate capacity IC 8-1-8.5-13(g) definition Interconnection zone Fuel Source IC 0.2 0.2 PJM RTO Hydro IC 0.1 1.2 PJM RTO Hydro IC 0.1 1.1 PJM RTO Nuclear IC 0.1 1.1 PJM RTO Nuclear IC 0.1 1.1 PJM RTO Nuclear IC 0.1 PJM RTO Nuclear PJM RTO IC 0.1 1.5 PJM RTO Hydro IC 0.1 1.3 PJM RTO Hydro IC 0.1 1.3 PJM RTO Solar IC 0.1 1.3 PJM RTO Solar

Contracted Resource IC 8-1-8.5-13(i)(2) definition	ICAP (MW) Namenlate canacity	Summer UCAP (MW) IC 8-1-8.5-13(f) definition	 Location: RTO interconnection zone	Fuel Source	Additional Comments
OVEC	166.0		PJM RTO	Coal	
FOWLER RIDGE WF	100.0		PJM RTO	Wind	
FOWLER RIDGE 2 WF	50.0		PJM RTO	Wind	
HEADWATERS WF	200.0		PJM RTO	Wind	
WILDCAT 1B WF	100.0		PJM RTO	Wind	
IMPA	44.1		PJM RTO	Various	Wholesale Customer Cap.
			PJM MAAC TBD		MI Self-Supply Capacity (MI specific resource)
			- 00	100	

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
PJM DEMAND RESPONSE RES.			

Please describe any other federal reliability requirement: Reliability Adequacy Metrics [defined in IC 8-1-8.5-13(e)] Summer RA Metric (C 9.4.95 12(e)(1) 9.1 95 12(e)(1) 9.1 95 12(e)(1)	ary 24/25	*Note, this value the preliminar I&M load obli		RTO established Planning Reserve Margin requirement (see IC 8-1-8.5-13 (i)(4)
Summer RA Metric IC				
		IC	Winter RA Metric	Summer RA Metric
10 0°1°0.3°13(8)[1] 0°1°0.3°13(8)[2]			8-1-8.5-13(e)(2)	IC 8-1-8.5-13(e)(1)



CONFIDENTIAL: EXCLUDED FROM PUBLIC ACCESS PER ACCESS TO COURT RULE 5

July 6, 2022

- To: Ryan Heater, Indiana Utility Regulatory Commission
- Re: Resource Adequacy, I.C. 8-1-8.5-13 (HB 1520)

Indiana Michigan Power Company (I&M or Company) provides the following response to the Indiana Utility Regulatory Commission (IURC)'s data summary.

- Q1 Do you agree or disagree with the summary included below?
- A1 Agree.
- Q2 If you disagree, please explain any corrections.
- A2 Not applicable.
- 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 PY 23/24 74MW DRR increase I&M anticipates DRR commitments in PY 22/23 reaching approximately 350MW; the remaining DRR requirements for PY 23/24 will be achieved through normal program growth.



- Q4 Are there any other data or details to explain the certainty and risk of any action identified as being needed in advance of PY 23/24 and PY 24/25?
- A4 I&M would categorize the actions described above for PY 23/24 as relatively low risk.

BOUNDLESS ENERGY"