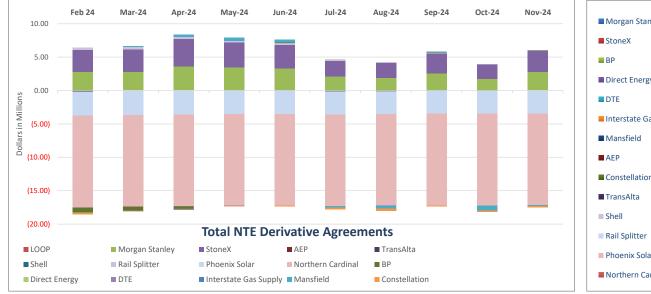
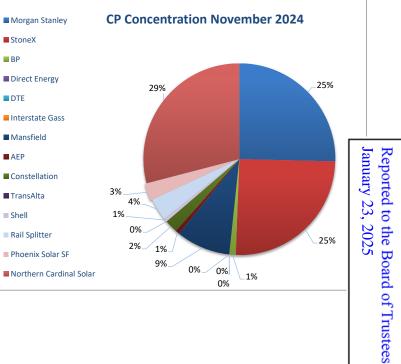
## University of Illinois System

## **Derivatives Dashboard**

Policy Counterparty (CP) Requirements		Hedging Position Summary (In Millions) Notional NTE			Collateral Summary				
Reporting Requirements Met	Yes (1) (2)	Futures Contracts, Financial	\$	12.27		Collateral Held by PEI on behalf of Counterparties:			
CP Rating Qualification Met	Yes (2) (3) (4)	Forward Purchase, Physical <sup>(5)</sup>		20.86		Rail Splitter Wind (HSBC Bank LOC)	\$	2,500,000	
Within CP NTE Limits	Yes (3) (6)	Solar PPAs <sup>(2) (4)</sup>		15.55		)8) TransAlta (Bank of Nova Scotia LOC)	\$	25,000	
Under CP Concentration Limits	Yes				3.18	Northern Cardinal (Common Wealth Bank Australia LOC)	\$	1,000,000	
					2.48	Direct Energy/NRG (Deutsche Bank NY LOC)	\$	200,000	
			_			Mansfield Power (JPMorgan Chase Bank LOC)	\$	100,000	
		Total	\$_	48.68	\$ (11.4	12) Collateral Held by Counterparty on behalf of PEI:			
						Margin Exposure on Futures	\$	254,966	

Material Events Since Last Report	Counterparty (CP) Qualification Risk Management <sup>(3) (4)</sup>	Counterparty (CP) NTE Risk Management <sup>(3) (6)</sup>
2024 as well as the Counterparty Exception. **On 11/15/2024, S&P upgraded JPMorgan Chase Bank N.A. to "AA- " from "A+", outlook stable.	nor Mansfield is rated but has provided a \$2.5 million LOC from HSBC Bank and \$0.10 million LOC from JPMorgan respectively. TransAlta's rating declined below acceptable limits, so they have provided a \$25,000 LOC from the Bank of Nova Scotia to meet policy qualifications. Direct Energy, through parent NRG, provided LOC from Deutsche Bank AG for \$0.2 million. Northern Cardinal is not rated but has PCG, LOC, and approved qualification exception. <sup>(4)</sup> System and PEI policies	Exposure to a CP is determined by NTE value net of collateral and is limited based on CP credit rating. The PEI policy accepts a higher exposure limit on the BBB/Baa category than the university Policy; an approved policy exception. <sup>(3)(6)</sup> BP, DTE, Constellation, and AEP provide recourse through Credit or Adequate Assurances provisions if reasonable grounds exist regarding unsatisfactory creditworthiness or performance. Others provided an LOC as collateral, noted in above Collateral Summary. It is incumbent upon PEI to monitor and request Performance Assurance if a rating change triggers the policy collateral requirements.





11/30/24

University of Illinois System

## **Derivatives Dashboard**

				Den						System		
Responsible Unit/Dept.	Counterparty (CP)	CSP Rated Entity/ Exchange	Bond Rating S&P / Moody s	Expires FY Range	Underlying Asset / Liability	Orig Contract	Current Notional / Contract In Millions	Market Value In Millions	*MTM or NTE <sup>(5)(6)</sup> In Millions	Guarantee	PCG LOC (Credit Limit) In Millions	CP Threshold (Collateral Requirements)
Financial Hedge	es		Qualifying Rating A- / A3									
PEI Energy Futur	es Contracts											
SO Utilities Admin	StoneX Financial Inc.	InterContinental Exchange (ICE)	A- / A3	2025-2028	Natural Gas	14.53	12.27	15.45	3.18			None Exchange Traded
Physical Hedge	S	Qualifying Rating (3)	BBB-/Baa3 or BB+/Ba1	with LOC or PCG	SUBTOTAL	14.53	12.27		3.18			
PEI Energy Forwa												
•••	BP Canada Energy	BP Corporation North										Adequate
SO Utilities Admin		America, Inc. (PCG) Deutsche Bank AG, NY	A- / A2	2025	Natural Gas	0.85	0.54	0.61	0.07	10.00	1.00	Assurance
SO Utilities Admin		Branch (LOC) DTE Energy Company	A / A1		Natural Gas	-	0.00	0.00	0.00	2.50	0.20	LOC Adequate
	DTE Energy Trading, Inc. Interstate Gas Supply,		BBB+/Baa2	2025	Natural Gas	0.10	0.00	0.00	0.00	5.00	5.00	Assurance
SO Utilities Admin	11.27	IDMorgon Chase Bank	NR NR	2025	Natural Gas	0.01	0.00	0.00	0.00			
SO Utilities Admin	LLC	JPMorgan Chase Bank, NA (LOC)	AA- / Aa1	2025-2026	Natural Gas	6.09	4.45	4.31	(0.14)	5.00	0.10	LOC
SO Utilities Admin	1.7	Morgan Stanley (PCG)	A- / A1	2025-2029	Natural Gas	13.90	12.35	15.12	2.77	5.00	Unlimited	Rating Triggers
SO Utilities Admin	Shell Energy North America (US), L.P.	Shell Energy North America (US), L.P.	A / A2		Natural Gas		0.00	0.00	0.00	5.00		Rating Triggers
	AEP Energy Partners Inc.		BBB+ / Baa2	2025	Electricity	0.70	0.34	0.29	(0.05)	0.50	0.10	Credit Assurance
SO Utilities Admin	,	Constellation Energy Generation, LLC	BBB+/Baa1	2025	Electricity	2.13	1.08	0.90	(0.18)	5.00	Unlimited	Credit Assurance
SO Utilities Admin		Morgan Stanley (PCG)	A- / A1		Electricity	-	0.00	0.00	0.00	5.00	Unlimited	Rating Triggers
	TransAlta Energy Marketing (US) Inc.	The Bank of Nova Scotia (LOC)	A+ / Aa2		Electricity	-	0.00	0.00	0.00	2.50	0.03	LOC
SO Utilities Admin	Shell Energy North America (US), L.P.	Shell Energy North America (US), L.P.	A / A2	2025	Electricity	0.71	0.30	0.27	(0.03)	5.00		Rating Triggers
SO Utilities Admin	Rail Splitter Wind Farm LLC	HSBC Bank USA, (LOC)	A+ / Aa3	2025-2027	Electricity Renewable	2.12	1.80	1.84	0.04	2.50	2.50	LOC
					SUBTOTAL	26.61	20.86	23.34	2.48			
Solar PPAs	Discusion Oct. C. 11											
UIUC Energy Services - SF1	Phoenix Solar South Farms <sup>(2)</sup>			12/20/2025	Electricity Renewable	13.76	1.41		(3.36)			
		Commonwealth Bank of Australia, NY Br. (LOC)	AA- / Aa1									
	Northern Cardinal Solar SCS IL 1, LLC <sup>(4)</sup>	Arevon Energy InvestCo VII, LLC (PCG)	NR NR	2/2021 - 2/2041	Electricity Renewable	14.99	14.14		(13.72)	13.80	4.00	LOC, \$1M
					SUBTOTAL	28.75	15.55		(17.08)			
Grand Total					GRAND TOTAL	\$ 69.89	48.68		(11.42)			

\*Negative termination value, the System or PEI is obligated to the counterparty. (transaction is "underwater").

CP - Counterparty CSP - Credit Support Provider DUP - Derivatives Use Policy LOC - Letter of Credit NTE - Net Termination Exposure PCG - Parental Company Guarantee PEI - Prairieland Energy Inc.

PPA - Power Purchase Agreement SO - System Offices WR - Withdrawn Rating

## Footnotes:

(1) Policy exceptions approved by the CFO for Agriculture Property Services (APS) forward grain sales include release from counterparty credit rating, contract form, and monthly reporting requirements. APS reported \$75,201 in outstanding forward sales contracts as of 11/30/2024.

(2) In Dec 2015, UIUC issued a Power Purchase Agreement (PPA) in conjunction with their Solar Farm I. ERM learned of the PPA in July 2019 and began reporting the derivative Oct 2019. Since there is no CP risk, a policy exception was approved by the CFO for (a) minimum counterparty credit rating requirement, (b) required parental guarantee or LOC, and (c) minimum market capitalization requirement.

(3) Policy exceptions approved by the CFO for PEI include less restrictive CP credit rating for forward purchases and corresponding collateral requirements. For physical transactions, allows for unrated CP to qualify with LOC.

(4) On 10/3/19, a CP Exception for Urbana Solar Farm 2.0 was approved by the PEI Treasurer qualifying Northern Cardinal Solar SCSI IL 1, LLC (NCS) as a counterparty to be assigned the Power Purchase Agreement (PPA) for Solar Farm 2.0 from Sol Systems, LLC. This exception also qualified Capital Dynamics Clean Energy and Infrastructure VII JV, LLC as the guarantor for NCS. This exception also approved the PPA requirement for any unrated successor guarantor to qualify with \$100 million in tangible net worth. Contract term to 2/2/2041. CD Clean Energy and Infrastructure VII JV (InvestCo), LLC changed their name to "Arevon Energy InvestCo VII, LLC" and, notwithstanding such name change, all obligations of Guarantor under the Guaranty remain unchanged and in full force and effect.

(5) Contracted hedge prices on gas and electricity remain favorable to market prices overall. The natural gas storage balance was 3,863 Bcf as of Friday, October 31, 2024, according to EIA estimates. Stocks were 107 Bcf higher than last year at this time and 178 Bcf above the 5-year average of 3,685 BCF, combined with a milder 2023-2024 winter, resulting in lower near term natural gas prices. Natural Gas prices remain elevated in outer years due to global impacts and forecasted demand. Due to the correlation of electricity prices to natural gas prices, electricity prices have also decreased in the near term but remain higher in the outer years due to the expected cost of electric generation from natural gas and the forecasted increase in demand.

(6) Exposure to a CP is determined by the NTE value net of collateral and limited based on CP credit rating. The <u>PEI policy accepts \$10M exposure on BBB/Baa category</u> versus the University policy limit of \$0 on the same rating category. The PEI exposure limit difference to the university policy is an approved policy exception. DTE, AEP, and Constellation, all in the BBB/Baa category, currently have zero or negative NTE, meaning the University would pay the NTE to the CP if the contract ended.