

Via DelaFile

Ms. Donna Nickerson
Secretary
Delaware Public Service Commission
861 Silver Lake Blvd., Suite 100
Dover, DE 19904

Re: Delmarva Power 2023 Infrastructure, Safety and Reliability Plan

Dear Ms. Nickerson:

Attached, for filing with the Commission, is the Delmarva Power 2023-2027 Proposed Infrastructure, Safety, and Reliability Plan. This report is filed in compliance with the Gas Service Reliability and Quality Standards, published at 26 Del. Admin. C. § 8003.6.

Certain attachments hereto are submitted pursuant to the provisions of 26 Del. Admin. C. 1001 § 1.11. I hereby attest pursuant to the provisions of Section 1.11.1 that the information designated as confidential is not subject to inspection by either the public or by other parties unless an appropriate proprietary agreement has been executed.

Please contact me at brian.jordan@exeloncorp.com or Diane Goff at diane.goff@pepcoholdings.com with any questions relating to this matter.

Respectfully submitted,

/s/ Brian T.N. Jordan

Brian T. N. Jordan

Encs.

STATE OF DELAWARE

Delaware Public Service Commission

Natural Gas Service Reliability and System Planning Standards

Delmarva Power Report – 2023-2027 Infrastructure, Safety and Reliability Plan

As stated in Delaware Public Service Commission (“Commission”) Regulation 8003 (26 *Del. Admin. C.* § 8003), by April 30 of each year, starting April 30, 2021, each gas distribution company (“GDC”) shall submit an Infrastructure, Safety and Reliability (“ISR”) Plan as discussed in Section 6.0, and the GDC shall file the plan with the Commission no later than 120 days thereafter.

Table of Contents

1.0 REGULATIONS	2
2.0 BACKGROUND	4
3.0 ANNUAL BUDGET SUPPORT	5
INVESTMENT PLAN DEVELOPMENT OVERVIEW	5
TABLE 1: 2023-2027 BUDGET SUMMARY.....	6
PROJECT REVIEW, JUSTIFICATION AND AUTHORIZATION PROCESS.....	7
ESTIMATED COST OF PLANT IN SERVICE AND COST OF REMOVAL	8
4.0 MANDATORY 6.1.1	9
NEW BUSINESS – CUSTOMER REQUIREMENTS	9
TABLE 2: PROJECTED MSTG INITIATIVES	10
PLANNED PROJECTS \$1 MILLION OR GREATER.....	10
FACILITY RELOCATIONS	11
PLANNED PROJECTS \$1 MILLION OR GREATER.....	12
REQUIRED STATUTORY AND REGULATORY REQUIREMENTS	12
RELIABILITY – EMERGENCY FAILURES/SYSTEM IMPROVEMENTS	13
INFRASTRUCTURE REPLACEMENT PROGRAMS.....	13
PLANNED PROJECTS \$1 MILLION OR GREATER.....	14
5.0 NON-MANDATORY 6.1.2	15
SUPPLY/CAPACITY/LOAD/SYSTEM PRESSURE	15
PLANNED PROJECTS \$1 MILLION OR GREATER.....	16
ASSET CONDITION.....	16
OTHER RELIABILITY (LNG, REGULATOR STATION UPGRADES).....	17
PLANNED PROJECTS \$1 MILLION OR GREATER.....	17
APPENDIX	19
APPENDIX A: DELMARVA POWER PIPELINE SYSTEM CHARACTERISTICS.....	20
APPENDIX B: ISR PLAN ARRANGEMENT	21
APPENDIX C: INITIATIVES EXCEEDING \$1 MILLION (MANDATORY AND NON-MANDATORY)	22
APPENDIX D: FORECASTED BUDGET (MANDATORY AND NON-MANDATORY)	23
APPENDIX E: DELMARVA POWER GAS ENGINEERING – WORK TRACKING, HIGHWAY RELOCATIONS.....	25
APPENDIX F: CAPACITY EXPANSION PROJECTS	26
ENDNOTES	28
ATTACHMENTS	31
ATTACHMENT 1 CONFIDENTIAL: CAST IRON RENEWAL PROJECTS.....	32
ATTACHMENT 2 CONFIDENTIAL: CAPACITY EXPANSION PROJECTS	32
ATTACHMENT 3 CONFIDENTIAL: CONFIDENTIAL: CAPACITY EXPANSION PROJECTS, SYNERGI MODEL MAPS (2023 – 2027).....	32
ATTACHMENT 4 CONFIDENTIAL: WILMINGTON LNG PROJECT	32

1.0 Regulations

Delmarva Power (“Delmarva Power” or the “Company”) has developed this rolling five-year Infrastructure, Safety and Reliability Plan (“ISR Plan”) in compliance with the Natural Gas Service Reliability and System Planning Standards, pursuant to 26 *Del. C.* § 315(d) and 26 *Del. Admin. C.* § 8003.6. The Regulations became effective October 11, 2020. See Regulations below. The Company submits this proposed ISR Plan, which addresses Calendar Year (CY) 2023-2027 capital investments for both Mandatory and Non-Mandatory projects to maintain Delmarva Power’s distribution system. The Regulations are as follows:

6.0 INFRASTRUCTURE, SAFETY, AND RELIABILITY PLAN

6.1 Each GDC shall submit annually a proposed rolling 5-year Infrastructure, Safety, and Reliability Plan (“ISR”) identifying proposed capital spending necessary to maintain the Reliability and quality of its Natural Gas Distribution Services. The proposed ISR shall be submitted no later than April 30, 2021 or 90 days following the effective date of this regulation, whichever is later, and no later than April 30th every year thereafter. The initial report shall address 2021, and subsequent reports will address the current year in which it is submitted and four subsequent years. The proposed ISR shall be structured under the following major spending categories:

6.1.1 Mandatory

6.1.1.1 New business - Customer requirements

6.1.1.2 Facility relocations

6.1.1.3 Required Statutory and Regulatory Requirements

6.1.1.4 Reliability - emergency failures/system improvements

6.1.1.5 Infrastructure Replacement Programs

6.1.2 Non-Mandatory

6.1.2.1 Supply/Capacity/Load/System Pressure

6.1.2.2 Asset Condition

6.1.2.3 Other Reliability (LNG, regulator station upgrades)

6.2 Mandatory spending shall include investments required to comply with customer requests, facility relocations, statutory and regulatory requirements, to repair failed equipment and for infrastructure replacement programs. The proposed budgets may be for a combination of discrete projects and projects that are funded but whose specific scope has not yet been defined (“blanket projects”).

6.3 Non-Mandatory spending shall include projects, programs, or other investments necessary to maintain or improve Natural Gas Distribution Services that are not included in the mandatory spending category. Projects or groups of Related Projects shall be supported with project authorization documents, including detailed cost estimates. Infrastructure replacement and Reliability-based programs shall be supported by guidelines or program documents. The proposed budgets may be for a combination of discrete projects and blanket projects.

6.4 To support each proposed annual budget, the proposed ISR shall describe:

6.4.1 How the GDC developed the spending plan and levels;

6.4.2 The justification, scope, system planning and modeling outputs; and

6.4.3 Estimated cost for each planned project of \$1,000,000 or more.

6.5 The proposed ISR shall include the GDC's estimated cost of plant in service and cost of removal for each year of the five-year term.

2.0 Background

The Company delivers natural gas to more than 139,000 northern Delaware customers (Residential – 129,500 and Non-Residential – 10,300). Delmarva Power’s gas service territory spans 275 square miles in Northern New Castle County and includes approximately 2,209 gas main miles and approximately 1,492 service miles. See Figure 1, Delmarva Power Gas Service Territory. For additional pipeline system characteristics, see Appendix A, Delmarva Power Pipeline System Characteristics.

Figure 1: Delmarva Power Gas Service Territory



The ISR Plan is intended to establish an investment plan commensurate to maintain and upgrade the Company’s delivery system. In addition, the ISR Plan attempts to achieve Delmarva Power’s safety and reliability goals through a cost-effective work strategy.

The Company bears the ultimate responsibility for the reliability and performance of its systems; therefore, it must maintain the authority for distribution system planning and the investment decisions necessary to ensure it continues to meet high standards of reliability. Planning must balance competing objectives throughout the process. Delmarva Power recognizes the need for distribution system planning to evolve with technology, policy, and customer needs.

The ISR Plan is designed to maintain the Company's reliability of its gas delivery system through providing services to our new business customers, relocating our facilities for Government Agencies, adhering to statutory and regulatory requirements, repairing failed or damaged equipment in emergency situations, executing infrastructure replacement programs, addressing supply, system capacity, load growth and system pressure, utilizing business judgement in maintaining our gas assets through targeted investments driven primarily by asset condition, and implementing other reliability initiatives to improve the safety and dependability of its gas system.

The ISR Plan describes the Company's gas distribution system, safety, and reliability activities along with the Company's investments contained in the Plan for 2023-2027. Further, the ISR Plan itemizes the recommended work activities by general category and provides budgets for five-year capital investment of \$359.5 million. Moreover, the ISR Plan arrangement is provided in Appendix B, ISR Plan Arrangement, and shows how this document aligns with the requirements outlined in § 8003.6.

Section 3.0 includes an overview of the budget categories and planning processes. The Capital Budget is detailed by category in Sections 4.0 and 5.0, covering mandatory and non-mandatory investments, respectively.

3.0 Annual Budget Support

INVESTMENT PLAN DEVELOPMENT OVERVIEW

Delmarva Power undertakes a five-year planning process to identify and prioritize distribution system capacity and reliability investments, as well as execute needs for new business and facility relocations and emergency work. The objective of this planning process is to ensure that adequate infrastructure exists to reliably supply gas service for all customers at a reasonable overall cost, consistent with goals regarding safety and reliability. The planning process is a bottom-up approach that develops the necessary capital projects to meet the reliability and operational performance goals and other customer, stakeholder, and Commission expectations. As part of this process, Delmarva Power reviews its five-year project plan annually to verify the in-service dates of projects needed to supply customer load or address system performance issues. As system conditions change, projects may be expedited or deferred.

The Company updates and develops its five-year Long-Range Plan ("LRP") every year which integrates and aligns Delmarva Power's operational and financial plans. Each

distribution project is forecasted on a monthly basis throughout the initial year of the LRP to establish a baseline for future year-long range planning. Adjustments to current-year budgets are made as the year progresses to account for normal construction lifecycle activity, but the Company does not re-issue its LRP to reflect these shifts. As a result, project deferrals may be filled with accelerated prioritized projects from a subsequent year if supported by the business need. See Table 1, 2023-2027 Budget Summary.

During the issuance of the Final ISR, the Company will attempt to note in the write up of a specific project, any anticipated significant shifts in schedules and forecasts.

Table 1: 2023-2027 Budget Summary

Category	2023	2024	2025	2026	2027	2023-2027 Total
Mandatory						
1. New Business – Customer Requirements	\$ 6,222,545	\$ 5,995,924	\$ 8,073,357	\$ 7,537,591	\$ 8,112,597	\$ 35,942,014
2. Facility Relocations	2,339,581	2,763,195	3,830,634	3,129,606	4,190,480	16,253,496
3. Required Statutory and Regulatory Requirements	108,000	110,166	114,322	117,113	122,417	572,018
4. Reliability – Emergency Failures/System Improvements	-	-	-	-	-	-
5. Infrastructure Replacement Programs	36,379,922	40,952,150	38,932,963	43,707,603	40,937,213	200,909,851
Non-Mandatory						
1. Supply/Capacity/Load/System Pressure	1,821,168	1,969,446	2,225,737	3,631,068	3,966,323	13,613,742
2. Asset Condition	124,476	121,497	126,431	128,760	130,959	632,123
3. Other Reliability (LNG, regulator station upgrades)	51,113,386	26,801,147	9,551,934	1,292,977	2,851,145	91,610,589
Totals	\$ 98,109,078	\$ 78,713,525	\$ 62,855,378	\$ 59,544,718	\$ 60,311,134	\$ 359,533,833

Note when comparing the 2023-2027 Budget Summary to the 2022-2026 Budget Summary included in the filed August 26, 2022, Delmarva Power 2022 Infrastructure, Safety and Reliability Plan, Docket No. 22-0348, there is a \$5.3 million (1.5%) decrease in the 2023-2027 total. A driver for the decrease is attributed to the future year reduction in “Other Reliability” upgrades (2027) as compared to 2022. The primary driver for the decrease is attributed to an \$11.8M reduction in the budget for Infrastructure Replacement Programs, due to decrease in cost per foot estimates.

An overview of how budgets are based for each of the respective categories contained within this ISR Plan is discussed below.

Mandatory

- The New Business budget is generally based on historical investments as well as specific known projects. The budgets are generally assigned to the blanket projects for residential and commercial. If there is a specific project (e.g., development) that is estimated to exceed \$100,000, a new Investment Tracking Number (“ITN”) will be created.
- The Facility Relocation budget is generally based on historical investments as well as specific known projects. The budgets are generally assigned to blanket projects. If there is a specific project that is estimated to exceed \$100,000, a new ITN will be created, and dollars will be transferred from one or more of the existing ITNs.

- The Required Statutory and Regulatory Requirements budget is driven by Commission directives, updates or changes to regulations or Code of Federal Regulations (“CFR”) as directed by Pipeline Hazardous Materials Safety Administration (“PHMSA”). These projects require larger scale upgrades to the system.

The Reliability – Emergency Failures/System Improvements budget is zero, as these costs are typically not capital.

- Infrastructure Replacement Programs budget has been based on historical investments with consideration of upcoming State and other municipality initiatives, along with estimates based on system reliability projects.

Non-Mandatory

- The Supply/Capacity/Load/System Pressure budget is based on historical investments and specific programs or projects.
- The Asset Condition budget is based on historical investments and specific programs or projects.
- Other Reliability budget is based on historical trends and investments, in addition to any planned work.

PROJECT REVIEW, JUSTIFICATION AND AUTHORIZATION PROCESS

When a capital project is being considered for implementation, it must first go through a rigorous technical review process in order to be approved. The projects which are submitted for inclusion in the LRP are proposed because they help meet the Company’s reliability and operational performance goals and other customer, stakeholder and Commission expectations. The scope of work for these projects is developed through extensive planning and evaluation by Delmarva Power’s engineers and project managers and is reviewed annually.

Based on the total project cost, the proposed project then encounters scrutiny and review at challenge sessions overseen by a cross-sectional group of senior managers at Delmarva Power. First, the project scope is presented for technical review of alternatives and business case justifications. If approved for technical sufficiency, the project will enter the Company’s capital project authorization process. The project manager presents the project background, justification, consideration of alternatives, project benefits, reliability impacts, cost summary, permit requirements and key risks among other meeting criteria. Projects are presented and reviewed to gain senior management approval and they must: exhibit a valid business need; demonstrate the scope of work is the best choice between the proposed alternatives; accurately identify project resources; and show through an Alternative Cost Analysis that the recommended scope of work is the most cost-effective technically

acceptable solution. During these meetings with senior leadership, project assumptions are challenged, and the solution is updated based upon the feedback from the meetings. The goal of each challenge session is to make sure projects are properly researched, developed, planned, reviewed, and authorized by senior management before significant resources are committed or expended. A quorum is needed at each step in the challenge process in order to review approval of a project by the appropriate Delegation of Authority. Projects whose estimate exceeds \$25M go through additional levels of approval within Exelon. Once a project is authorized for approval, its execution timeline may be expedited or deferred based on system conditions or business needs which are evaluated annually during the LRP cycle.

Delmarva Power follows the Exelon Utilities model for project design, review, and implementation in a three-phase process for most projects. In Phase One, a project is initially proposed, which includes the need, objective, and preliminary cost of the project. A project team is identified, which begins to develop the conceptual design and scope of the project. Special consideration is given to whether Delmarva Power has successfully executed a project in the past. During this phase, a study may be required before an oversight committee grants approval to move forward. During this phase, project estimates are developed with a +/-50% margin.

Phase Two encompasses the design phase of the project where the engineering design is reviewed, materials procurement is specified, required permits are identified, and construction specifications are determined. During this phase, project estimates are refined within a +/-25% margin.

Upon approval by the oversight committee, the project is authorized to move into Phase Three, implementation, where the final design is completed, materials and contracts are awarded, and construction commences. During this phase, project estimates are further refined within a +/-10% margin.

In addition, a Cost-Benefit Analysis would be performed for projects which are beyond the scope of our normal business. The initiatives discussed and contained within this ISR Plan are considered normal business. Specifically, for programmatic work (i.e. cast-iron renewals) which relates to multi-year initiatives with a defined end point and scope, the scope of work and budget within the five-year long-range planning, is presented to Senior Leadership for approval as a Program. Once per year, the progress and budget for the Program is reviewed and approved by Senior Leadership. Once approved as a Program, the individual projects are not required to go through the Project Review, Justification, and Authorization Process as those projects are covered within the authorization of the Program.

Estimated Cost of Plant in Service and Cost of Removal

For forecasting, the Company does not separate the cost of installation and the cost of removal. For pipeline infrastructure projects, the main or service is typically abandoned in place, and the cost of removal would be the cost of disconnecting the old main or service and connecting the new main or service. Generally, for pipeline replacement projects, during the

project close process, the cost of removal is a minimal amount of the project total cost. For projects that are related to larger equipment (e.g., LNG plant, gate stations), the cost of removal could be higher to remove larger pieces of equipment and range from 5-20% of the total project cost. This would be determined at the time of the close when the work is completed. For any projects that are install only (i.e., New Business), there is no cost of removal associated with the project closeout.

4.0 Mandatory 6.1.1

Category	2023	2024	2025	2026	2027
<u>Mandatory</u>					
1. New Business – Customer Requirements	\$ 6,222,545	\$ 5,995,924	\$ 8,073,357	\$ 7,537,591	\$ 8,112,597
2. Facility Relocations	2,339,581	2,763,195	3,830,634	3,129,606	4,190,480
3. Required Statutory and Regulatory Requirements	108,000	110,166	114,322	117,113	122,417
4. Reliability – Emergency Failures/System Improvements	-	-	-	-	-
5. Infrastructure Replacement Programs	36,379,922	40,952,150	38,932,963	43,707,603	40,937,213
Mandatory Total	\$ 45,050,048	\$ 49,821,435	\$ 50,951,276	\$ 54,491,913	\$ 53,362,707

6.1.1.1 New Business – Customer Requirements

New Business provides safe and cost-effective services from the initial point of contact with the customer to the final installation. There are four different categories of New Business work activity: 1) single service requests, 2) joint trench, 3) grant programs, and 4) established developments. In support of New Business opportunities, Delmarva Power, with the assistance of Staff and members of the DPA, developed and implemented the “My Switch to Gas” (“MSTG”) program, designed to support former Governor Markell’s vision for expanding the use of natural gas in Delaware. Note as part of the Settlement Agreement in Docket No. 20-0150, the parties made modifications to the former model used to evaluate new MSTG initiatives in an effort to ensure those customers desiring natural gas service, invest their fair share as to minimize subsidization.

There are many benefits for customers to make the switch to natural gas. Using natural gas is highly efficient, which means less energy being used. Converting to natural gas can also be used for other appliance needs above and beyond heating. In addition, converting to natural gas is a lower carbon alternative to other traditional fossil fuels such as coal and oil.

Since the implementation of the MSTG program in the Company’s service territory in 2014, 26 communities have actively participated and benefitted with gas mains extended to serve their respective sub-divisions.¹ Further, more than 8,300 Delmarva Power customers have been presented with an opportunity to convert to natural gas via MSTG since the program’s inception in 2014.

Projected neighborhood initiatives for year 2023 and 2024 are shown in Table 2 below. Note the Company engaged in Working Group discussions with Delaware Public Service Commission Staff and Delaware Division of the Public Advocate on modifying the project evaluation Discounted Cash Flow (“DCF”) Model pursuant to the Settlement Agreement in

Docket No.12-546. On June 15, 2022, among other things, a new DCF model was approved in Order No. 10064. Based on the new DCF Model, the Company evaluates potential projects on a neighborhood-by-neighborhood basis.

Table 2: Projected MSTG Initiatives

Neighborhood	Description
2023	
Mitchell Estates	34 Home Neighborhood – 18 applicants signed up to date
Ashbourne Hills (S. Avon & S. Shelley Drive)	84 Home Large Street Request – 1 applicant signed up to date
Hunters Point	68 Home Neighborhood – 6 applicants signed up to date
2024	
Breezewood	228 Home Neighborhood – 11 applicants signed up to date
Summer Hill I	255 Home Neighborhood – 8 applicants signed up to date

In addition to subdivisions, the Company is extending gas mains down individual streets. Such projects are typically grassroots-led by one or more residents living on that street. Since the MSTG program launch, Delmarva Power has extended gas mains along more than 560 individual streets in northern New Castle County.

Planned projectsⁱⁱ currently estimated to exceed \$1 million for 2023 are as follows:

New Business

71761: Gas Meter Equipment (RGMR-2A)	\$2,492,141
72019: Install Commercial Dist Main (RGNL-3A)	\$1,123,088
72023: Install Est Dev Dist Main (RGNL-2A)	\$1,706,944

For 2023-2027 forecasted investment in projects currently estimated to exceed \$1 million, see Appendix C, Table 1: Initiatives Exceeding \$1 Million (2023-2027).

For CY 2023, Delmarva Power has budgeted \$6.22 million for all new business initiatives. For 2023-2027 forecasted investment in new business, see Appendix D, Table 2: Gas ISR Plan - Forecast (2023-2027).

6.1.1.2 Facility Relocations

Delmarva Power's Engineering team collaborates monthly with the Delaware Department of Transportation ("DelDOT") on infrastructure improvement projects by providing gas facility information early in the engineering and design process and is required to mitigate relocations. The Company's Engineering team also assists in the development of alternative solutions that ensure safe, reliable, cost-effective, quality designs within budget, scope, and schedule. Additionally, the Engineering team owns the relationship with requesting agencies and drives the execution of work to meet required dates.

Each DelDOT project typically impacts several Delaware Utilities. To ensure the Utility companies are engaged in the design process, DelDOT has implemented the review stages noted below:

1. **Survey** – Information gathering. What do utilities have in proximity of the project?
2. **Preliminary** – Concept plan allowing utilities to determine if their facilities will be impacted.
3. **Semi-final** – True utility design stage to identify main and service relocations.
4. **Final** – Final concurrence/approval by utilities.
5. **Notice to Proceed** - Official letter permitting the utility to begin their work.

For Delmarva Power, the true impact to our facilities is typically realized during the Semi-final stage. This is the review period when all the subsurface conflicts become known, and dialogue occurs to see if a non-intrusive solution can be reached. The decision as to what will occur takes place during the late Semi-final and Final review. Note during this phase, DelDOT can and has eliminated parts of its plan due to political, community and budgetary influences.

The true description as it pertains to the gas work planned, would not occur until the late Semi-final stage at the earliest. From a timeline standpoint, a significant project can take several years to go from Survey to Final review.

Design Phase:

There are currently 75 projects awaiting DelDOT notice to proceed with project. See Appendix E, Delmarva Power Gas Engineering Work Tracking – Highway Relocations, for a listing of these projects. All remaining DelDOT projects are in design review with no finalized scope as the individual project improvement plans changes given each utility's proposed modification or impact. The scale/magnitude of the project can only be measured in the final stages of design. Currently, the project list contains future work under a preliminary status.

Planned relocation work estimates for 2023 are as follows:

Facility Relocations

71778: Gas UFRC Distribution (RGHW-1C)	\$2,339,581
--	-------------

Large projects approved by DelDOT and scheduled for 2023 are as follows:

86743: Old Kenneth Road – 4-inch Main Relocation (RGHW-1C)	\$ 118,860
80836: Route 40 Widening – 6-inch Main Relocation (RGHW-1C)	\$ 488,066

For 2023-2027 forecasted investment in projects currently estimated to exceed \$1 million, see Appendix C, Table 1: Initiatives Exceeding \$1 Million (2023-2027).

For CY 2023, the Company has budgeted \$2.34 million for facility relocations. For 2023-2027 forecasted investment in facility relocations, see Appendix D, Table 2: Gas ISR Plan - Forecast (2023-2027).

6.1.1.3 Required Statutory and Regulatory Requirements

Regulatory requirements are a driver for completion of gas Preventative Maintenance programs. Preventive Maintenance programs are designed to protect gas assets and extend the useful life of equipment, which enables the Company to maximize system reliability, meet regulatory requirements, and ensure safety while managing overall costs. The three programs that fall within this area are cathodic protection, valve maintenance, and leak survey.

Cathodic protection, pursuant to CFR 192.463 and CFR 192.465, effectively extends the service life of buried steel facilities as compared to unprotected buried steel facilities. Protection is accomplished by ensuring proper coating on pipe segments through the installation of rectifiers, anodes, insulators, and test stations. Also, the corrosion program includes control line work at existing regulator stations and cathodic protection upgrades. Not all lines are cathodically protected. The Company’s bare steel pipelines were installed before July 31, 1971 and are therefore not required by regulation to be cathodically protected. In these instances, annual leak surveys are performed to detect any leaks. If leaks are found, the system is placed on the pipe replacement program (renewal with plastic) if it meets specified criteria for renewal.

Pursuant to CFR 192.745 and CFR 192.747, each valve (dependent upon transmission and distribution criteria), must be checked and serviced at intervals not exceeding 15 months,

but at least once each calendar year. There are approximately 2,636 valves scheduled to be inspected for 2023.

Pursuant to CFR 192.723, a leakage survey with leak detector equipment, must be conducted outside business districts as frequently as necessary, but at least once every five calendar years at intervals not exceeding 63 months. However, for cathodically unprotected distribution lines subject to §192.465(e) on which electrical surveys for corrosion are impractical, a leakage survey must be conducted at least once every three calendar years at intervals not exceeding 39 months. Delmarva Power is scheduled to conduct approximately 46,000 leakage surveys in the Company's Area 1 sectionⁱⁱⁱ in 2023. Surveys are performed by an external contractor and Company employees. Leakage survey season begins in March and all scheduled work is completed by the end of December.

For CY 2023, Delmarva Power has budgeted \$0.11 million for required statutory and regulatory requirements. For 2023-2027 forecasted investment in statutory and regulatory requirements, see Appendix D, Table 2: Gas ISR Plan - Forecast (2023-2027).

6.1.1.4 Reliability – Emergency Failures/System Improvements

Corrective Maintenance (“CM”) is repair work that results in system improvement and emergent conditions. CM includes leaks that result in renewal of the service, replacement of a section of main two feet or greater, or replacement of a valve on a main. Additional CM work includes equipment failures at the LNG plant or regulator stations or pipeline protective equipment requiring larger repairs resulting in replacement of the full asset (e.g., valve, regulator). These initiatives are generally already included in capital projects and are not individual capital-related investments. As such, the Reliability – Emergency Failures/System Improvements category budget is zero as these costs are typically not capital.

6.1.1.5 Infrastructure Replacement Programs

Delmarva Power is currently engaged in a Cast Iron Replacement Program (“CIRP”). As other pipeline material types are exposed during day-to-day operations, replacement with plastic piping is completed.

The Company's replacement program is voluntary and has not been formally mandated by the DE-PSC. Delmarva Power has been communicating with Staff regularly about the accelerated plan. The Company has consistently discussed the accelerated replacement plan with Staff during previous distribution system planning meetings since 2018.

Delmarva Power has retired 27.3 miles of mains since 2020. It is projected that substantially all of the Company's cast iron mains will be either rehabilitated or replaced within the next four years (2027). For the areas remaining to be renewed within Wilmington, see Attachment 1 Confidential: Cast Iron Renewal Projects.

Through the pipe rehabilitation and replacement program, the Company works closely with other utility companies, municipalities, and government transportation/highway officials to coordinate its work with road or other infrastructure excavation activities to avoid duplication of efforts. The Company promptly responds to lines that are determined to be obsolete based on leak analyses and other continuous surveillance activities.

Projects currently estimated to exceed \$1 million for 2023 are as follows:

Infrastructure Replacement Programs

66986:DPL DE Gas Renewal Historic New Castle	\$2,474,881
71773: Gas Service Renewals (RGCR-1A)	\$2,006,252
71774: Gas Steel Main Plan Renewal (RGCR-3A)	\$1,227,390
73229 DPL DE: Governor Printz Year 1	\$2,669,190
73913: Transmission Main Renewal (RGCR-12)	\$1,982,436
76479:DPL DE Harlan Park Civic North CI Renew2023	\$3,932,659
76485: DPL DE Brandywine Hills CI Renew 2023	\$5,214,396
76487: DPL DE Church & 11th CI Renew2023	\$3,589,381
76492: DPL DE Harlan Park South CI Renew 2023	\$4,318,209
76493: DPL DE Market & Pine CI Renew 2023	\$5,186,834

For 2023-2027 forecasted investment in projects currently estimated to exceed \$1 million, see Appendix C, Table 1: Initiatives Exceeding \$1 Million (2023-2027).

For CY 2023, Delmarva Power has budgeted \$36.38 million for infrastructure replacement programs. For 2023-2027 forecasted investment in infrastructure replacement programs, see Appendix D, Table 2: Gas ISR Plan - Forecast (2023-2027).

Note the 2023 estimates are \$375/ft for main installation and \$6,700 per service/meter/regulator installation.

5.0 Non-Mandatory 6.1.2

Category	2023	2024	2025	2026	2027
<u>Non-Mandatory</u>					
1. Supply/Capacity/Load/System Pressure	\$ 1,821,168	\$ 1,969,446	\$ 2,225,737	\$ 3,631,068	\$ 3,966,323
2. Asset Condition	124,476	121,497	126,431	128,760	130,959
3. Other Reliability (LNG, regulator station upgrades)	51,113,386	26,801,147	9,551,934	1,292,977	2,851,145
Non-Mandatory Total	\$ 53,059,030	\$ 28,892,090	\$ 11,904,102	\$ 5,052,805	\$ 6,948,427

6.1.2.1 Supply/Capacity/Load/System Pressure

Delmarva's capacity expansion process consists of project scheduling, capital budgeting, and occasional acceleration of capital initiatives. Projects are separated into the several categories listed below. Most projects are either pressure, supply, or regulator related.

- Gas Distribution Main on account of (a/c) Pressure Improvements
- Gas Distribution Main a/c Supply
- Gas Distribution Regulator Improvements
- Gas Distribution Reliability Loop Improvements
- Gas Over High Pressure (OHP) Capacity Improvements a/c Supply
- Gas OHP Main a/c Pressure Improvements
- Gas OHP Main Replacements
- Gas OHP Regulator Improvements
- Gas OHP Reliability Loop Improvements
- Install Gas New Load Regulators
- Install New Development Distribution Main

In addition, although the primary drivers for capacity projects are pressure and/or supply-related, the following list of items is also considered to ensure the construction of a safe and reliable pipeline system:

- Safety – as the prime directive in pipeline design.
- Reliability – excessive number of customers on a radial pipe feed.
- Looping – more than a mile of radial pipe feed to provide a back-up in the event of segment isolation
- Pressure/Flow Enhancement
 - New regulator station
 - Pipe diameter increase
- Redundancy – loss of core piping components; mitigation of regulator outages
- Think Customer – installing pipe on routes that will serve existing developments or existing homes that do not currently have natural gas access
- Velocity – using high gas flow velocity as a gauge to identify system stress
- Highway Coordination – awareness of new roads and road repaving projects

- Core Infrastructure – establish and maintain a large diameter core looped piping infrastructure, at times in advance of the system growth
- Proactive – planning for the future
- Aging Infrastructure – replaced with proactively sized new distribution and OHP pipe
- Source of Supply – consideration of existing and future contractual supply issues
- Interstate Pipeline Risk Mitigation – mitigate the loss of a gate station

Planned projects currently estimated to exceed \$1 million for 2023: None

For 2023-2027 forecasted investment in projects currently estimated to exceed \$1 million, see Appendix C, Table 1: Initiatives Exceeding \$1 Million (2023-2027).

For CY 2023, the Company has budgeted \$1.82 million for Supply/Capacity/Load/System Pressure projects. For 2023-2027 forecasted investment in asset condition initiatives, see Appendix D, Table 2: Gas ISR Plan - Forecast (2023-2027).

In addition, see Appendix F for 2023-2027 capacity expansion projects. Note the investments shown in Appendix F will not tie to the budget as they are a representation of capacity expansion projects that are under consideration but may not be reflected in the existing five-year LRP. Also, see Attachment 2 Confidential: Capacity Expansion Projects^{iv} and Attachment 3 Confidential: Capacity Expansion Projects, Synergi Model Maps (2023 – 2027).

6.1.2.2 Asset Condition

Anodes often become depleted over time and lose their ability to provide sufficient current to protect the structure or pipe as designed. Cathodic protection upgrades generally involves installation of anodes to a section of piping that is not well protected and is likely to corrode. If remedial work is not rendered in a timely manner, the pipe will fail prematurely, causing hazardous leaks. Installation of additional anodes will often prolong the life of the facility, thus, ensuring reliable transportation of natural gas. Projects under this category are generally reactive as a result of preventive maintenance.

For CY 2023, the Company has budgeted \$0.12 million to address asset conditions. For 2023-2027 forecasted investment in asset condition initiatives, see Appendix D, Table 2: Gas ISR Plan - Forecast (2023-2027).

6.1.2.3 Other Reliability (LNG, Regulator Station Upgrades)

Categories under this section include LNG, regulator stations and gate station.

LNG Plan

On Feb 22, 2019, Delmarva Power filed a petition with the DE-PSC to review and approve its proposal to construct a Satellite Liquefied Natural Gas Storage Facility in the southern region of its service territory (DE-PSC Docket No. 19-0110). As the Company continued to plan for the proposed facility, Delmarva Power also evaluated other solutions, including leveraging an acceleration and expansion of planned upgrades to the existing Wilmington LNG Facility. Based on revised cost estimates to construct the Satellite LNG facility at Red Lion Road, the Wilmington upgrade alternative was evaluated as it was more cost beneficial to its Delaware customers. As such, Delmarva Power is planning to proceed with an upgrade to the Wilmington LNG Facility with a projected in-service year of 4Q 2024 for the vaporizer and Q2 2025 for the liquefier components and a five-year buildout of the Overhigh Pressure (OHP) system, rather than proceeding with the original proposal. The project costs will be offset by anticipated customer benefits from lower supply costs and avoided purchases of additional upstream supply.

In addition, a new LNG control room building is slated to be constructed to meet current standards for control design and LNG operations. The control room building is still in the conceptual design process.

Regulator and Gate Stations

Regulator and Gate station improvements for the forecasted time period include, but are not limited to, upsizing stations to allow increased gas flow and reduce constraints, adding of automation to provide control through Gas System Operations (“GSO”), improved metering and regulation, and upgrades to flow computer and communication. Upcoming capital projects include replacement of the field RTUs, which have reached end-of-life, and replacement of the West Sub regulator station.

Planned projects currently estimated to exceed \$1 million for 2023 are as follows:

63392: DPL DE Gas Wilmington LNG Vaporization Replacement	\$21,693,561
63936: DPL DE FEP Gas Hockessin	\$ 4,429,058
74359: DPL DE Gas Wilmington LNG Liquefier Replacement	\$23,531,181

For a discussion of the LNG Liquefier and Vaporizer Replacement, see Attachment 4 Confidential: Wilmington LNG Project.

For 2023-2027 forecasted investment in projects currently estimated to exceed \$1 million, see Appendix C, Table 1: Initiatives Exceeding \$1 Million (2023-2027).

For CY 2023, Delmarva Power has budgeted \$51.11 million for other reliability efforts. For 2023-2027 forecasted investment in other reliability projects, see Appendix D, Table 2: Gas ISR Plan - Forecast (2023-2027).

APPENDIX

Appendix A

Delmarva Power Pipeline System Characteristics

General

	STEEL				PLASTIC	CAST/ WROUGHT IRON	DUCTILE IRON	COPPER	OTHER	RECONDITIO ED CAST IRON	SYSTEM TOTAL
	UNPROTECTED		CATHODICALLY PROTECTED								
	BARE	COATED	BARE	COATED							
MILES OF MAIN	0.095	23.297	5.649	483.003	1654.562	42.173	0.501	0	0	0	2209.28
NO. OF SERVICES	382	7812	0	11267	109267	0	0	2764	1548	0	133040

Miles of Mains in System at Year End (2022)

MATERIAL	UNKNOWN	2" OR LESS	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8" THRU 12"	OVER 12"	SYSTEM TOTALS
STEEL	0	210.918	101.961	103.045	73.771	22.349	512.044
DUCTILE IRON	0	0	0.253	0.248	0	0	0.501
COPPER	0	0	0	0	0	0	0
CAST/WROUGHT IRON	0	0	16.796	17.275	6.749	1.353	42.173
PLASTIC PVC	0	0	0	0	0	0	0
PLASTIC PE	0	1097.263	268.057	289.242	0	0	1654.562
PLASTIC ABS	0	0	0	0	0	0	0
PLASTIC OTHER	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
RECONDITIONED CAST IRON	0	0	0	0	0	0	0
TOTAL	0	1308.181	387.067	409.81	80.52	23.702	2209.28

Number of Services in System at Year End (2022)

MATERIAL	UNKNOWN	1" OR LESS	OVER 1" THRU 2"	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8"	SYSTEM TOTALS
STEEL	0	17916	1483	54	8	0	19461
DUCTILE IRON	0	0	0	0	0	0	0
COOPER	0	2764	0	0	0	0	2764
CAST/WROUGHT IRON	0	0	0	0	0	0	0
PLASTIC PVC	0	0	0	0	0	0	0
PLASTIC PE	124	105991	2999	136	17	0	109267
PLASTIC ABS	0	0	0	0	0	0	0
PLASTIC OTHER	0	0	0	0	0	0	0
OTHER	1546	2	0	0	0	0	1548
RECONDITIONED CAST IRON	0	0	0	0	0	0	0
TOTAL	1670	126673	4482	190	25	0	133040

Miles of Main and Number of Services By Decade of Installation

	UNKNOWN	PRE-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2019	2020-2029	TOTAL
MILES OF MAIN	0	43.836	14.338	163.651	338.074	100.247	246.85	630.324	291.085	298.314	82.561	2209.28
NUMBER OF SERVICES	1546	192	325	6856	21085	9990	13042	30363	18887	23083	7671	133040

Source: U. S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration Data for Delmarva Power as Reported in 2022 Gas Distribution System Annual Report

Appendix B

ISR Plan Arrangement

Section Within the ISR Plan	Includes Information in Response to the Requirements of Section
1.0 REGULATIONS	6.0
2.0 BACKGROUND	NA
3.0 ANNUAL BUDGET SUPPORT	6.4
Investment Plan Development Overview	6.4.1
Project Review, Justification and Authorization Process	6.4.2
Estimated Cost of Plant in Service and Cost of Removal	6.5
4.0 MANDATORY (Includes Estimated Cost for Each Planned Project of \$1,000,000 or Greater.)	6.1.1 6.4.3
5.0 NON-MANDATORY (Includes Estimated Cost for Each Planned Project of \$1,000,000 or Greater.)	6.1.2 6.4.3
Appendix D Forecasted Budget (Mandatory and Non-Mandatory)	6.2 and 6.3
ENDNOTES	NA
ATTACHMENTS	NA

Appendix C

Initiatives Exceeding \$1 Million (Mandatory and Non-Mandatory)

Table 1: Initiatives Exceeding \$1 Million (2023-2027)

Initiatives Exceeding \$1 Million						
ITN	ITN NAME	2023	2024	2025	2026	2027
Mandatory						
New Business – Customer Requirements						
71761	71761: Gas Meter Equipment (RGMR-2A)	2,492,141	2,357,097	2,574,079	2,549,383	2,791,369
72019	72019: Install Commercial Dist Main (RGNL-3A)	1,123,088	1,330,607	1,288,738	1,460,954	1,471,456
72023	72023: Install Est Dev Dist Main (RGNL-2A)	1,706,944	1,322,417	3,302,753	2,591,087	2,658,643
Facility Relocations						
71778	71778: Gas UFRC Distribution (RGHW-1C)	2,339,581	2,763,195	3,830,634	3,129,606	4,190,480
Infrastructure Replacement Programs						
66986	66986:DPL DE Gas Renewal Historic New Castle	2,474,881	598,606	1,519,058		
70953	70953: Cast Iron Renewals (RGCR-2D)	654,667	385,786	125,976	130,556	7,118,930
71769	71769: Gas Plastic Main Plan Renewal (RGCR-14A)	613,288	2,019,894	1,020,001	2,511,021	7,783,741
71773	71773: Gas Service Renewals (RGCR-1A)	2,006,252	443,547	732,575	417,390	7,202,306
71774	71774: Gas Steel Main Plan Renewal (RGCR-3A)	1,227,390	2,553,906	2,704,044	2,755,982	5,857,067
73229	73229 DPL DE: Governor Printz Year 1	2,669,190	3,283,361	4,363,497	4,980,304	8,153,272
73913	73913: Transmission Main Renewal (RGCR-12)	1,982,436	3,905,978	3,192,466	3,204,810	4,609,603
76479	76479:DPL DE Harlan Park Civic North CI Renew2023	3,932,659				
76485	76485: DPL DE Brandywine Hill CI Renew 2023	5,214,396				
76487	76487: DPL DE Church & 11th CI Renew2023	3,589,381				
76490	76490: DPL DE Harlan Park Civic Association CI Renewal 2024	469,457	4,655,934			
76492	76492: DPL DE Harlan Park South CI Renew 2023	4,318,209				
76493	76493: DPL DE Market & Pine CI Renew 2023	5,186,834				
76495	76495: DPL DE CEDAR ST AND BANNING ST CI Renewal 2024	333,840	4,813,232			
76497	76497: DPL DE Harlan Park Civic Association CI Renewal 2025		546,744	5,436,907		
76499	76499: DPL DE 2500 Civic Association CI Renewal 2024	469,856	3,721,898			
76501	76501: DPL DE Forty Acres CI Renewal 2024	415,222	5,169,937			
76502	76502: DPL DE Little Italy Neighborhood Association CI Renewal 2025		34,187	4,620,496		
76505	76505: DPL DE TRINITY AREA CI Renewal 2024	415,222	2,064,094			
76506	76506: DPL DE Northeast Civic Association CI Renewal 2024	387,905	5,288,779			
76508	76508: DPL DE Olde Swedes Historic Area CI Renewal 2026			465,381	3,920,356	
76509	76509: DPL DE N Walnut St Area CI Renewal 2025		553,111	3,501,973		
76511	76511: DPL DE North Brandywine Civic Association CI Renewal 2025		437,879	4,169,202		
76513	76513: DPL DE Trinity Vicinity CI Renewal 2025		437,879	4,989,734		
76515	76515: DPL DE Little Italy Neighborhood Association CI Renewal 2026			388,078	3,680,826	
76517	76517: DPL DE 200 - 1200 BL of N. MADISON ST CI Renewal 2026			211,679	2,195,055	
76519	76519: DPL DE 700 - 1700 BL of W. 9TH (MADISON TO DUPONT) CI Renewal 2026			176,399	1,715,220	
76522	76522: DPL DE 4TH ST MADISON TO JEFFERSON CI Renewal 2026			176,399	1,256,218	
76526	76526: DPL DE 900-1600 BL W. 4TH ADAMS TO RODNEY (ODD SIDE) CI Renewal 2026			176,399	3,150,949	
76528	76528: DPL DE 900-1600 BL W. 4TH ADAMS TO RODNEY (EVEN SIDE) CI Renewal 2026			176,399	2,159,860	
76530	76530: DPL DE 2ND ST DELAMORE TO JACKSON CI Renewal 2026			176,399	4,093,492	
76532	76532: DPL DE HL 16@LINDEN & CLAYTON-HL 27@W. 4TH & MADISON CI Renewal 2026			176,399	1,760,921	
76534	76534: DPL DE MARKET ST - CONCORD AVE TO W. 30TH CI Renewal 2026				4,185,965	
Non-Mandatory						
Supply/Capacity/Load/System Pressure						
71756	71756: Gas Distribution Main a/c Supply (RGUP-1A)	920,725	1,296,955	1,743,899	3,018,775	3,330,752
Other Reliability (LNG, regulator station upgrades)						
63392	63392: DPL DE Gas Wilmington LNG Vaporization Replacement	21,693,561	12,737,811	3,564,433		
63936	63936: DPL DE FEP Gas Hockessin	4,429,058	26,956			
71781	71781: Gate Station & OHP Impovemt (RGEF-2B)	596,352	608,256	631,739	647,148	1,899,156
74359	74359: DPL DE Gas Wilmington LNG Liquifier Replacement	23,531,181	12,354,177	4,757,829		

Appendix D

Forecasted Budget (Mandatory and Non-Mandatory)

Table 2: Gas ISR Plan - Forecast (2023-2027)

Gas ISR Plan - Forecast (2023 - 2027)						
ITN	ITN NAME	2023	2024	2025	2026	2027
Mandatory						
1.	New Business – Customer Requirements	6,222,545	5,995,924	8,073,357	7,537,591	8,112,597
70448	70448: Approach Main S.I. (RGNL-1)	123,914	128,245	136,301	140,739	397,057
71757	71757: Gas Distribution Easements (RGNL-6)	5,905	6,019	4,294	4,384	4,560
71761	71761: Gas Meter Equipment (RGMR-2A)	2,492,141	2,357,097	2,574,079	2,549,383	2,791,369
72019	72019: Install Commercial Dist Main (RGNL-3A)	1,123,088	1,330,607	1,288,738	1,460,954	1,471,456
72023	72023: Install Est Dev Dist Main (RGNL-2A)	1,706,944	1,322,417	3,302,753	2,591,087	2,658,643
72025	72025: Install New De. Dist Main (RGNL-4A)	770,553	851,539	767,192	791,044	789,512
2.	Facility Relocations	2,339,581	2,763,195	3,830,634	3,129,606	4,190,480
71778	71778: Gas UFRC Distribution (RGHW-1C)	2,339,581	2,763,195	3,830,634	3,129,606	4,190,480
3.	Required Statutory and Regulatory Requirements	108,000	110,166	114,322	117,113	122,417
71780	71780: GasDelivery-ReimbWork (RGCR-15A)	108,000	110,166	114,322	117,113	122,417
4.	Reliability – Emergency Failures/System Improvements	-	-	-	-	-
5.	Infrastructure Replacement Programs	36,379,922	40,952,150	38,932,963	43,707,603	40,937,213
66986	66986:DPL DE Gas Renewal Historic New Castle	2,474,881	598,606	1,519,058		
70953	70953: Cast Iron Renewals (RGCR-2D)	654,667	385,786	125,976	130,556	7,118,930
71769	71769: Gas Plastic Main Plan Renewal (RGCR-14A)	613,288	2,019,894	1,020,001	2,511,021	7,783,741
71773	71773: Gas Service Renewals (RGCR-1A)	2,006,252	443,547	732,575	417,390	7,202,306
71774	71774: Gas Steel Main Plan Renewal (RGCR-3A)	1,227,390	2,553,906	2,704,044	2,755,982	5,857,067
73229	73229 DPL DE: Governor Printz Year 1	2,669,190	3,283,361	4,363,497	4,980,304	8,153,272
73913	73913: Transmission Main Renewal (RGCR-12)	1,982,436	3,905,978	3,192,466	3,204,810	4,609,603
76479	76479:DPL DE Harlan Park Civic North CI Renew2023	3,932,659				
76481	76481:DPL DE Neighbors Rebuilding Our Neighborhood CI Renewal 2022	13,836				
76483	76483:DPL DE 2500 Civic Association CI Renewal 2022	5,017				
76485	76485: DPL DE Brandyne Hill CI Renew 2023	5,214,396				
76487	76487: DPL DE Church & 11th CI Renew2023	3,589,381				
76490	76490: DPL DE Harlan Park Civic Association CI Renewal 2024	469,457	4,655,934			
76492	76492: DPL DE Harlan Park South CI Renew 2023	4,318,209				
76493	76493: DPL DE Market & Pine CI Renew 2023	5,186,834				
76495	76495: DPL DE CEDAR ST AND BANNING ST CI Renewal 2024	333,840	4,813,232			
76497	76497: DPL DE Harlan Park Civic Association CI Renewal 2025		546,744	5,436,907		
76499	76499: DPL DE 2500 Civic Association CI Renewal 2024	469,856	3,721,898			
76501	76501: DPL DE Forty Acres CI Renewal 2024	415,222	5,169,937			
76502	76502: DPL DE Little Italy Neighborhood Association CI Renewal 2025		34,187	4,620,496		
76505	76505: DPL DE TRINITY AREA CI Renewal 2024	415,222	2,064,094			
76506	76506: DPL DE Northeast Civic Association CI Renewal 2024	387,905	5,288,779			
76508	76508: DPL DE Olde Swedes Historic Area CI Renewal 2026			465,381	3,920,356	
76509	76509: DPL DE N Walnut St Area CI Renewal 2025		553,111			
76511	76511: DPL DE North Brandywine Civic Association CI Renewal 2025		437,879	4,169,202		
76513	76513: DPL DE Trinity Vicinity CI Renewal 2025		437,879	4,989,734		
76515	76515: DPL DE Little Italy Neighborhood Association CI Renewal 2026			388,078	3,680,826	
76517	76517: DPL DE 200 to 1200 BL of N. MADISON ST CI Renewal 2026			211,679	2,195,055	
76519	76519: DPL DE 700 - 1700 BL of W. 9TH (MADISON TO DUPONT) CI Renewal 2026			176,399	1,715,220	
76521	76521: DPL DE 400 BL TO 1100 BL OF N. DUPONT CI Renewal 2026			157,590	874,763	
76522	76522: DPL DE 4TH ST MADISON TO JEFFERSON CI Renewal 2026			176,399	1,256,218	
76524	76524: DPL DE 1700 to 2200 BL OF W. 11TH (N. DUPONT TO BANCROFT) CI Renewal 2026			176,399	561,130	
76526	76526: DPL DE 900-1600 BL W. 4TH ADAMS TO RODNEY (ODD SIDE) CI Renewal 2026			176,399	3,150,949	
76528	76528: DPL DE 900-1600 BL W. 4TH ADAMS TO RODNEY (EVEN SIDE) CI Renewal 2026			176,399	2,159,860	
76530	76530: DPL DE 2ND ST DELAMORE TO JACKSON CI Renewal 2026			176,399	4,093,492	
76532	76532: DPL DE HL 16@LINDEN & CLAYTON-HL 27@W. 4TH & MADISON CI Renewal 2026			176,399	1,760,921	
76534	76534: DPL DE MARKET ST - CONCORD AVE TO W. 30TH CI Renewal 2026				4,185,965	
94232	94232: DPL E&S Gas Cap Cost Pool	(16)	37,398	99,513	152,785	212,294
Mandatory Total		\$ 45,050,048	\$ 49,821,435	\$ 50,951,276	\$ 54,491,913	\$ 53,362,707

ITN	ITN NAME	2023	2024	2025	2026	2027
Non-Mandatory						
1. Supply/Capacity/Load/System Pressure		1,821,168	1,969,446	2,225,737	3,631,068	3,966,323
71755	71755: Gas Dist Reg Improvements Cap Exp (RGUP-1B)	596,310	672,491	481,838	612,293	635,571
71756	71756: Gas Distibution Main a/c Supply (RGUP-1A)	920,725	1,296,955	1,743,899	3,018,775	3,330,752
83320	83320:DPL ESNG Regulator Looping Lorewood Grove	304,133				
2. Asset Condition		124,476	121,497	126,431	128,760	130,959
70956	70956: Cathodic Protectn-Dist (RCCR-6B)	124,476	121,497	126,431	128,760	130,959
3. Other Reliability (LNG, regulator station upgrades)		51,113,386	26,801,147	9,551,934	1,292,977	2,851,145
63392	63392: DPL DE Gas Wilmington LNG Vaporization Replacement	21,693,561	12,737,811	3,564,433		
63936	63936: DPL DE FEP Gas Hockessin	4,429,058	26,956			
71781	71781: Gate Station & OHP Impovemt (RGEF-2B)	596,352	608,256	631,739	647,148	1,899,156
72145	72145: LNG Plant Improve/Replace (RGEF-2C)	552,835	749,630	266,582	305,722	596,117
73350	73350: Regulators Station Installs (RGNL-5)	310,399	324,317	331,351	340,107	355,872
74359	74359: DPL DE Gas Wilmington LNG Liquifier Replacement	23,531,181	12,354,177	4,757,829		
Non-Mandatory Total		\$ 53,059,030	\$ 28,892,090	\$ 11,904,102	\$ 5,052,805	\$ 6,948,427
Mandatory and Non-Mandatory Total		\$ 98,109,078	\$ 78,713,525	\$ 62,855,378	\$ 59,544,718	\$ 60,311,134

Appendix E

Delmarva Power Gas Engineering – Work Tracking

Highway Relocations

No	Entered Date	Project Name	DelDOT Project #	Project Stage
1	12/19/2019	Concord Pike & Naamans Road	T201601105	Awaiting DelDOT
2	12/19/2019	SR 2 and Red Mill Rd	T201611601	Construction
3	12/19/2019	Rte. 40 & 896, 8" Main Relocation	T201611901	Bid
4	12/19/2019	Route 40 Widening - Salem Church to Walther Road	T201611902	Bid
5	12/19/2019	SouthBridge Streetscape Improvements	T201620011	Awaiting DelDOT
7	12/19/2019	9th Street - Streetscape, Wilmington	T201620013	Awaiting DelDOT
8	12/19/2019	SR2 Kirkwood Highway to Duncan Road Improvements	T201701103	Awaiting DelDOT
9	12/19/2019	New Chapman Road - 6" Steel Main Relocation	T201861101	Awaiting DelDOT
10	12/19/2019	A Street Wilmington - Shared Use Path	T201912101	Awaiting DelDOT
11	12/26/2019	Welsh Tract & Otts Chapel Road	T202004102	Awaiting DelDOT
12	1/10/2020	SR 273 - Chapman Road Intersection Improvements	T201604110	Awaiting DelDOT
13	1/14/2020	Old Baltimore Pike - Pavement & Rehabilitation	T202001101	Awaiting DelDOT
14	1/28/2020	Thousand Acre Marsh Tide Gates Replacement	T202009807	Awaiting DelDOT
15	2/6/2020	Old Kenneth Road - Retaining Wall	T201707108	Bid
16	2/10/2020	Br 1-684 & 1-686 S Walnut & Heald St	T201607402	Awaiting DelDOT
17	2/21/2020	PAR & Sidewalk Improvements - Various Locations (On-Going)	T201901401	Awaiting DelDOT
18	3/16/2020	US 13 PAR Llangolen Blvd to Bacon Blvd	T201901102	Awaiting DelDOT
19	3/23/2020	BR-249 on Old Baltimore Pike, Christina River	T201807101	Awaiting DelDOT
21	4/13/2020	Lorewood Grove Road	T200712006	Awaiting DelDOT
22	4/13/2020	Delaware Ave Separated Bikeway (Newark)	T201801501	Awaiting DelDOT
23	4/15/2020	Safe Routes to Downs Elementary School	T201769008	Awaiting DelDOT
24	4/23/2020	Safe Routes to Eisenberg Elementary School	T202069004	Awaiting DelDOT
25	4/27/2020	Denny Road and Lexington Parkway Intersection Improvements	T202004103	Awaiting DelDOT
26	5/11/2020	Safe Routes to McCullough Elementary School	T202069008	Awaiting DelDOT
27	8/19/2020	NCC - Transit Center (Christiana Mall)	T201353111	Awaiting DelDOT
28	9/1/2020	Harvey Road Channel Restoration	T201880208	Awaiting DelDOT
29	9/23/2020	SR 72, McCoy Road to SR 71	T200610102	Awaiting DelDOT
30	9/28/2020	Kennett Pike ADA Improvements	T202002601	Awaiting DelDOT
31	10/5/2020	Cleveland Ave PR	T201606115	Awaiting DelDOT
32	10/6/2020	Safe Routes to Montessori School	T201769011	Awaiting DelDOT
33	10/7/2020	Boyd's Corner Rd. - Cedar Ln to US13	T200712002	Awaiting DelDOT
34	10/21/2020	Rachel Court Drainage Improvements	T202003403	Awaiting DelDOT
35	11/3/2020	SR 141 and Amstel Drive	T202104103	Awaiting DelDOT
36	11/16/2020	SR 48 & SR 41 Intersection Improvements	T202104104	Awaiting DelDOT
37	12/18/2020	Monchanin Bridges - Replacement	T201807102	Awaiting DelDOT
38	12/28/2020	BR 1-655 on SR7 Limestone Road over CSX Railroad	T201807402	Awaiting DelDOT
39	1/6/2021	HEPNCC SR7 and Ascension Drive	T202101101	Awaiting DelDOT
40	1/7/2021	James St. Bridge - 8" SHP Bridge Installation - Phase II	T201504109	Ongoing
41	2/1/2021	Rehabilitation of BR 1-635E&W on SR 2 over Red Clay Creek	T202007407	Awaiting DelDOT
42	2/24/2021	T202106101 - P&R, North 1, 2021	T202106101	Awaiting DelDOT
43	3/5/2021	US13 Median Treatments - US40 to I-495	T201901104	Awaiting DelDOT
44	3/10/2021	Mill Creek Road and Stoney Batter Road Drainage Improvements	T202003402	Awaiting DelDOT
45	3/12/2021	Capitol Trail at Darwin Drive Intersection Improvements	T202000702	Awaiting DelDOT
46	3/23/2021	SR 41 at Milltown Road Curb Improvements	T202000701	Awaiting DelDOT
47	6/10/2021	Replacement of Bridge 1-133 on Breidablik Drive	T202107102	Awaiting DelDOT
48	7/12/2021	Old Capitol Trail, Newport Road to Stanton Road	T202104102	Awaiting DelDOT
49	8/17/2021	New Castle County Pipe Repair - Multiple Locations	T202103404	Awaiting DelDOT
50	8/20/2021	Replacement of Bridge 1-023A on N231 Guyencourt Road	T202007101	Awaiting DelDOT
51	8/25/2021	SR4 at SR62/Boxwood Road/Middleboro Road	T201900703	Awaiting DelDOT
52	8/31/2021	Old Baltimore Pike Culvert Replacements and Safety Improvements	T202107101	Awaiting DelDOT
53	9/15/2021	HEP NCC, SR 7 and Ascension Drive	T202100101	Awaiting DelDOT
54	10/6/2021	Replacement of Bridge 1-185 on Oak Ridge Road	T201407106	Awaiting DelDOT
55	10/15/2021	A, B & C St., Wilm. - Main Relocations	City of Wilmington	Ongoing
56	11/23/2021	Cantilever and Overhead Sign Structures, Open-End, FY23-25	T202107005	Awaiting DelDOT
57	12/14/2021	Commons Blvd Trail Phase 2, Airport Rd to SR 141		Awaiting DelDOT
58	12/29/2021	SR4/Harmony Road Intersection Improvements	T20211601	Awaiting DelDOT
59	3/23/2022	SR 4, Christina Parkway - Elkton Rd. to S. College Ave.	T200410301	Awaiting DelDOT
60	3/23/2022	Edgemoor Rd Bicycle and Pedestrian Improvements	T202201101	Awaiting DelDOT
61	4/20/2022	Replacement of Bridges 1-162, 1-183, 1-615, and 1-616 over Hyde Run	T202007104	Awaiting DelDOT
62	4/20/2022	I-295 Northbound, SR141 to US13	T202109101	Awaiting DelDOT
63	5/18/2022	BR 1-684 on N028 South Heald Street	T201607403	Awaiting DelDOT
64	6/21/2022	School Lane Pathway	T202201501	Awaiting DelDOT
65	6/22/2022	Walnut Street, 3rd Street to 16th Street	T200401101	Awaiting DelDOT
66	7/6/2022	BR 1-169 & 1-617 Old Lancaster Pike	T202207101	Awaiting DelDOT
67	7/25/2022	Christina River Floodgate Improvements	T202203401	Awaiting DelDOT
68	7/25/2022	SR 4, Ogleton Stanton Road/SR 7, Christiana Stanton Road Phase I, Stanton Split	T200011101	Awaiting DelDOT
69	9/7/2022	US 301 Median Barrier (Traffic)	T202211301	Awaiting DelDOT
70	10/3/2022	Rehabilitation of I-95, Viaduct Substructure Repairs	T201907403	Awaiting DelDOT
71	10/3/2022	SR48 Lancaster Pike & Loveville RD, Bicycle Improvements	T202103405	Awaiting DelDOT
72	10/14/2022	Shared Use Path, S.Church St to S.Walnut St.	T202212101	Awaiting DelDOT
73	11/3/2022	SR 1 and US 13 Southbound Merge	T202311001	Awaiting DelDOT
74	11/8/2022	Sear Boulevard Extension	T202209902	Awaiting DelDOT
75	12/5/2022	Glasgow Avenue, SR 896 to US 40	T202211901	Awaiting DelDOT
76	12/21/2022	WO2 on Carr Rd., PAR OE	T202301101	Awaiting DelDOT
77	2/22/2023	SR 41 & Graves Rd	T202300701	Awaiting DelDOT
78	2/27/2023	Old Baltimore Pike Side Path	T202301501	Awaiting DelDOT
79	2/27/2023	Elkton Rd Landscaping	T202204401	Awaiting DelDOT
80	2/27/2023	SR1 Bridge Replacements - Bridges 1-305, 390, 391 & 392	T201907101	Awaiting DelDOT
81	3/7/2023	New Castle Ave Area Sidewalk and Streetscapes	T202220001	Awaiting DelDOT

Appendix F

Capacity Expansion Projects

Forecast (2023 - 2027)

The priority of these capacity expansion projects may change and can be driven by several considerations, including but not limited to expiration dates of supply contracts, DelDOT paving projects, timing of annual inspections, right-of-way negotiation opportunities, customer requests, elimination or integration of regulator stations, seasonal system pressure/flow considerations, and strategic increases in system operating pressures. The following is a representation of capacity expansion projects that are under consideration but may not be reflected in the existing five-year LRP. For capacity expansion projects included in the LRP, see discussion under 6.1.2.1 Supply/Capacity/Load/System Pressure.

2023 Capacity Expansion Plan - Five Year Budget Timing and Estimated Pricing*									
FUTURE YEAR	CALENDAR YEAR	PROJECT	CATEGORY	MATERIAL	ROUGH** COST PER FOOT	ESTIMATED FEET	PROJECT TOTAL	ANNUAL TOTAL	
0	2023	Governor Printz - Engineering and Routing Study	Gas OHP Main Replacements				\$ 150,000		
0	2023	76ers to Swanwyck - Engineering and Routing Study	Gas OHP Capacity Improvements a/c Supply				\$ 150,000		
0	2023	TH 39 West Sub Regulator Rebuild	Gas Distribution Regulator Improvements	Regulator			\$ 500,000		
NEW	NEW	Academy Street / E. Park Place Loop	Gas Distribution Reliability Loop Improvements	4" Plastic	\$338	100	\$ 33,810		
0	2023	Frazer Road from Rose Hill Road to Denny Road	Gas Distribution Reliability Loop Improvements	8" Plastic	\$338	4,700	\$ 1,589,070		
0	2023	Frazer Road from Old County Road to Rose Hill Road	Gas Distribution Reliability Loop Improvements	8" Plastic	\$338	2,500	\$ 845,250		
0	2023	Wrangle Hill Rd - School House Rd TH to Rt 13 DART Bldg	Install Gas New Load Regulators	Regulator			\$ 500,000		ESNG ¼ / LNG ½
0	2023	ESNG: Regulator Looping Lorewood Grove West	Gas Distribution Main a/c Pressure Improvements	8" Plastic	\$338	7,000	\$ 2,366,700		
0	2023	ESNG: Regulator Looping Below Canal - RR Crossing	Gas Distribution Main a/c Pressure Improvements	Railroad			\$ 100,000		
0	2023	Frazer Road North Distribution	Gas Distribution Reliability Loop Improvements	8" Plastic	\$338	5,280	\$ 1,785,168		
0	2023	2" Choke Points - New London Rd	Gas Distribution Main a/c Pressure Improvements	8" Plastic	\$338	2,000	\$ 676,200	\$ 8,696,198	KPI
1	2024	Governor Printz Year 1	Gas OHP Main Replacements	16" Steel	\$796	5,667	\$ 4,510,100		
1	2024	Line V - 76ers to Swanwyck - Year 1	Gas OHP Capacity Improvements a/c Supply	16" Steel	\$796	3,000	\$ 2,387,700		
1	2024	Future Operations Regulator Rebuild - TH22 Coventry	Gas Distribution Regulator Improvements	Regulator			\$ 525,000		
1	2024	Gravenor Lane or Sandy Drive - Elkton Rd Reliability Loop	Gas Distribution Reliability Loop Improvements	8" Plastic	\$355	3,500	\$ 1,242,518		
NEW	NEW	Experimental Station backfeed to Route 202 Avenue North	Gas Distribution Main a/c Pressure Improvements	8" Plastic	\$355	5,800	\$ 2,059,029		
NEW	NEW	Experimental Station backfeed to Route 202 Avenue North	Install Gas New Load Regulators	Regulator			\$ 525,000		
NEW	NEW	Chestnut Hill Road from Independence to University	Gas Distribution Reliability Loop Improvements	4" Plastic	\$355	1,500	\$ 532,508		KPI
1	2024	Cavaliers Interconnect	Gas Distribution Reliability Loop Improvements	8" Plastic	\$355	4,000	\$ 1,420,020	\$ 13,201,874	ESNG ¼ / LNG ½
2	2025	Governor Printz Year 2	Gas OHP Main Replacements	16" Steel	\$836	5,667	\$ 4,735,605		
2	2025	Line V - 76ers to Swanwyck - Year 2	Gas OHP Capacity Improvements a/c Supply	16" Steel	\$836	3,000	\$ 2,507,085		
2	2025	Rebuild Buck Road TH31 Station or FTR 42	Gas Distribution Regulator Improvements	Regulator			\$ 551,250		
NEW	NEW	Hercules Road New TH and Lancaster Loop FTR-32	Install Gas New Load Regulators	Regulator			\$ 551,250		
2	2025	Year 1: College Ave I95 Bridge, loop the 8" with 12"	Gas OHP Main a/c Pressure Improvements	12" Steel	\$836	5,500	\$ 4,596,323		ESNG ¼ / LNG ½
2	2025	4" Valley Road Newark	Briarcreek North Valley Road Newark	4" Plastic	\$373	2,400	\$ 894,613		KPI
2	2025	Graves Road Loop	Gas Distribution Reliability Loop Improvements	6" Plastic	\$373	1,600	\$ 596,408	\$ 14,432,534	
3	2026	Governor Printz Year 3	Gas OHP Main Replacements	16" Steel	\$877	5,667	\$ 4,972,385		
3	2026	Line V - 76ers to Swanwyck - Year 3	Gas OHP Capacity Improvements a/c Supply	16" Steel	\$877	3,000	\$ 2,632,439		
3	2026	TH-18 Grubbs Landing Regulator Rebuild - Gov Printz	Gas Distribution Regulator Improvements	Regulator			\$ 578,813		
NEW	NEW	Year 2: College Ave I95 Bridge, loop the 8" with 12"	Gas OHP Main a/c Pressure Improvements	12" Steel	\$877	5,500	\$ 4,823,500		ESNG ¼ / LNG ½
3	2026	Tri-Woods Reliability Loop Regal Blvd	Gas Distribution Reliability Loop Improvements	6" Plastic	\$391	2,600	\$ 1,017,622		
NEW	NEW	Loop 4" with 8" at new Wrangle Hill TH; 11 PSI Drop	Gas Distribution Reliability Loop Improvements	8" Plastic	\$391	2,400	\$ 939,343	\$ 14,964,102	KPI
4	2027	Governor Printz Year 4	Gas OHP Main Replacements	16" Steel	\$921	5,667	\$ 5,221,005		
4	2027	Line V - 76ers to Swanwyck - Year 4	Gas OHP Capacity Improvements a/c Supply	16" Steel	\$921	3,000	\$ 2,764,061		
4	2027	Relocate TH28 (DuPont and Hazeldell) to Line V	Gas Distribution Regulator Improvements	Regulator			\$ 607,753		
4	2027	Future Operations Regulator Rebuild	Gas Distribution Regulator Improvements	Regulator			\$ 607,753		
4	2027	Barley Mill Rd at Buck Ridge Rd - Biden Residence	Gas Distribution Reliability Loop Improvements	8" Plastic	\$411	3,400	\$ 1,397,273		KPI
4	2027	Delaware City from TH109 to Fort Delaware Customers	Install New Development Distribution Main	8" Plastic	\$411	3,600	\$ 1,479,466		
4	2027	Delaware City from TH109 to Fort Delaware Customers	Install New Development Distribution Main	Canal Bore			\$ 500,000		
4	2027	Harmony Road and Oglestown-Stanton Road	Gas Distribution Reliability Loop Improvements	6" Plastic	\$411	800	\$ 328,770		
4	2027	Christina Riverfront South Market South Orange	Install New Development Distribution Main	8" Plastic	\$411	3,500	\$ 1,438,369	\$ 14,344,450	
5	2028	Governor Printz Year 5	Gas OHP Main Replacements	16" Steel	\$967	5,667	\$ 5,482,377		
5	2028	Line V - 76ers to Swanwyck - Year 5	Gas OHP Capacity Improvements a/c Supply	16" Steel	\$967	3,000	\$ 2,902,264		
5	2028	Future Operations Regulator Rebuild	Gas Distribution Regulator Improvements	Regulator			\$ 638,141		
5	2028	Year 1: Porter Road Distribution Loop EAST	Gas Distribution Reliability Loop Improvements	8" Plastic	\$432	3,000	\$ 1,294,532		
5	2028	Loop Marrows Road via White Chapel Drive	Gas Distribution Reliability Loop Improvements	8" Plastic	\$432	1,400	\$ 604,115		KPI
5	2028	Cox Neck Rd: Southern Elem Sch to Nowland Lane DC Loop	Gas Distribution Reliability Loop Improvements	8" Plastic	\$432	10,000	\$ 4,315,108	\$ 15,236,538	\$ 80,875,695

Source: Delmarva Power Natural Gas Five Year Capacity Expansion Plan, Gas System Planning

Capacity Expansion Projects

Planning Process (As outlined in Management Model GO-DE-P002)

Customer Load Updates:

Receive monthly customer usage reports from Information Technology which list the loads for each core customer.

Utilize the Customer Management Module (CMM) to geographically locate and load the Synergi model.

Transportation Customer Load Updates:

Utilize the existing list of customers Maximum Daily Quantities (MDQs) to load the Synergi model. Receive ongoing updates of additions or changes to these loads from Gas Operations.

Adjust the Synergi model accordingly.

New Business Load Updates:

Actively participate in New Business planning meetings which identify the timing of potential new loads.

Utilize this information to determine when and where new loads are expected over the next five years and update the Synergi model accordingly.

On an ongoing basis receive requests from New Business for customer load additions as these requests are received.

Work closely with New Business to engineer the appropriate core piping systems that are required to support these new firm loads on design day.

System Piping Updates:

Receive ongoing updates of additions or changes to the Delmarva LDC pipeline system from the Drafting Group.

Input these additions or changes into the Synergi model.

Upstream Supply Updates:

Working closely with the Gas Supply Team, participate in the creation of the Gas Supply Plan which is filed with the Public Service Commission (PSC).

Identify the contractual limitations of Delmarva's upstream supplies at each Gate Station, using the Synergi model to ensure that actual flows do not exceed contractual limitations.

Notify the Gas Supply Team when design day firm system demand exceeds existing contractual limitations.

Synergi Model Results:

On a continuous basis, as any changes or updates occur, balance the Synergi model and analyze the results.

Identify areas where pressure, supply, and/or velocity (pressure drop across a pipe segment) fall outside of expected norms.

Combining engineering design practices with professional judgement, recommend solutions that provide a reliable firm gas system based upon design day conditions.

Construction Cost Updates:

Work closely with Gas Engineering to determine reasonable cost/foot estimates for any required capital projects.

ENDNOTES

ⁱ Since the MSTG program's inception in 2014, Delaware communities have benefitted with gas mains extended to serve 42 New Castle County subdivisions, as follows:

- 1) Beech Hill
- 2) Drummond North
- 3) Edenridge
- 4) Garfield Park
- 5) Hillstream
- 6) Jarrell Farms
- 7) Sherwood Park I & II
- 8) Limestone Gardens
- 9) Canterbury Hills
- 10) Four Seasons
- 11) Stuyvesant Hills
- 12) Charter Oaks
- 13) Windsor Hills
- 14) Brandywood
- 15) The Woods
- 16) Ainsley Woods
- 17) Carousel Knoll
- 18) Ardencroft
- 19) Heritage Park
- 20) Grendon Farms
- 21) The Highlands at Heritage Park
- 22) Deacons Walk
- 23) North Star
- 24) Wood Creek
- 25) Duncan Glen
- 26) Northwood
- 27) Drummond Hill
- 28) Meeting House Hill
- 29) Limerick
- 30) Wellington Hills
- 31) Stirrup Run
- 32) Hyde Park

- 33) Hills of Skyline
- 34) LynnField
- 35) Rolling Meadows
- 36) Covered Bridge Farms
- 37) Piermont Woods
- 38) Bridleshire Farms
- 39) Lambeth Riding
- 40) Chestnut Valley
- 41) Village of Lindell
- 42) Mendenhall Village

ii Planned projects listed by ITNs are blanket projects unless otherwise noted.

iii The Company's Area 1 consists of the following locations:

Wilmington, Claymont and Hockessin

iv The Company's Five Year Capacity Expansion Plan is updated annually, in June of each year.

ATTACHMENTS

Attachment 1 Confidential: Cast Iron Renewal Projects

Attachment 2 Confidential: Capacity Expansion Projects

(This document will be updated in the Final August 2023 filing, as the 2023 Capacity Expansion Plan document is scheduled to be filed in June 2023.)

Attachment 3 Confidential: Capacity Expansion Projects, Synergi Model Maps (2023 – 2027)

Attachment 4 Confidential: Wilmington LNG Project