Derivatives Dashboard

Reported to the Board of Trustees January 21, 2021

11/30/2020

		Hedging Decition Summon									
Policy Counterparty (C	P) Requirements	Hedging Position Summary (In Millions)	Notional NTE			Collateral Summary					
Reporting Requirements Met	Yes (1) (2)	Interest Rate Swaps (°)	\$ 32.55	\$	(2.56)	Collateral Held by PEI on behalf of Cou	Interparties				
CP Rating Qualification Met	Yes (2) (3) (4)	Futures Contracts, Financial	12.77		(0.42)	Rail Splitter Wind (HSBC Bank LOC)	\$	2,500,000			
Within CP Exposure Limits	Yes	Forward Purchase, Physical	40.54		0.35	TransAlta (Bank of Nova Scotia LOC)	\$	25,000			
Under CP Concentration Limits	Yes	Solar PPAs	6.85		(9.26)						
		Total	\$ 92.71	\$	(11.90)	Collateral Held by Counterparty on beh	alf of PEI:				
						Margin Exposure with INTL FC Stone	\$	294,670			

Material Events Since Last Report

Counterparty Risk Management (2) (4)

**PEI purchased 80,000 MMBTU's of Natural Gas Futures for UIUC from BP totaling \$216,400 for periods 12/1/2020-3/31/2021. **S&P downgraded Exelon Generation from BBB+ to BBB, outlook negative.

**NRG Energy Inc. has entered into an agreement to acquire Direct Energy Business from Centrica PLC by the end of 2020. This acquisition is a stock purchase, Direct Energy Business will not be changing their name. PEI has informed Direct Energy that an LOC will be required from NRG to meet policy requirements.

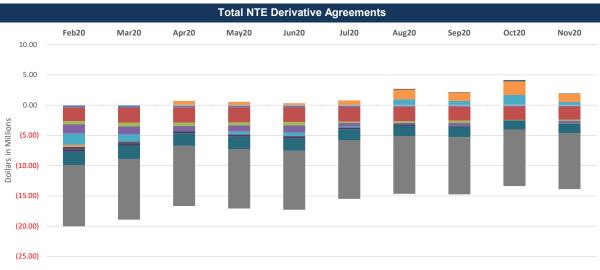
The energy industry necessitated action by the PEI Board of Directors to approve a policy accepting a lower credit rating than the System policy to gualify counterparties for physical hedges (forward purchases). This exception has been approved by the U of I System CFO in accordance with the University incumbent upon PEI to monitor and request Performance Assurance

Policy.⁽³⁾ Rail Splitter is not rated but has provided a \$2.5 million LOC from HSBC Bank. TransAlta's rating declined below acceptable limits so they have provided a \$25,000 LOC from the Bank of Nova Scotia to meet policy gualifications.

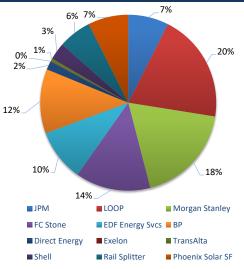
The swap agreements were approved by the Board of Trustees and executed prior to the policy. The collateral requirements for counterparties on the interest rate swaps are more risk tolerant than the System policy, however the current NTE exposure amounts are all within Policy limits.

Policy Considerations & Other Comments Exelon, BP, EDF, AEP, and Direct Energy provide recourse through Credit or Adequate Assurances provisions if reasonable grounds exist regarding unsatisfactory creditworthiness or performance. It is if a rating change triggers the policy collateral requirements.

The System and PEI policies require regular due diligence reviews of the financial strength of counterparties. It is the responsibility of the hedging transaction originator, System department or PEI, to review the related counterparties regularly in compliance with policy.







■ JPM ■ LOOP ■ Morgan Stanley ■ FC Stone ■ EDF Energy Svcs ■ BP ■ Direct Energy ■ Exelon ■ TransAlta ■ Shell ■ Rail Splitter ■ Phoenix Solar SF

									In Million				
Responsible Unit/Dept.	Counterparty	CSP Rated Entity/ Exchange	Bond Rating (S&P / Moody's)	Expires FY Range	Underlying Asset / Liability	Orig	g Contract	Current Notional / Contract	l Market Value	*MTM or NTE	System Guarantee (Credit Limit)	PCG - LOC (Credit Limit)	Counterparty Threshold (Collateral Requirements)
Financial H	ledges	(Qualifying Rating										
System Intere	st Rate Swaps		A- / A3										
SO Capital	Morgan Stanley Capital	Morgan Stanley											Rating Triggers
Financing	Services, Inc.		BBB+ / A2	1/15/2022	UIC SC 2008	\$	27.40	7.11		(0.20)			Predate Policy
SO Capital	JP Morgan Chase	JP Morgan Chase											Rating Triggers
Financing	Bank, N.A.	Bank, N.A.	A+ / Aa2	1/15/2022	UIC SC 2008	\$	26.85	6.90		(0.20)			Predate Policy
SO Capital	Loop Financial	Deutsche Bank AG											Rating Triggers
Financing	Products, I, LLC	(CSP)	BBB+ / A3	10/1/2026	HSFS 2008	\$	40.88	18.55		(2.16)			Predate Policy
	itures Contracts			SU	BTOTAL SWAPS	\$	95.13	32.55		(2.56)			
SO Utilities	INTL FCStone	InterContinental											None Exchange
Admin	Financial Inc.	Exchange (ICE)	BBB+ / A3	2021-2028	Natural Gas	\$	13.65	12.77	12.35	(0.42)			Traded
					TAL FINANCIAL	\$	108.78	45.32		(2.98)			
Physical H	•		Qualifying Rating										
PEI Energy Fo	orward Purchases	BBB-/Baa3 or	BB+/Ba1 with LO	C or PCG									
SO Utilities	BP Canada Energy	BP Corporation North											Adequate
Admin	Marketing Corp.	America, Inc. (PCG)	A- / A2	2021-2024	Natural Gas	\$	12.29	10.94	12.28	1.34	10.00	1.00	Assurance
SO Utilities	Direct Energy Business												Adequate
Admin	Marketing	Centrica (PCG)	BBB / Baa2	2021-2024	Natural Gas	\$	1.72	1.44	1.50	0.06	2.50	2.50	Assurance
SO Utilities	EDF Energy Services,	EDF Trading Limited											Adequate
Admin	LLC	(PCG)	NR / Baa2	2021-2022	Natural Gas	\$	10.92	8.86	9.40	0.54	3.00	3.00	Assurance
SO Utilities	Morgan Stanley Capital												
Admin	Group, Inc.	Morgan Stanley (PCG)	BBB+ / A2	2023-2026	Natural Gas	\$	9.39	9.39	9.34	(0.05)	5.00	Unlimited	Rating Triggers
SO Utilities	Shell Energy North	Shell Energy North											
Admin	America (US), L.P.	America (US), L.P.	A+ / A2	2023	Natural Gas	\$	2.54	2.54	2.46	(0.08)	5.00		Rating Triggers
SO Utilities	AEP Energy Partners	American Electric											
Admin	Inc.	Power Co, Inc.	A- / Baa2	2023 - 2024	Electricity	\$	0.25	0.25	0.26	0.01	0.50	0.10	Credit Assurance
SO Utilities	Exelon Generation	Exelon Generation		0004		•				(2.2.1)			
Admin	Company LLC	Company LLC	BBB / Baa2	2021	Electricity	\$	0.16	0.09	0.08	(0.01)	5.00		Credit Assurance
SO Utilities	Morgan Stanley Capital			2024 2022	Ele etricite :	•		0.50					Dation Tainana
Admin	Group, Inc.	Morgan Stanley (PCG)	BBB+ / A2	2021-2023	Electricity	\$	1.15	0.56	0.60	0.04	5.00	Unlimited	Rating Triggers
SO Utilities	TransAlta Energy	The Bank of Nova	A . / A = D	0004 0000	Ele etricite :	•		0.40	0.50	0.00	0.50	0.005	LOC
Admin SO Utilities	Marketing (US) Inc.	Scotia (LOC)	A+ / Aa2	2021 - 2022	Electricity	\$	0.54	0.48	0.50	0.02	2.50	0.025	LUC
Admin	Shell Energy North	Shell Energy North America (US), L.P.	A+ / A2	2021-2025	Electricity	\$	0.58	0.35	0.35	0.00	5.00		Rating Triggers
SO Utilities	America (US), L.P. Rail Splitter Wind Farm	()/	AT / AZ	2021-2025	Electricity	φ	0.50	0.35	0.35	0.00	5.00		Rating miggers
Admin		(LOC)	A+ / Aa3	2021-2027	Renewable	\$	5.96	5.64	4.12	(1.52)	2.50	2.50	LOC
Aumin			A / AdJ		TAL PHYSICALS	-	45.50	<u> </u>	4.12	0.35	2.50	2.50	LUC
				30610	TAL FHI SICALS	Ψ	40.00	40.04	40.03	0.30			
Solar PPAs													
UIUC Energy	Phoenix Solar South				Electricity								
Services	Farms ⁽²⁾			12/20/2025	Renewable	\$	13.76	6.85		(9.26)			
Grand Tota					GRAND TOTAL	\$	168.04	92.71		(11.90)			
*Negative termination value means the System or PEI is obligated to the counterparty (transaction is "underwater").				CP - Counterparty CSP - Credit Support Provider 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 \$64,528.60 in outstanding forward sales contracts as of 11/30/2020.

(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. Allows for unrated CP to qualify with LOC.

(4) On 10/3/19, an Exception for Urbana Solar Farm 2.0 was approved by the PEI Treasurer qualifying Northern Cardinal Solar (NCS) as CP who was assigned the PPA from Sol Systems. Also qualified Capital Dynamics Clean Energy & Infrastructure as guarantor for NCS. Exception also approved, as allowed in the PPA, any unrated successor guarantor to qualify with \$100 million in tangible net worth. Anticipate Solar Farm 2.0 to be operational by 1/31/2021 or sooner, at which time delivery of solar power will begin and included in the derivatives report.

(5) Both rating agencies have signaled a possibility for downgrade to the state's credit rating. The Capital Financing Department continues to monitor publications by the rating agencies and potential impact to the University.