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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  **Policy CP Requirements** |  |  | **Hedging Position Summary****(In Millions)** | **Notional** | **NTE** |  |  **Collateral Summary** |  |
| Reporting Requirements Met | Yes (1) (2) |  | Interest Rate Swaps | $15.73 | $ (0.59) |  | **CP Collateral Held by PEI:** |  |
| CP Rating Qualifications Met | Yes (2) (3) (4) |  | Futures Contracts, Financial | 18.02 | 12.76 |  | Rail Splitter Wind (HSBC Bank LOC) | $2,500,000 |
| Within CP NTE Limits | Yes (3) (6) |  | Forward Purchase, Physical (5) | 39.34 | 36.73 |  | TransAlta Bank (Bank Nova Scotia LOC) | $25,000 |
| Under CP Concentration Limits | Yes |  | Solar PPA (2) (4) | 20.95 | (24.37) |  | Northern Cardinal (Commonwealth Bank LOC) | $1,000,000 |
|  |  |  |  |  |  |  | Direct Energy/NRG (Deutsche Bank LOC) | $2,500,000 |
|  |  |  | **Total** | **$94.03** | **$24.53** |  | **PEI’s Collateral Held by CP:** |  |
|  |  |  |  |  |  |  | Margin Exposure on Futures | $2,030,010 |

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| Material Events Since Last Report | CP Qualification Risk Management (3) (4) | Counterparty (CP) NTE Risk Management (3) (6) |
| \*\*On 5/18/22, Loop exercised the option in the HSFS 2008 Swap agreement to put the swap back to the credit provider, Deutsche Bank. There should be no material change to the structure, language of original agreement, or rating monitored for compliance with the agreement. At 7/31/22 trade confirmation is still pending but in final discussions.\*\*PEI purchased 120,736 MMBTU's of Natural Gas Forwards for UIC from DTE totaling $778,747 for periods 11/1/22 - 3/31/23.\*\*As of 6/30/22 PEI has no position with EDF Energy Services. EDF Trading Limited is terminating the $3M parental guaranty. PEI will ensure all policy requirements are met before transacting with EDF, or terminate the NAESB and UI issued PG.  | 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 qualify CPs for physical hedges (forward purchases). This exception has been approved by the U of I System CFO in accordance with the University 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 qualifications. Direct Energy, through parent NRG, provided LOC from Deutsch Bank AG for $2.5 million. Northern Cardinal is not rated but have PCG, LOC, and approved qualification exception. (4)The System and PEI policies require regular due diligence reviews of the financial strength of CPs. It is the responsibility of the hedging transaction originator to review the related CPs regularly and ensure in compliance with policy. | 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. (3) (6)BP, DTE, EDF, AEP, and Exelon provide recourse through Credit or Adequate Assurances provisions if reasonable grounds exist regarding unsatisfactory creditworthiness or performance. It is incumbent upon PEI to monitor and request Performance Assurance if a rating change triggers the policy collateral requirements.The swap agreement was approved by the BOT and executed prior to the policy. The collateral requirements for the CP on the interest rate swap is more risk tolerant than the System policy, however the current NTE exposure amount is within Policy limits. |

Reported to the Board of Trustees

September 22, 2022

| **Responsible Unit/Dept.** | **Counterparty** | **CSPRated Entity/Exchange** | **Bond RatingS&P / Moody's** | **Expires / FY Range** | **Underlying Asset / Liability** | **Orig Contract** | **Current Notional / ContractIn Millions** | **Market ValueIn Millions** | **\*MTM or NTE (5) In Millions** | **System Guarantee (Credit Limit)In Millions** | **PCG - LOC (Credit Limit)**  | **Counterparty Threshold (Collateral Requirements)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FINANCIAL HEDGES** |  |  | **Qualifying Rating A- / A3** |  |  |  |  |  |  |  |  |   |
| **System Interest Rate Swaps** |  |  |  |  |  |  |  |  |  |  |  |   |
| SO Capital Financing | Loop Financial Products, I, LLC | Deutsche Bank AG (CSP) | A- / A2 | 10/1/2026 | HSFS 2008 | $40.88 | 15.73 |  | (0.59) |  |  | Rating Triggers Predate Policy  |
| **PEI Energy Futures Contracts** |  |  |  |  | **SUBTOTAL** | **40.88** | **15.73** |  | **(0.59)** |  |  |  |
| SO Utilities Admin | StoneX Financial Inc. | InterContinental Exchange (ICE) | A- / A3 | 2023-2028 | Natural Gas | **18.40** | 18.02 | 30.78 | 12.76 |  |  | None Exchange Traded  |
|   |   |   |   |   | **SUBTOTAL** | **59.28** | **33.75** |  | **12.17** |  |  |  |
| **PHYSICAL HEDGES**  |  | **Qualifying Rating (3)** | **BBB-/Baa3 or BB+/Ba1 with LOC or PCG** |  |  |  |  |  |  |  |  |  |
| **PEI Energy Forward Purchases** |  |  |  |  |  |  |  |  |  |  |  |  |
| SO Utilities Admin | BP Canada Energy Marketing Corp | BP Corporation North America, Inc. (PCG) | A- / A3 | 2023-2025 | Natural Gas | **14.94** | 14.32 | 28.94 | 14.62 | **10.00** | **1.00** | Adequate Assurance  |
| SO Utilities Admin | Direct Energy Business Marketing | Deutsche Bank AG, NY Branch (LOC) | A- / A2 | 2023-2024 | Natural Gas | **0.42** | 0.41 | 0.92 | 0.51 | **2.50** | **2.50** |  LOC |
| SO Utilities Admin | DTE Energy Trading, Inc. | DTE Energy Company (PCG) | BBB+ / Baa2 | 2023 | Natural Gas | **0.78** | 0.78 | 0.97 | 0.19 | **5.00** | **5.00** | Adequate Assurance  |
| SO Utilities Admin | EDF Energy Services, LLC | EDF Trading Limited (PCG) | NR / Baa3 |  | Natural Gas | **0.00** | 0.00 | 0.00 | 0.00 | **3.00** | **3.00** | Adequate Assurance  |
| SO Utilities Admin | Morgan Stanley Capital Group, Inc. | Morgan Stanley (PCG) | A- / A1 | 2023-2027 | Natural Gas | **17.14** | 17.01 | 31.66 | 14.65 | **5.00** | **Unlimited** | Rating Triggers  |
| SO Utilities Admin | Shell Energy North America (US), L.P. | Shell Energy North America (US), L.P. | A / A2 | 2023 | Natural Gas | **2.54** | 2.37 | 6.20 | 3.83 | **5.00** |  | Rating Triggers  |
| SO Utilities Admin | AEP Energy Partners Inc. | American Electric Power Co, Inc. | A- / Baa2 | 2023 - 2024 | Electricity | **0.25** | 0.23 | 0.62 | 0.39 | **0.50** | **0.10** | Credit Assurance  |
| SO Utilities Admin | Exelon Generation Co., LLC | Exelon Generation Co., LLC | BBB- / Baa2 |  | Electricity | **0.00** | 0.00 | 0.00 | 0.00 | **5.00** |  | Credit Assurance  |
| SO Utilities Admin | Morgan Stanley Capital Group, Inc. | Morgan Stanley (PCG) | A- / A1 | 2023 | Electricity | **0.07** | 0.05 | 0.21 | 0.16 | **5.00** | **Unlimited** | Rating Triggers  |
| SO Utilities Admin | TransAlta Energy Marketing (US) Inc. | The Bank of Nova Scotia (LOC) | A+ / Aa2 |  | Electricity | **0.00** | 0.00 | 0.00 | 0.00 | **2.50** | **0.025** | LOC  |
| SO Utilities Admin | Shell Energy North America (US), L.P. | Shell Energy North America (US), L.P. | A / A2 | 2023-2025 | Electricity | **0.18** | 0.17 | 0.36 | 0.19 | **5.00** |  | Rating Triggers  |
| SO Utilities Admin | Rail Splitter Wind Farm LLC | HSBC Bank USA, (LOC) | A+ / Aa3 | 2023-2027 | Electricity Renewable | **4.04** | 4.00 | 6.19 | 2.19 | **2.50** | **2.50** | LOC  |
|   |   |   |   |  | **SUBTOTAL** | **40.36** | **39.34** | **76.07** | **36.73** |  |  |  |
| **Solar PPAs** |  |   |   |  |  |  |  |  |  |  |  |  |
| UIUC Energy Services - SF1 | Phoenix Solar South Farms (2) |  |  | 12/20/2025 | Electricity Renewable | **13.76** | 4.66 |  | (5.67) |  |  |  |
| SO Utilities Admin - SF2 | Northern Cardinal Solar SCS IL 1, LLC (4) | Commonwealth Bank of Australia (LOC)CD Clean Energy and Infrastructure (PCG) | AA- / Aa2NR NR | 2/2021 - 2/2041 | Electricity Renewable | **16.84** | **16.29** |  | (18.70) | **22.20** | **4.00** | LOC, $1M  |
|   |  |  |  |  | **SUBTOTAL** | **$30.60** | **20.95** |  | **(24.37)** |  |  |  |
| **Grand Total** |   |   |   |   | **GRAND TOTAL** | **$130.24** | **94.03** |  | **24.53** |  |  |  |

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| If negative termination value, the System  | CP - Counterparty | NTE - Net Termination Exposure | PPA - Power Purchase Agreement |
| or PEI is obligated to the CP. | CSP - Credit Support Provider | PCG - Parental Company Guarantee | SO - System Offices |
| (transaction is "underwater"). | DUP - Derivatives Use Policy | PEI - Prairieland Energy Inc. | WR - Withdrawn Rating |
|  | LOC - Letter of Credit |  |  |

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| **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 $223,857.76 in outstanding forward sales contracts as of 07/31/2022. |
| 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 CP 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 are favorable to current market prices. Natural gas market prices are higher due to an increase in demand, global impacts, and gas storage at 13% below the 5-year average. Electricity prices are higher due to an increase in demand, and generation costs from higher natural gas prices and other input fuel costs. |
| (6) Exposure to a CP is determined by the NTE value net of collateral and limited based on CP credit rating. **The PEI policy accepts $10M exposure on BBB/Baa category** 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. Increased market prices on energy commodities have resulted in several "in the money" or positive NTE values. Those CPs in the BBB/Baa category that exceed the University policy exposure limit but are still within the PEI limit include AEP $0.44M and DTE $0.39M. |