FILED
February 14, 2025
INDIANA UTILITY
REGULATORY COMMISSION

On Behalf of Petitioner, DUKE ENERGY INDIANA, LLC

VERIFIED DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR.

Petitioner's Exhibit 3

February 13, 2025

DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR. GENERAL MANAGER FOR NEW GAS GENERATION DEVELOPMENT DUKE ENERGY BUSINESS SERVICES, LLC ON BEHALF OF DUKE ENERGY INDIANA, LLC BEFORE THE INDIANA UTILITY REGULATORY COMMISSION

1		I. <u>INTRODUCTION</u>
2	Q.	PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
3	A.	My name is John Robert Smith, Jr., and my business address is 525 South Tryon
4		Street, Charlotte, North Carolina 28202.
5	Q.	BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?
6	A.	I am employed by Duke Energy Business Services, LLC, a service company
7		affiliate of Duke Energy Indiana, LLC ("Duke Energy Indiana" or the
8		"Company"), as the General Manager for New Gas Generation Development
9		within the Project Management and Construction ("PMC") Department of Duke
10		Energy.
11	Q.	PLEASE BRIEFLY SUMMARIZE YOUR EDUCATIONAL
12		BACKGROUND AND PROFESSIONAL EXPERIENCE.
13	A.	I received a Bachelor of Science in Civil Engineering from North Carolina State
14		University in 1982. I am a registered Professional Engineer in North Carolina,
15		maintaining registration since 1987. I started my career with Duke Energy's
16		predecessor Duke Power in 1982 as a field engineer supporting construction of
17		Catawba Nuclear Station. In 1988, I transitioned from engineering into project
18		management working for Duke Energy, Fluor, The Shaw Group, and CB&I in

	various roles focused on Engineering, Procurement, and Construction ("EPC")
	services for all forms of new generation installations throughout the United States
	and abroad. Upon returning to Duke Energy as Senior Project Director in 2018, I
	focused on managing EPC projects. I assumed my current position as General
	Manager for New Gas Generation Development at the beginning of 2023. In total,
	I have over 35 years of experience with responsibility for EPC and project
	management of new power plant construction projects.
Q.	PLEASE SUMMARIZE YOUR RESPONSIBILITIES AS GENERAL
	MANAGER FOR NEW GAS GENERATION DEVELOPMENT.
A.	In my role as General Manager for New Gas Generation Development, I provide
	leadership and direction for a team of project managers, engineers, sourcing
	resources, and estimators responsible for front-end development of new natural
	gas-fired generation projects (the "PMC Gas Development Team") in the
	jurisdictions where Duke Energy owns generation resources and provides electric
	service.
	Once a Duke Energy jurisdiction identifies the need for a new gas-fueled
	resource in a resource plan, my team is responsible for developing conceptual
	designs that satisfy the need and the associated cost estimates to construct the
	new generating facility. My team also establishes and initiates project structure,
	including assisting with key regulatory approvals such as certificates of public
	convenience and necessity ("CPCN") to construct the resource. My team
	coordinates with internal stakeholders and multiple third parties to obtain all

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DUKE ENERGY INDIANA CAYUGA CC PROJECT CPCN DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR

necessary permits, and issues purchase orders and contracts related to the 2 construction of the generation resource. We also manage the process to obtain 3 pricing from major equipment suppliers and EPC providers and use the 4 information to internally develop a comprehensive cost estimate. Once all 5 necessary internal and regulatory approvals, permits, purchase orders, and 6 contracts are in place, my team transitions responsibility to the team within PMC 7 assembled to oversee and manage execution of the project plan to construct the 8 facility. 9 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS 10 **PROCEEDING?** The purpose of my testimony in this proceeding is to support Duke Energy A. 12 Indiana's request for a CPCN to construct a 1,476 MW (winter rating) natural gas 13 combined cycle ("CC") plant (the "Cayuga CC Project") on the site of the to-be-14 retired Cayuga Generating Station. Specifically, I will describe the proposed 15 Cayuga CC Project, which will provide an incremental 471 MW of generation to 16 Duke Energy Indiana's system. My testimony will also describe the contracting 17 approach, cost estimate development and proposed construction schedule. See 18 Figure 1 below for a site map showing the location of the Cayuga CC Project

within the Cayuga Energy Complex.

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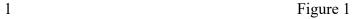
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DUKE ENERGY INDIANA CAYUGA CC PROJECT CPCN DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR





II. PROPOSED CAYUGA CC PROJECT

3 Q. PLEASE DESCRIBE THE PROPOSED CAYUGA CC PROJECT.

A. The proposed Cayuga CC Project will include two natural gas-fired combustion turbine generators ("CTG") each paired with a heat recovery steam generator ("HRSG"), which utilizes the heat from the exhaust produced by the CTGs (that the exhaust stack would otherwise remove) to generate steam. The HRSGs individually produce and deliver the steam to two steam turbine generators

1		("STG") that produce additional electricity beyond that produced by the CTGs
2		alone, making the combined-cycle configuration more efficient than a simple-
3		cycle CTG. I will refer to each CTG/HRSG/STG in combination as a "1x1." Each
4		1x1 will have a winter rating of approximately 738 MW, for a combined capacity
5		for the two 1x1s of approximately 1,476 MW (winter rating). The Cayuga CC
6		Project will replace the combined capacity of 1,005 MW (winter rating) from two
7		to be retired Cayuga coal-fired units and will allow the Company to cost-
8		effectively leverage existing infrastructure at the Cayuga site, such as the
9		transmission, water and wastewater facilities.
10]	III. THE PROPOSED FACILITY AND CONTRACTING STRATEGY
11	Q.	PLEASE FURTHER DESCRIBE THE PLANNED CAYUGA CC
12		PROJECT.
13	A.	Given the Company's procurement activities, Duke Energy Indiana is proposing
14		to construct the Project in phases with the first 1x1 ("CC 1") to be completed and
15		in-service by September 1, 2029, and the second 1x1 ("CC 2") to be completed
16		and in-service by May 29, 2030. Once CC 1 is in-service, Duke Energy Indiana
17		plans to retire one coal-fired unit and to derate the second coal-fired unit until CC
18		2 is in-service in 2030 (to the extent MISO requires that derate). Note that even if
19		the derate is required, during the remainder of the construction and testing period
20		for CC 2, Duke Energy Indiana expects to be able to maintain the same 1,005
21		MW capacity as the two retiring coal units.

	Duke Energy Indiana currently has a signed purchase order for the first
	CTG – a GE Vernova advanced class gas turbine 7HA.03 which will be capable
	of operating with a blend of 30% hydrogen (by volume) fuel. The Company is in
	the process of signing purchase agreements for the second CTG (another 7HA.03)
	and two STGs, all from GE Vernova. In addition, we are finalizing an EPC
	agreement with Kiewit Power Constructors, Co. ("Kiewit"), which will be
	procuring the HRSGs and constructing the Cayuga CC Project under a lump sum,
	turnkey contract.
	As mentioned above, the Cayuga CC Project will have a winter capacity
	rating of 1,476 MW, larger than the to-be-retired coal units' winter capacity rating
	of 1,005 MW. To allow for the interconnection of the incremental MW, Duke
	Energy Indiana entered the 2023 MISO queue for an additional 500 MW. The
	interconnection process is further discussed by Company witness Karn.
	The overall site will also include the existing Cayuga CT 4 (approximately
	100 MW of natural gas peaking capacity) and together will be referred to as the
	Cayuga Energy Complex. The diesel generators located at Cayuga will also be
	retired on or about when the coal-fired units retire.
Q.	DID DUKE ENERGY INDIANA CONSIDER OTHER OPTIONS FOR
	REPLACING THE CAYUGA COAL UNITS?
A.	Yes. My team developed and submitted bids into both of Duke Energy Indiana's
	all source Requests for Proposals ("RFP") – including both a 1x1 CC and 2x1 CC
	for the site, with the support of our Owner's Engineer, Burns & McDonnell. As

DUKE ENERGY INDIANA CAYUGA CC PROJECT CPCN DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR

explained by the testimony of Duke Energy Indiana witness Lee, in the 2022 RFP, a 1x1 advanced class CC was selected over a 2x1 CC that included a less efficient class CTG to increase confidence in maximum operating flexibility and to better ensure EPA Clean Air Act (CAA) Section 111(b) compliance. In the Company's most recent 2023/2024 RFP, Duke Energy Indiana selected a second 1x1 advanced class CC over a 2x1 CC that was also bid. In addition to being a less efficient turbine, the 2x1 CC also would not have been available at the in-service date desired by the Company to support the retirement date for the coal units.

Once my team was informed that the 1x1 CC was selected by Duke Energy Indiana out of the 2022 RFP, we competitively bid out the major equipment that the Company is responsible for procuring, resulting in the purchase order for CTG 1. My team was informed in September 2024 that our second 1x1 CC bid was selected out of the second RFP. By this point, we also had a preferred EPC bidder and asked Kiewit to refresh its bid to include construction of both CC 1 and CC 2. My team expects to have signed purchase orders for the other CTG and both STGs by June 2025. To the extent the Company's cost estimate requires updating as a result of signing those purchase orders, the Company will provide support for any changes as part of this proceeding.

As described in the testimony of Company witness Karn, once the EPA's CAA 111(b) Rule was promulgated, the Company determined that the more

¹ CAA 111(b) sets New Source Performance Standards (NSPS) for greenhouse gas (GHG) emissions from new, modified, and reconstructed fossil fuel-fired power plants.

1		efficient turbines, that would meet the requirements of the rule, were the best
2		choice for the Cayuga Energy Complex. Having the most efficient units on the
3		market today to serve customers makes good sense whether or not the EPA's
4		CAA 111(b) Rule remains the law, as explained in more detail by Company
5		witness Gagnon.
6	Q.	PLEASE DESCRIBE THE BENEFITS OF CONSTRUCTING ON A SITE
7		ALREADY USED BY THE COMPANY FOR GENERATION.
8	A.	Duke Energy Indiana already owns the property at the Cayuga site. Constructing
9		the Cayuga CC Project on a site already used for generation provides cost savings
10		and advantages for the Company and its customers and benefits the local
11		economy.
12		From a construction perspective, it is efficient for the new plant to be able
13		to reuse the existing water intake, switchyard (with some modifications needed),
14		wastewater pond and outfall. Furthermore, as described by Company witness
15		Karn, the Cayuga CC Project can take advantage of the netting of emissions from
16		the existing coal-fired units from an air permitting perspective, as well as utilizing
17		MISO's Generator Replacement Request process for interconnecting with the
18		grid. The Company expects that only needing to seek an incremental 500 MW
19		interconnected at the site will result in a smoother, less costly, and faster process
20		than having to enter the queue with the full site output. However, as I discuss
21		later, Duke Energy Indiana does not yet have a Generator Interconnection
22		Agreement in place for the proposed Cayuga CC Project – which is part of the

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DUKE ENERGY INDIANA CAYUGA CC PROJECT CPCN DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR

reason the Company has proposed certain project reserves to cover the possible network upgrades until they are known.

In addition, the Cayuga site is located within Duke Energy Indiana's service territory and reusing this site will help to replace lost property tax base resulting from the retirement of the coal-fired units. Vermillion County will benefit from additional investment within the area and by maintaining Duke Energy Indiana as a community partner, as further discussed by Company witness Pinegar.

Q. PLEASE DESCRIBE WHAT DUKE ENERGY INDIANA CONSIDERS TO BE THE MAJOR COMPONENTS OF THE CAYUGA CC PROJECT.

The CTGs, STGs and generator step up transformers ("GSU") are major pieces of equipment the Company is procuring as their availability must be ensured to achieve the desired in-service dates. In addition to this major owner-furnished equipment, the EPC contract makes up the most significant portion of the cost of the proposed Cayuga CC Project. The EPC contractor will be responsible for procuring the HRSGs (which include duct firing) as part of its scope. Other major and critical components of the project include the reconfiguration and use of existing water resources, supply of the new natural gas facilities, and the modification, new design and upgrades required for the transmission interconnection. While not necessarily physical components, the water and air permitting as well as obtaining necessary regulatory approvals are critical components that will facilitate the completion of a successful project.

1	Q.	PLEASE DESCRIBE THE COMPANY'S COMPETITIVE BIDDING
2		PROCESS FOR THE CAYUGA CC PROJECT.
3	A.	In 2024, the Company conducted a competitive bid event with major United
4		States of America gas turbine vendors, which has helped my team gain full
5		understanding of current market conditions.
6		My team performed the technical and commercial evaluation of the CTG
7		bids, selecting GE Vernova as the best fit for the Company's needs.
8		For the STG, Duke Energy Indiana also conducted a competitive process
9		and received bids from several vendors. After review, my team again determined
10		that GE Vernova was the best fit for Duke Energy Indiana's project.
11		The Company issued a competitive RFP seeking an EPC contractor for the
12		Cayuga CC Project, ultimately selecting Kiewit as the EPC contractor for this
13		project.
14	Q.	HAS THE COMPANY'S COMPETITIVE BIDDING PROCESS
15		COMPLIED WITH IND. CODE § 8-1-8.5-5?
16	A.	Yes. Duke Energy Indiana competitively bid the major components of the Cayuga
17		CC Project, as well as the EPC contract. As required by Ind. Code § 8-1-8.5-
18		5(e)(1)(A), these bids and/or contracts were then used for the estimated costs of
19		the proposed facility in this proceeding. Furthermore, as required by Ind. Code 8-
20		1-8.5-5(e)(1)(B), Kiewit's EPC bid met the technical, commercial and other
21		specifications required by Duke Energy Indiana for the proposed facility.

2

DUKE ENERGY INDIANA CAYUGA CC PROJECT CPCN DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR

Q. HOW WOULD YOU DESCRIBE DUKE ENERGY INDIANA'S

CONTRACTING STRATEGY FOR THIS PROJECT?

3 My team considered both risks to the Company and its customers as part of its A. 4 contracting strategy for the Cayuga CC Project. Duke Energy Indiana has 5 employed a variety of contracting strategies in the past – however, with the 6 current market conditions, supply chain constraints and recent rapid price 7 escalation, we currently believe the best choice is to procure the major equipment 8 needed for the Cayuga CC Project early and to obtain firm lump sum, turnkey 9 pricing from our EPC. With a major construction project spanning multiple years, 10 there will be uncertainties and risks, both known and unknown, but Duke Energy 11 Indiana has put itself and its customers in the best position possible to avoid or 12 mitigate price increases and schedule impacts through its contracting strategy. 13 Furthermore, the Company prioritizes safety for its employees and contractors. 14 This priority factored into our selection of Kiewit, a seasoned EPC contractor 15 with safety performance nearly 10x the national average.²

16 Q. PLEASE EXPLAIN THE STATUS OF THE EPC CONTRACT.

A. As mentioned above, the Company has selected Kiewit as the EPC contractor for this project. As also mentioned above, Duke Energy Indiana expects to enter into a lump sum, turnkey agreement for the EPC portion of the Cayuga CC Project. At the time of the Limited Notice to Proceed ("LNTP") being provided to Kiewit

² See <u>About Us | Kiewit Corporation</u> (last visited Jan. 24, 2025).

Q.

A.

(currently scheduled within the first six months of 2025), Duke Energy Indiana
expects to receive final pricing for the project. As Kiewit has noted in its pricing
proposal, its "estimate is based on receiving a Limited Notice to Proceed to
release engineering activities on June 2, 2025, with a Full Notice to Proceed on or
before October 1, 2025. We have included our best estimate required to align with
those dates but will require a true-up of the pricing up or down by the LNTP in
June 2025." ³ At that time, the Company can update its cost estimate in this
proceeding to reflect the final lump sum pricing.
COULD THERE BE OTHER UPDATES TO THE COMPANY'S COST
ESTIMATE WHILE THIS PROCEEDING IS PENDING?
That is possible. Duke Energy Indiana may also be able to update its estimate
during this proceeding as it finalizes contracts for the remaining CTG, two STGs,
and to the extent it receives any firm network upgrade requirements from MISO
through the GIA process.
The Company also expects to be able to adjust the assumption included in
the cost estimate related to the project reserve included in the cost estimate. This
amount was included to cover the uncertainty related to entering into final
contracts for major equipment, the final EPC agreement, and MISO's required
network upgrades. As these amounts are known – either during this proceeding or
through the Commission's ongoing review process – Duke Energy Indiana will be

³ See Confidential Workpaper 2-JRS

1		able to adjust its cost estimate to reflect known cost changes and reduction in risk
2		as a greater percentage of the cost estimate becomes firm.
3	Q.	HOW HAS THE COMPANY ESTIMATED TRANSMISSION NETWORK
4		UPGRADES IF IT IS STILL IN THE MISO QUEUE FOR THE
5		ADDITIONAL 500 MW?
6	A.	As included in Confidential Workpaper 12-JRS, our transmission team reviewed
7		the network upgrades required by MISO for projects in the 2020 queue and
8		determined that, on average, projects were required to construct projects at a cost
9		of approximately \$0.27/watt. The team then multiplied that amount by the 500
10		MW in the queue for the Cayuga CC Project, resulting in the approximately \$138
11		million included in the Company's estimate in this proceeding. Of course, as we
12		receive information from MISO on what actual network upgrades will be and the
13		expense, we can update the Company's estimate.
14		As mentioned above, to the extent this information is received from MISO
15		after the record closes in this proceeding, the Company will be able to report on
16		the outcome as part of its semi-annual ongoing review and rider proceedings.
17	Q.	HOW DOES DUKE ENERGY INDIANA INTEND TO OVERSEE
18		CONSTRUCTION AT THE SITE?
19	A.	The Cayuga CC Project can be broken down into Duke Energy Indiana scope and
20		EPC contractor scope. Duke Energy Indiana is responsible for procuring certain
21		major equipment (CTGs, STGs, GSUs, Unit Auxiliary Transformers), as well as
22		the distributed control system (DCS) for monitoring, controlling and

DUKE ENERGY INDIANA CAYUGA CC PROJECT CPCN DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR

communicating with the plant, the high voltage breakers for transmission interconnection, and the on-site transmission modifications. The gas pipeline and metering facilities will be provided by CenterPoint.⁴ The EPC contractor is responsible for everything within the scope of its contract, including procurement of the HRSG, construction, commissioning and performance testing through final completion of the Cayuga CC Project.

Duke Energy Indiana intends to use its PMC team to oversee the EPC contractor's work and progress through meetings, full-time site presence, as well as additional visits and required reporting. Reporting will consist of progress reporting on a percent complete basis, as well as key critical milestones and critical path monitoring against the established baseline schedule. PMC will be engaged with the contractor on a daily basis and will receive various reports on a weekly and monthly basis, and monthly meetings will be held with key project stakeholders to review progress and concerns being addressed by the collaborative team. If and as required, reporting and meetings will be increased should extra mitigating strategies be necessary to minimize significant deviations from the project plan. Work will be paid for based on the completion of discretely defined billing milestones representing the value of completed work.

⁴ CenterPoint will be filing the pipeline construction and gas transportation service contract, once completed, with the Commission for review. Costs associated with this contract are not included in the cost estimate in this proceeding.

1		This high level of engagement from the PMC team will help facilitate the
2		Company's reporting to the Commission on construction as it proceeds through
3		the ongoing review process.
4		IV. ESTIMATED CONSTRUCTION SCHEDULE
5	Q.	PLEASE DESCRIBE PETITIONER'S CONFIDENTIAL ATTACHMENT
6		3-A (JRS).
7	A.	Petitioner's Confidential Attachment 3-A (JRS) is a copy of the current estimated
8		construction schedule for the Cayuga CC Project provided by Kiewit. This
9		schedule drives toward an in-service date for CC 1 of September 2029 and for CC
10		2 of May 2030.
11	Q.	PLEASE LIST THE KEY ACTIVITIES FOR THE CAYUGA CC
12		PROJECT.
13	A.	Duke Energy Indiana has a signed purchase order from GE Vernova for the first
14		CTG and is working on reaching final agreement on the second CTG and both
15		STGs in early 2025. Duke Energy Indiana will complete the procurement of the
16		major equipment within its scope by 3Q 2025 in order to support the EPC
17		contractor's expected schedule.
18		Also in 2025, Kiewit will begin engineering activities, leading up to June
19		when Duke Energy Indiana expects to issue the LNTP to Kiewit. At that time,
20		Duke Energy Indiana will receive updated lump sum, turnkey pricing on the EPC
21		contract (certain activities within the EPC remain subject to escalation given
22		market conditions until LNTP), which the Company will file in this proceeding to

DUKE ENERGY INDIANA CAYUGA CC PROJECT CPCN DIRECT TESTIMONY OF JOHN ROBERT SMITH, JR

the extent there is a significant change. The Company intends to issue a full notice to proceed ("FNTP") to Kiewit upon issuance of a CPCN in this proceeding, estimated to be in October 2025, based on the 240 day schedule in Indiana Code 8-1-8.5. Upon FNTP, Kiewit will begin mobilization for the initial site work activities and begin to release purchase orders to suppliers. The focus for the remainder of 2025 will be procurement and engineering activities, while the field team will be mobilizing and establishing facilities to support the on-site management for construction.

In 2026, Kiewit will ramp up its construction activities beginning with the major civil activities including the installation of erosion control features and site grading. Once rough grading is complete, focus will be on the excavations and installation for the underground services, both mechanical and electrical, and then to the major equipment foundations. Home office engineering will remain focused on completing the procurement of balance of plant equipment and materials and completing engineering drawings and document for construction. Major equipment foundations will continue into 2027 in preparation to begin receiving the major equipment shipments. Most construction activities will shift to above ground installations including buildings, raw water and discharge water tie-ins, pipe racks and pipe, electrical raceway and cable, transmission interconnecting bus lines and shifting to major equipment installation later in the year. Engineering will shift their focus to providing field construction support. The resource peak for the project and main focus in 2028 will be the installation of the

	major equipment, CTGs, STGs, HRSGs and transformers. Building construction,
	major piping system and electrical cabling will continue as the construction shifts
	from a bulk installation plan, to one focused on system completion in support of
	upcoming start-up and commissioning. Engineering will be completing
	construction support and focused on commissioning support. 2029 will start off
	with first fire for the first CTG that will initiate the hot-start activities continuing
	through the various commission and testing steps, culminating with the
	performance testing and declaration of in-service for CC 1. As CC 1 is completing
	it's testing in late 2029, CC 2 will be prepared for its first fire and continuing
	testing to achieve an in-service date in mid-2030. Once both units are successfully
	completed, engineering, with support from construction will complete project as-
	built documentation for delivery to Duke Energy Indiana prior to final
	completion. The Company will work to ensure continuous operations from
	Cayuga to the grid, scheduling tie-ins in a way that maintains service for
	customers.
Q.	IS THE COMPANY REQUESTING THAT THE COMMISSION
	MAINTAIN ONGOING REVIEW OF THE CAYUGA CC PROJECT
	CONSTRUCTION AS IT PROCEEDS?
A.	Yes. As set forth in Indiana Code 8-1-8.5-6, the Company requests ongoing
	review of the construction as it proceeds. As explained in the testimony of
	Company witness Sufan, Duke Energy Indiana is requesting to set up a new semi-
	annual rider under which ongoing review may be accomplished. It is our

1		recommendation that ongoing review be conducted during those semi-annual
2		rider filings.
3	Q.	WHAT TYPE OF REPORTING WILL DUKE ENERGY INDIANA
4		PROVIDE IN ITS SEMI-ANNUAL RIDER FILINGS?
5	A.	Duke Energy Indiana intends to provide the Commission with insight into
6		construction progress at the site, as well as any necessary changes to the expected
7		in-service date or the cost estimate. I expect that the Company will also provide
8		an updated construction schedule as part of its ongoing review filings.
9		V. <u>COST ESTIMATE</u>
10	Q.	PLEASE DESCRIBE PETITIONER'S CONFIDENTIAL ATTACHMENT
11		3-B (JRS).
12	A.	Petitioner's Confidential Attachment 3-B (JRS) is the detailed cost estimate for
13		the Cayuga CC Project.
14	Q.	WHAT IS THE COMPANY'S BEST ESTIMATE OF THE TOTAL COST
15		OF CONSTRUCTION FOR THE CAYUGA ENERGY COMPLEX?
16	A.	As detailed on Petitioner's Confidential Attachment 3-B (JRS), the estimated cost
17		of the Cayuga CC Project is \$2.97 billion, plus AFUDC, property taxes and
18		project reserve. The Company has separated out the items it expects may change
19		over time, specifically AFUDC, transmission network upgrades and project
20		reserves. When those items are included, the total best estimate for the Cayuga
21		CC Project is \$3.33 billion. As I discussed earlier in my testimony, Duke Energy
22		Indiana intends to reflect known changes to its estimate during this proceeding,

1		for example, when firm purchase orders are signed for major equipment, when
2		MISO network upgrades are known and when the Company gives Kiewit the
3		LNTP. As the estimate becomes firmer, there could also be adjustments to the
4		amount the Company has set aside for project reserves.
5		My team is responsible for development of the project and associated
6		schedule and cost estimate and have high confidence the work completed to-date
7		supports this estimate being considered AACE Class 3 quality, with an accuracy
8		range of -20%/+30%. The Company's current estimate for contingency and
9		project reserves reflects this accuracy level. However, Duke Energy Indiana
10		expects that this cost estimate will be further refined throughout this proceeding
11		as large contracts are awarded.
12	Q.	HAS DUKE ENERGY INDIANA SUPPORTED ITS COST ESTIMATE IN
12		
13		THIS PROCEEDING WITH DETAILED WORKPAPERS?
	A.	THIS PROCEEDING WITH DETAILED WORKPAPERS? Yes, it has. Filed with my testimony are workpapers that include the purchase
13		
13 14		Yes, it has. Filed with my testimony are workpapers that include the purchase
131415		Yes, it has. Filed with my testimony are workpapers that include the purchase order with GE Vernova for the CTG, the bid for the second CTG, the bid for the
13141516		Yes, it has. Filed with my testimony are workpapers that include the purchase order with GE Vernova for the CTG, the bid for the second CTG, the bid for the STG, the EPC bid, and contingency analysis, along with other supporting
13 14 15 16 17	A.	Yes, it has. Filed with my testimony are workpapers that include the purchase order with GE Vernova for the CTG, the bid for the second CTG, the bid for the STG, the EPC bid, and contingency analysis, along with other supporting information.
13 14 15 16 17	A.	Yes, it has. Filed with my testimony are workpapers that include the purchase order with GE Vernova for the CTG, the bid for the second CTG, the bid for the STG, the EPC bid, and contingency analysis, along with other supporting information. WERE COSTS INCLUDED FOR THE NATURAL GAS PIPELINE IN
13 14 15 16 17 18	A. Q.	Yes, it has. Filed with my testimony are workpapers that include the purchase order with GE Vernova for the CTG, the bid for the second CTG, the bid for the STG, the EPC bid, and contingency analysis, along with other supporting information. WERE COSTS INCLUDED FOR THE NATURAL GAS PIPELINE IN THIS PROCEEDING?

1		with the Commission), the Company will be billed over a twenty-year period for
2		the transportation of gas to Cayuga and expects to seek to recover the
3		transportation costs through its FAC proceedings as it does with other natural gas
4		transportation costs.
5		In addition, Duke Energy Indiana has contracted with REX for firm
6		transportation as part of the recent REX "open season" process. Duke Energy
7		Indiana has discussed its efforts to procure firm transportation in its FAC
8		testimony. Please see the testimony of Company witness McClay for additional
9		information.
10		VI. <u>CONCLUSION</u>
11	Q.	IN CONCLUSION, DO YOU BELIEVE THE COMPANY'S BEST
12		ESTIMATE OF CONSTRUCTION COSTS FOR THE CAYUGA CC
13		PROJECT IS REASONABLE AND SHOULD BE APPROVED?
14	A.	Yes, I do. My team has put forth considerable effort to develop a firm cost
15		estimate that will not be subject to the kind of price inflation and supply chain
16		risks we have been seeing in the industry recently. By procuring major equipment
17		up front and entering into a lump sum, turnkey EPC contract for construction, the
18		Company is trying to ensure a smooth construction process with minimal
19		surprises along the way. Of course, any major construction project will have
20		unknown events and issues arise along the way. However, through our deliberate
21		contracting strategy, we hope those events and issues will not have a significant
22		impact on either price or in-service dates.

PETITIONER'S EXHIBIT 3

- 1 Q. WERE PETITIONER'S CONFIDENTIAL ATTACHMENTS 3-A (JRS)
- 2 AND 3-B (JRS) PREPARED BY YOU OR AT YOUR DIRECTION?
- 3 A. Yes, they were.
- 4 Q. DOES THIS CONCLUDE YOUR PREFILED DIRECT TESTIMONY?
- 5 A. Yes, it does.

VERIFICATION

I hereby verify under the penalties of perjury that the foregoing representations are true to the best of my knowledge, information and belief.

Signed: Bobby Smith
Bobby Smith

Dated: 02/13/2025