

**IN THE MATTER OF THE APPLICATION OF PSEG NUCLEAR, LLC FOR THE ZERO  
EMISSION CERTIFICATE PROGRAM – HOPE CREEK  
DOCKET NO. ER20080559**

**APPLICATION INDEX**

SECTION #	DESCRIPTION	DATED
	Cover Letter	10/01/2020
	<b><u>I. Generation Applicant Information</u></b>	
HC-GAI-1	Application	10/01/2020
	<b><u>II. Generation Asset Information and Operation</u></b>	
HC-GAIO-1	Unit vintage and year applicant Unit was commissioned.	10/01/2020
HC-GAIO-2	Total number of reactor units housed at the Unit.	10/01/2020
HC-GAIO-3	Total Unit capacity/total Unit size per PJM rules (MW).	10/01/2020
HC-GAIO-4	Description of the ownership of the Unit and/or statutory authority of the applicant.	10/01/2020
HC-GAIO-5	Certification that all equipment located at or servicing the nuclear power Unit are as stringent as the standards and emission limits in N.J.A.C. 7:27 et seq.  Attachments: HC-GAIO_0005_HopeCreekTitleVCertification.pdf	10/01/2020
HC-GAIO-6	A certified copy of the Unit's federal operating license demonstrating that the Unit is licensed to operate through 2030 or later.  Attachments: HC-GAIO_0006_HC_FOL.pdf	10/01/2020
HC-GAIO-7	Annual average energy produced by the Unit over each of the past ten (10) energy years and projected annual generation for the next five (5) energy years (MWh).  Attachments: HC-GAIO_0007_UnitGeneration-CONFIDENTIAL.xlsx	10/01/2020
HC-GAIO-8	Annual average capacity and generation provided by the Unit into the energy and capacity markets over the past ten (10) energy years and projected annual capacity and generation for the next five (5) energy years (MW & MWh).  Attachments: HC-GAIO_0008_8Additional-CONFIDENTIAL.pdf HC-GAIO_0008_8Reply7 - CONFIDENTIAL.xlsx	10/01/2020

HC-GAIO-9	<p>A list of the incidents, by hours, over the past ten (10) years when an energy bid from the Unit was not accepted into PJM markets. Be prepared to provide documentation upon request.</p> <p>Attachments:  HC-GAIO_0009_Nuclear Outages Jun 2010 - May 2020 - CONFIDENTIAL.xlsx</p>	10/01/2020
HC-GAIO-10	<p>Explanation of whether receipt of the ZECs will have any impact on the Unit's participation in the wholesale markets. If so, how? (Response must be both quantitative and qualitative and include discussion of anticipated impact on the BGS auction and a comparison of costs and benefits.) For Units currently receiving ZECs, explain and show how receipt has impacted the Unit's participation in wholesale markets.</p> <p>Attachments:  HC-GAIO_0010_HC-Brattle 2017 Report.pdf</p>	10/01/2020
HC-GAIO-11	<p>Total annual Unit run-time over the past ten (10) years (hours). Please provide full-year hours online and explain any significant deviation from the five-year average of hours online.</p> <p>a. Identify all maintenance and refueling outages on an energy year basis over the past ten (10) years (hours).</p> <p>Attachments:  HC-GAIO_0011_11a - Nuclear Outages Jun 2010 - May 2020 - CONFIDENTIAL.xlsx  HC-GAIO_0011_Run Time by Energy Year - CONFIDENTIAL.xlsx</p>	10/01/2020
HC-GAIO-12	<p>All planned maintenance and refueling outages for the Unit over the next five (5) years.</p> <p>Attachments:  HC-GAIO_0012_Outage Schedule_HC_Confidential.xlsx</p>	10/01/2020
HC-GAIO-13	<p>Plant personnel count for application year and ten (10) years previous (annual).</p> <p>Attachments:  HC-GAIO_0013_Headcount_HC.xlsx</p>	10/01/2020

	<b><u>III. Zero Emission Credit Justification - Financial</u></b>	
	<b>General</b>	
HC-ZECJ-FIN-1	<p>Current net book value of the Unit at the time of application. Explain how the initial book value was determined and provide annual year-end gross and net book values through 2019.</p> <p>Attachments:            HC-ZECJ-FIN_0001_NBV 2000-2020 All Units CONFIDENTIAL.xls            HC-ZECJ-FIN_0001_NBV as of 06-30-2020 - Hope Creek - CONFIDENTIAL.xls</p>	10/01/2020
HC-ZECJ-FIN-2	<p>Provide current and historical financial statements conducted by the Unit's owner/operator for each Unit for the past ten (10) years and the next five (5) years, including supporting workbooks and input assumptions. Include line items for:</p> <ol style="list-style-type: none"> <li>Energy revenues</li> <li>Capacity revenues</li> <li>Variable operation and maintenance expenses</li> <li>Fixed operation and maintenance expenses</li> <li>Overhead and other non-operating expenses</li> <li>Capital expenditures</li> <li>Cost of capital</li> <li>Cost of operational and market risks</li> </ol> <p>Attachments:            HC-ZECJ-FIN_0002_2Definitions-CONFIDENTIAL.pdf            HC-ZECJ-FIN_0002_2Answer HC-CONFIDENTIAL.xlsx</p>	10/01/2020
HC-ZECJ-FIN-3	<p>Provide any internal analyses or presentations of past or projected financial performance of the Unit.</p> <p>Attachments:            HC-ZECJ-FIN_0003_Pres Response part 1 ZEC1 HC-SSA-0023 - ATTACHMENT - CONFIDENTIAL.pdf            HC-ZECJ-FIN_0003_Pres response_Summary_Confidential.pdf            HC-ZECJ-FIN_0003_Pres Response part 2 Confidential.pdf            HC-ZECJ-FIN_0003_Pres response 3a_9 Nuclear Decommissioning Plan Confidential.pdf            HC-ZECJ-FIN_0003_Pres response 3c_8.1 Nuclear ZEC FilingResolution Draft 09042020 Confidential.pdf            HC-ZECJ-FIN_0003_Pres response 3b_9.1 bd december 2018 slides resolution final Confidential.pdf</p>	10/01/2020
HC-ZECJ-FIN-4	<p>Provide a list of federal forms SEC 10-K, 10-Q, and other documents provided to the Securities and Exchange Commission</p>	10/01/2020

	<p>(“SEC”) for the past ten (10) years; list and highlight references to the applicant Unit.</p> <p>Attachments:  HC-ZECJ-FIN_0004_Listing of SEC Filings_2010to2020.xlsx</p>	
HC-ZECJ-FIN-5	<p>Shareholder payout over the past ten (10) years attributed to the Unit and operator.</p> <p>Attachments:  HC-ZECJ-FIN_0005_5Answer-HC-Confidential.xlsx</p>	10/01/2020
	<b>Costs</b>	
HC-ZECJ-FIN-6	<p>Provide certified costs over the past ten (10) energy years, including, but not limited to: operation and maintenance expenses; fuel expenses; spent fuel expenditures; non-fuel capital expenditures; long-term fuel storage costs; other capital costs, including uranium fuel pricing for the Unit; and all overhead costs, including any overhead costs allocated to or from other entities outside the direct plant operations.</p> <p>Attachments:  HC-ZECJ-FIN_0006_6-10-yrOMand Capital7-CONFIDENTIAL.xlsx  HC-ZECJ-FIN_0006_10-yrOMand Capital-writeup.pdf  HC-ZECJ-FIN_0006_HC- T. Pellegrin - Certification.pdf</p>	10/01/2020
HC-ZECJ-FIN-7	<p>Provide certified cost projections over the next five (5) energy years, including all inputs and adjustments. Cost projections should include but may not be limited to: operation and maintenance expenses; investments; fuel expenses; spent fuel expenditures; non-fuel capital expenditures; long-term fuel storage costs; other capital costs, including uranium fuel pricing for the Unit; all other expenses, including, but not limited to, fully allocated overhead costs; and the projected costs of operational and market risks. Provide supporting documentation.</p> <p>Attachments:  HC-ZECJ-FIN_0007_HC- T. Pellegrin - Certification.pdf  HC-ZECJ-FIN_0007_7Answer-all units-CONFIDENTIAL.xlsx  HC-ZECJ-FIN_0007_7Definitions-CONFIDENTIAL.pdf</p>	10/01/2020
HC-ZECJ-FIN-8	<p>Provide current cost of capital, as well as required cost of capital for each of the next five (5) years, plus a detailed accounting of how the cost of capital was determined.</p> <p>Attachments:  HC-ZECJ-FIN_0008_Cost of Capital response 200922 - CONFIDENTIAL.doc</p>	10/01/2020

	<b>Revenues/Income</b>	
HC-ZECJ-FIN-9	Identify and describe any obligations/commitments under which the Unit has operated in the past ten (10) years and/or currently operates regarding the current New Jersey Basic Generation Service (“BGS”) and any PJM markets, including any Reliability Must Run contracts, the duration of such obligations and/or commitments, and supporting documentation and calculations.	10/01/2020
HC-ZECJ-FIN-10	Provide a list of all active and anticipated contracts for capacity and/or energy supply by the Unit outside of the BGS and PJM markets. Include capacity and/or energy contracted, type of market, length of obligation, and customer. Be prepared to provide documentation upon request.	10/01/2020
HC-ZECJ-FIN-11	Provide the annual average Unit bid price in the annual Base Residual Auction (“BRA”) over the past ten (10) years (\$/MW), including all capacity auction bids by year, as well as any cost data submitted to PJM and the PJM Independent Market Monitor as part of a unit-specific review process.  Attachments: HC-ZECJ-FIN_0011_2020 ZECJ-Fin-11 - CONFIDENTIAL.xlsx HC-ZECJ-FIN_0011_Unit bid price in BRA - CONFIDENTIAL.pdf HC-ZECJ-FIN_0011_Hope Creek ACR Final - CONFIDENTIAL.xlsx	10/01/2020
HC-ZECJ-FIN-12	Provide a list of historical revenues received by the Unit over the past ten (10) years, including, but not limited to, capacity and energy payments received from PJM, revenues from hedges, and ancillary revenues. Indicate all revenue sources.  Attachments: HC-ZECJ-FIN_0012_Hope Creek 10yr Historical Revenue_Final - Confidential.xlsx	10/01/2020
HC-ZECJ-FIN-13	Provide all revenue projections with accompanying revenue sources over the next five (5) years, including, but not limited to, revenues related to: a. Unit-specific hedges to mitigate market exposure of the Unit; b. Capacity market revenues at the locational clearing price for the Unit in the Base Residual Auction regardless of whether the Unit cleared in the PJM capacity market auction; c. Energy market revenues, including relevant underlying fuel price forecasts and relevant PJM forward power market curves; and d. Contracts outside the PJM markets.  Attachments: HC-ZECJ-FIN_0013_Part A - CONFIDENTIAL.pdf HC-ZECJ-FIN_0013_Parts13andBC.pdf HC-ZECJ-FIN_0013_Parts13andBC13-CONFIDENTIAL.pdf	10/01/2020

HC-ZECJ-FIN-14	<p>Please state all of the assumptions used in the revenue projections.</p> <ol style="list-style-type: none"> <li>Include forecasts of locational PJM capacity and energy market prices for the Unit.</li> <li>Include and itemize expected revenues from PJM capacity and energy markets, ancillary services markets, and reserves markets.</li> <li>Show the underlying load forecasts and forecasts of the entry and exit of resources in the PJM market.</li> <li>Explain how forecast revenues account for the impact of the Federal Energy Regulatory Commission’s (“FERC’s”) decision on PJM’s Operating Reserve Demand Curve proposal.</li> <li>Account for and explain changed capacity revenue expected to result from the FERC capacity market Minimum Offer Price Rule decisions on State Subsidies.</li> <li>Include all citations and worksheets used for the calculations in Excel form.</li> <li>Be prepared to provide additional documentation upon request.</li> </ol> <p>Attachments:  HC-ZECJ-FIN_0014_Parts14andABC-CONFIDENTIAL.xlsx</p>	10/01/2020
HC-ZECJ-FIN-15	<p>Provide a certification that the nuclear power Unit does not receive any direct or indirect payment or credit under a law, rule, regulation, order, tariff, or other action of this State or any other state, or a federal law, rule, regulation, order, tariff, or other action, or a regional compact, despite its reasonable best efforts to obtain any such payment or credit, for its fuel diversity, resilience, air quality, or other environmental attributes that will eliminate the need for the nuclear power plant to retire.</p> <p>Attachments:  HC-ZECJ-FIN_0015_HC - D. Forester Certification.pdf</p>	10/01/2020
HC-ZECJ-FIN-16	<p>Provide a detailed list and description of any subsidies or grants <i>received</i> for the Unit from federal sources, state sources, or other governmental agency for the applicant Unit in the past ten (10) years. Include the monetary amount received, exemptions for capacity bidding, and/or tax incentives. Be prepared to provide documentation upon request.</p>	10/01/2020
HC-ZECJ-FIN-17	<p>Provide a list and description of any subsidies or grants <i>anticipated</i> for the Unit from federal sources, state sources, or any other governmental agency for the applicant Unit. Include the monetary amount received, exemptions for capacity bidding, and/or tax incentives. Be prepared to provide documentation upon request.</p>	10/01/2020

	<b>Risks</b>	
HC-ZECJ-FIN-18	<p>Provide estimated costs of operational risks and market risks for the Unit:</p> <p>a. Provide a detailed explanation, including supporting workbooks, of how the costs of operational risks and market risks were calculated for energy years 2023–2025; and</p> <p>b. Explain how the cost of operational risks and market risks would be avoided by ceasing operations.</p> <p>c. Previous ZEC recipients should provide an update of the costs of operational and market risks.</p> <p>Attachments:            HC-ZECJ-FIN_0018_ZECJ-FIN-18 Hope Creek Cost of Market Risks Methodology - CONFIDENTIAL.pdf            HC-ZECJ-FIN_0018_ZECJ-FIN-18_response - CONFIDENTIAL.pdf            HC-ZECJ-FIN_0018_ZECJ-FIN-18 - Hedging Percentages - CONFIDENTIAL.xlsx</p>	10/01/2020
HC-ZECJ-FIN-19	<p>Provide the estimated risk-adjusted cost of capital for the Unit:</p> <p>a. Provide a detailed explanation, including supporting workbooks, of how the risk-adjusted cost of capital was calculated for energy years 2023–2025; and</p> <p>b. Provide the methodology used to determine the risk-adjusted cost of capital, along with supporting documentation and industry benchmarks it deems appropriate, and juxtapose this against the original cost of capital.</p> <p>Attachments:            HC-ZECJ-FIN_0019_Cost of Capital response 200922-CONFIDENTIAL.pdf</p>	10/01/2020
HC-ZECJ-FIN-20	<p>For Units that participated in the initial eligibility period, to the extent that the applicant has made any changes in the methodology or results related to calculating either (a) the costs of operational risks and market risks or (b) the risk-adjusted cost of capital, please provide an explanation of those changes.</p>	10/01/2020
	<b>Cash Flow Analysis</b>	
HC-ZECJ-FIN-21	<p>Provide all presentations, transcripts, and similar information made by the applicant to investors, equity analysts, and rating agencies for the past ten (10) years regarding the Unit.</p> <p>Attachments:            567 Attachments -7 Confidential</p>	10/01/2020

HC-ZECJ-FIN-22	<p>For Units that participated in the initial eligibility period, provide a comparison analysis of projected cash flows at the time of the last application vs. the actual cash flows for the time the Unit received ZECs. Include in this analysis an explanation of the extent to which the costs of market and operational risks anticipated in the initial eligibility period were actually incurred or not incurred and, if incurred, how these costs impacted cash flow metrics. Provide all backup documentation.</p> <p>Attachments:  HC-ZECJ-FIN_0022_HC comparison to prior application - CONFIDENTIAL.pdf</p>	10/01/2020
HC-ZECJ-FIN-23	<p>Provide an explanation of whether the applicant has reported (a) the costs of operational and market risks or (b) the risk-adjusted cost of capital in any of the applicant’s audited financial statements in the past ten (10) years. If so, provide the applicable financial statements</p>	10/01/2020
HC-ZECJ-FIN-24	<p>Provide projected earnings over the next five (5) years and explain assumptions used in the projection, including regarding taxes, depreciation, interest, and any other relevant values.</p> <p>Attachments:  HC-ZECJ-FIN_0024_24Answer-HC2-CONFIDENTIAL.xlsx  HC-ZECJ-FIN_0024_Projected Earnings.pdf</p>	10/01/2020
HC-ZECJ-FIN-25	<p>Provide a projection of subsidy requirements (\$/year) by Unit and MWh produced, in each of the next five (5) years, to maintain minimum revenue requirements required to fully cover all costs. Provide scenarios including and excluding either (a) the costs of operational and market risks or (b) the risk-adjusted cost of capital.</p> <p>Attachments:  HC-ZECJ-FIN_0025_25Definitions-CONFIDENTIAL.pdf  HC-ZECJ-FIN_0025_25Answer-All7a-CONFIDENTIAL.xlsx</p>	10/01/2020
HC-ZECJ-FIN-26	<p>Provide any analyses that estimate the total net benefit (after costs) of entering into unit- specific hedges for each year from 2017–2021.</p> <p>Attachments:  HC-ZECJ-FIN_0026_Question FIN26 - CONFIDENTIAL.pdf</p>	10/01/2020
	<p><b><u>IV. Zero Emission Credit Justification - Environmental</u></b></p>	
HC-ZECJ-ENV-1	<p>Provide an explanation, including any studies and relevant data, related to how the Unit makes a significant and material contribution to air quality in New Jersey by minimizing harmful emissions that (a) result from electricity consumed in New Jersey or (b) adversely affect the citizens of New Jersey, and an explanation as to how a retirement would significantly and negatively impact New Jersey’s ability to</p>	10/01/2020



	<p>comply with State air emissions reduction requirements. Include air dispersion modeling results and supporting files.</p> <p>Attachments:  HC-ZECJ-  ENV_0001_NOX_ann_data_new_ptnonipm_Typi_hope.csv  HC-ZECJ-  ENV_0001_NOX_ann_data_new_ptnonipm_HEDD_bc.csv  HC-ZECJ-ENV_0001_ZEC Application Air Emissions Impact - Hope Creek 09242020.pdf  HC-ZECJ-  ENV_0001_NOX_ann_data_new_ptnonipm_HEDD_hope.csv  HC-ZECJ-ENV_0001_PA - PSEG - Nuclear Retirement Report_9-25-2020.pdf  HC-ZECJ-ENV_0001_NOX_ann_data_new_ptnonipm_Typi_bc.csv  HC-ZECJ-ENV_0001_PA - PSEG - Monthly Fuel Burn and Generation Results_09-15-2020.xlsx  HC-ZECJ-ENV_0001_PA - PSEG - Hope Creek Retirement Emissions Results_09-15-2020.xlsx  HC-ZECJ-ENV_0001_PA - PSEG - All Three Nuclear Retirements Emissions Results_09-15-2020.xlsx  HC-ZECJ-ENV_0001_PA - PSEG - Base Case Emissions Results_09-15-2020.xlsx  HC-ZECJ-ENV_0001_FINAL ERM PSEG Nuclear Ozone Report 23Sep2020.pdf  HC-ZECJ-ENV_0001_FINAL ERM PSEG Nuclear GHG Report 09-21-2020.pdf  HC-ZECJ-ENV_0001_NOX_ann_data_new_ptnonipm_Typi_all.csv  HC-ZECJ-  ENV_0001_NOX_ann_data_new_ptnonipm_HEDD_all.csv</p>	
<p>HC-ZECJ-ENV-2</p>	<p>Provide a detailed description, including any studies and relevant data, of the greenhouse gas (“GHG”) emissions avoided by this Unit’s operation ten (10) years prior to and projected five (5) years beyond the application date. Identify the emission sources that will be displaced by continued operation of the Unit.</p> <p>Attachments:  HC-ZECJ-ENV_0002_PA - PSEG - Nuclear Retirement Report_9-25-2020.pdf  HC-ZECJ-ENV_0002_PA - PSEG - Monthly Fuel Burn and Generation Results_09-15-2020.xlsx  HC-ZECJ-ENV_0002_ZEC Application GWRA - Hope Creek 09242020.pdf  HC-ZECJ-ENV_0002_PA - PSEG - Hope Creek Retirement Emissions Results_09-15-2020.xlsx</p>	<p>10/01/2020</p>

	<p>HC-ZECJ-ENV_0002_PA - PSEG - Base Case Emissions Results_09-15-2020.xlsx</p> <p>HC-ZECJ-ENV_0002_PA - PSEG - All Three Nuclear Retirements Emissions Results_09-15-2020.xlsx</p> <p>HC-ZECJ-ENV_0002_FINAL ERM PSEG Nuclear GHG Report 09-21-2020.pdf</p>	
HC-ZECJ-ENV-3	<p>If applicable, discuss how the Unit’s production of electricity generation will support the BPU’s Renewable Portfolio Standards (“RPS”) requirements, State of New Jersey Energy Master Plan goals, and cost-effective transition to a carbon-neutral supply.</p>	10/01/2020
HC-ZECJ-ENV-4	<p>Project what generation assets would fulfill the State of New Jersey’s capacity and energy requirements if the Unit were to shut down. Include consideration of future federal and New Jersey energy policies, including, but not limited to, offshore wind, solar, electrification, energy efficiency, and future load forecasts. Include assumptions, supporting data, and source information for this analysis.</p> <p>a. If the retirement of the Unit is projected to increase in-state greenhouse gas emissions from New Jersey generators, provide a breakdown in MWh of the projected replacement generation (presented separately for each type of generation) and a breakdown in million metric tons of the projected increased emissions.</p> <p>Attachments:  HC-ZECJ-ENV_0004_New Assets-Confidential.xlsx  HC-ZECJ-ENV_0004_PA - PSEG - Monthly Fuel Burn and Generation Results-CONFIDENTIAL.xlsx  HC-ZECJ-ENV_0004_PA - PSEG - Nuclear Retirement Report_9-25-2020.pdf</p>	10/01/2020
HC-ZECJ-ENV-5	<p>Provide a list of all submissions of data and documentation provided by the applicant and related to the Unit and its surrounding property to the U.S. Environmental Protection Agency (“EPA”), including permits, permit violations, enforcement actions, outstanding environmental compliance requirements, and remedial actions planned, ongoing, and completed over the past ten (10) years to demonstrate that all standards and requirements are being met. Be prepared to provide documentation upon request.</p> <p>Attachments:  HC-ZECJ-ENV_0005_List of Documents to EPA - Hope Creek 09222020.xlsx</p>	10/01/2020

HC-ZECJ-ENV-6	<p>Provide a list of all submissions of data and documentation provided by the applicant and related to the Unit and its surrounding property to the New Jersey Department of Environmental Protection (“NJDEP”), including permits, permit violations, enforcement actions, outstanding environmental compliance requirements, and remedial actions planned, ongoing, and completed over the past ten (10) years to demonstrate that all standards and requirements are being met. Be prepared to provide documentation upon request.</p> <p>Attachments:  HC-ZECJ-ENV_0006_List of Documents to NJDEP - Hope Creek.xlsx</p>	10/01/2020
HC-ZECJ-ENV-7	<p>Describe the practices of the Unit regarding nuclear waste disposal and storage. Also describe the Unit’s remaining on-site capacity for dry storage and include a relevant schedule of license or permit renewals.</p>	10/01/2020
<b><u>V. Impact of the Unit’s Deactivation</u></b>		
HC-IUD-1	<p>Indicate the remaining useful life of the generating Unit.</p>	10/01/2020
HC-IUD-2	<p>Provide information on any planned license extension requests for the Unit, including any financial modeling done in association with such planning.</p>	10/01/2020
HC-IUD-3	<p>Estimate the costs that would be incurred by the applicant to shut down the Unit. What costs would be funded by the Unit’s decommissioning funds, and what costs would be funded by the applicant?</p> <p>Attachments:  HC-IUD_0003_Shutdown Impact by unit- 2020 - CONFIDENTIAL.xlsx  HC-IUD_0003_Hope Creek Report - Final CONFIDENTIAL.pdf  HC-IUD_0003_HC Early Shutdown - Final CONFIDENTIAL.pdf</p>	10/01/2020
HC-IUD-4	<p>Demonstrate the impact on ownership and applicant’s earnings during each of the next five (5) years, assuming that the Unit shuts down. Include any financial impact(s) to the parent organization.</p> <p>Attachments:  HC-IUD_0004_Impacts of Shutdown HC 09232020 CONFIDENTIAL.pdf  HC-IUD_0004_Impacts of Shutdown 09232020 CONFIDENTIAL.xlsx  HC-IUD_0004_Hope Creek Shutdown impact CONFIDENTIAL.pdf</p>	10/01/2020
HC-IUD-5	<p>Explain the avoided costs to the applicant if the Unit is deactivated. Please include the costs associated with fuel, salary, O&amp;M, capital improvement projects, permitting, and the costs of all other relevant factors involved. Provide backup documentation.</p>	10/01/2020

	<p>Attachments:  HC-IUD_0005_Discussion of Allocations CONFIDENTIAL.pdf  HC-IUD_0005_HC Avoidable CONFIDENTIAL.xlsx  HC-IUD_0005_Avoidable cost analysis-CONFIDENTIAL.xlsx</p>	
HC-IUD-6	<p>Provide results from internal or commissioned dispatch modeling of the impact of the Unit’s retirement scenarios.</p> <ul style="list-style-type: none"> <li>• Include all assessments of avoided emissions, based on differential (with and without each Unit claimed for ZECs) scenario modeling</li> <li>• Include all work papers and modeling inputs and outputs</li> <li>• If no such modeling has been conducted, include an explanation and computation of avoided emissions from retention of the Unit.</li> </ul> <p>Attachments:  HC-IUD_0006_PA - PSEG - Nuclear Retirement Report_9-25-2020.pdf</p>	10/01/2020
HC-IUD-7	<p>Describe the status of decommissioning funds for the Unit as of the date of the application, include decommissioning status reports filed with the Nuclear Regulatory Commission (“NRC”), and identify any shortfall of decommissioning funds resulting from early retirement of the Unit.</p> <p>Attachments:  HC-IUD_0007_Response to SI-SII-HC IUD-007 Confidential.pdf  HC-IUD_0007_PSEG FERC Decommissioning Funds report - 2019.pdf  HC-IUD_0007_LR-N19-0014_Decom Fund for Reactors and ISFSIs.pdf</p>	10/01/2020
	<b><u>VI. Supplemental Submissions with the Application</u></b>	
HC-SSA-1	<p>A certification that the nuclear power generation Unit will cease operations within three (3) years unless the nuclear power plant experiences a material financial change. This certification must specify the necessary steps required to cease the nuclear power plant’s operations. Also:</p> <ol style="list-style-type: none"> <li>a. Identify and describe all of the applicant’s commitments and obligations to the NRC that would be required in advance of a unit shutdown.</li> <li>b. Indicate the earliest date that the applicant could access decommissioning trust funds for the Unit.</li> <li>c. Indicate the earliest date that the applicant could realistically shut down the Unit per NRC, PJM, or other commitments and obligations.</li> </ol>	10/01/2020

	<p>Attachments:  HC-SSA_0001_Certification - HC-SSA-0001.pdf  HC-SSA_0001_Attachment A - 2020.09.08_Nuclear Written Consent_ZEC.pdf  HC-SSA_0001_Attachment B - 2020.09.15_ZEC Filing Enterprise BOD Resolution.pdf  HC-SSA_0001_Attachment C - 2020.09.08_Power Written Consent_ZEC.pdf  HC-SSA_0001_Attachment D for SSA-1.pdf</p>	
HC-SSA-2	<p>A spreadsheet showing the estimated average rate impacts of the applicant Unit receiving ZECs to New Jersey customers across all rate classes.</p> <p>Attachments:  HC-SSA_0002_ZEC Rate Class Impacts final.xlsx</p>	10/01/2020
HC-SSA-3	<p>Explanation of how receipt of the ZECs will not lead to New Jersey ratepayers “double paying” for capacity, i.e., 1) paying ZEC-eligible Units for the environmental attributes while 2) not retaining the benefit of their capacity requirement, and therefore paying other units to fulfill New Jersey’s PJM capacity commitment.</p>	10/01/2020
HC-SSA-4	<p>Documentation and analysis on the impact on the Unit of FERC’s Minimum Offer Price Rule decisions on State Subsidies.</p> <p>Attachments:  HC-SSA_0004_Nuc_Default_offer_floor_calcs - CONFIDENTIAL.xlsx</p>	10/01/2020
HC-SSA-5	<p>Comparison of the expected benefits of a Fixed Resource Requirement scenario with the expected benefits of ZECs.</p>	10/01/2020
HC-SSA-6	<p>A list of all data provided by the Applicant and related to the Unit to the FERC and NRC over the past ten (10) years. Be prepared to provide documentation upon request.</p> <p>Attachments:  HC-SSA_0006_Hope_Creek_FERC.xlsx</p>	10/01/2020
HC-SSA-7	<p>A list of all filings or submissions by the applicant relating to the Unit with the NRC over the past ten (10) years, including relating to all currently applicable or pending NRC approvals (i.e., plant expansions, site approvals, licenses, etc.). Be prepared to provide documentation upon request.</p>	10/01/2020
HC-SSA-8	<p>A list of any NRC enforcement or legal actions taken or filed against the Unit from ten (10) years prior to the application to present. Be prepared to provide documentation upon request.</p>	10/01/2020

HC-SSA-9	<p>An updated version of the data specific to the Unit provided to the Nuclear Energy Institute (“NEI”) and the Electric Utility Cost Group (“EUCG”) when responding to their latest survey.</p> <p>Attachments:  HC-SSA_0009_2019 EUCG HC_Confidential.pdf</p>	10/01/2020
HC-SSA-10	<p>A list of all audits performed by internal employees, commissioned, or performed by any governmental agency on the Unit over the past ten (10) years. Be prepared to provide documents upon request.</p> <p>Attachments:  HC-SSA_0010_Attachment Hope Creek ZEC Nuclear Oversight Audits.pdf  HC-SSA_0010_NERC Audits_NUC_08-20-2020.pdf  HC-SSA_0010_Internal Audits.pdf  HC-SSA_0010_Hope Creek NRC Inspections.pdf  HC-SSA_0010_Environmental.xls</p>	10/01/2020
HC-SSA-11	<p>Certification of accuracy of application by applicant Company Officer.</p> <p>Attachments:  HC-SSA_0011_Certification - HC-SSA-0011.pdf</p>	10/01/2020