

October 17, 2022

VIA ELECTRONIC MAIL ONLY

Carmen D. Diaz, Acting Secretary
New Jersey Board of Public Utilities
44 S. Clinton Ave
Trenton, NJ 08625
Board.secretary@bpu.nj.gov

**Re: Annual Progress Report of Jersey Central Power & Light Company –
Program Year 2022
DOCKET NOS. QO1901040, QO19060748 & QO17091004**

Dear Secretary Diaz:

Pursuant to the Board’s current filing procedures, Jersey Central Power & Light Company (“JCP&L” or “Company”) hereby files its Annual Progress Report for Program Year 2022¹ (“PY22”) with respect to its Clean Energy Act of 2018 Energy Efficiency (“EE”) and Peak Demand Reduction (“PDR”) Programs.

Energy Efficiency Program Progress - Executive Summary:

Overall Portfolio

In the months preceding the launch of the Company’s programs on July 1, 2021, JCP&L focused on establishing the infrastructure and program partners needed to smoothly transition certain offerings previously made by New Jersey’s Clean Energy Program (“NJCEP”), launching coordinated program offerings in conjunction with other New Jersey Utilities² (“Joint Utilities”), and providing new expanded energy efficiency opportunities for the Company’s customers. JCP&L developed its EnergySaveNJ website³, providing a comprehensive resource for home and business customers to view the Company’s energy efficiency opportunities and other educational materials for customers and trade allies. JCP&L also devoted significant time and resources working in conjunction with the Joint Utilities to develop coordinated Core and Additional program offerings as envisioned in the NJ Board of Public Utilities’ June 10, 2020 Order⁴.

¹ Program Year 2022 runs from July 1, 2021, through June 30, 2022. For the purposes of this and subsequent quarterly reports, the quarterly periods are defined as follows: Q1 (7/1-9/30); Q2 (10/1- 12/31); Q3 (1/1- 3/31); Q4 (4/1 - 6/30).

² The Joint Utilities include Atlantic City Electric, New Jersey Natural Gas, Public Service Electric & Gas Company, Rockland Electric Company, and SJI Utilities, Inc. (d.b.a. Elizabethtown Gas Company and South Jersey Natural Gas Company).

³ <http://www.energysavenj.com/>

⁴ See generally, In the Matter of the Implementation of L. 2018, c. 17 Regarding the Establishment of Energy Efficiency and Peak Demand Reduction Programs, Docket No. 19010040. Capitalized terms not otherwise defined herein have the same meaning as used in this Order.

JCP&L offered all program elements scheduled for launch through Plan Year 1 of its 2021-2024 Triennial Energy Efficiency and Conservation Plan⁵ (“EEC Plan” or “Plan”), as shown in the following table. JCP&L utilizes Third Party Implementation Contractors (“TPIC”) in the implementation of program offerings.

Targeted Sector	Program Type	Program Element	TPIC	Launch Date
Residential	Core	HVAC	CLEA Result	7/1/2021
Residential	Core	Appliance Rebates	CLEA Result	7/1/2021
Residential	Core	Appliance Recycling	ARCA	7/1/2021
Residential	Core	EE Kits	AM Conservation Group	12/1/2021
Residential	Core	Lighting	CLEA Result	7/1/2021
Residential	Core	Online Marketplace	AM Conservation Group	9/15/2021
Residential	Core	Home Performance with ENERGY STAR	CLEA Result	7/1/2021
Residential	Additional	Quick Home Energy Check-up	CLEA Result	9/1/2021
Residential	Additional	Moderate Income Weatherization	CLEA Result	9/1/2021
Residential	Additional	Home Energy Education and Management Program	Oracle	7/1/2021
Commercial & Industrial	Core	C&I Direct Install	Willdan	7/1/2021
Commercial & Industrial	Core	C&I Prescriptive and Custom	TRC	7/1/2021
Commercial & Industrial	Additional	Energy Solutions for Business Energy Management	Willdan	10/1/2021
Commercial & Industrial	Additional	Energy Solutions for Business Engineered Solutions	Willdan	10/1/2021
Multifamily	Core	Multifamily Direct Install	CLEA Result	7/1/2021
Multifamily	Core	Multifamily Home Performance with ENERGY STAR	CLEA Result	7/1/2021
Multifamily	Core	Multifamily Prescriptive	CLEA Result	7/1/2021
Multifamily	Core	Multifamily Custom	CLEA Result	7/1/2021
Multifamily	Core	Multifamily Engineered Solutions	CLEA Result	10/1/2021

The full suite of program offerings delivered in the fourth quarter produced over 15,564 MWh, or 13.79% of the PY22 annual target as filed in JCP&L’s EEC Plan. Combined with prior savings, year-to-date savings achieved over 92,724 MWh, or 82% of the PY22 annual target as filed in JCP&L’s EEC Plan. As JCP&L continues steady-state operations for all offerings, levels of energy savings are expected to grow significantly in future reporting periods across all programs. Details of specific offerings are shown throughout this report and in Appendix B.

As part of JCP&L offerings, the Company provides access to no-cost financing to address initial cost barriers and to promote participation of all customers for applicable equipment. Beginning on September 7, 2021, qualifying customers had access to financing for specific equipment in both the Efficient Products and Existing Homes programs using the Company’s third-party financing provider, National Energy Improvement Fund (“NEIF”). In the second quarter of PY22, customer financing expanded to include the remaining applicable programs including the Commercial & Industrial Direct Install program with Prescriptive and Custom segments of the Energy Solutions for Business program. Over the course of PY22, NEIF has provided \$999,629 in loans to 90 residential customers and \$973,698 in loans to 27 commercial and industrial customers through JCP&L’s programs.

The Utilities continue to work on the development of the Statewide Coordinator (SWC) system that will facilitate the exchange of both investments and energy savings between a Lead Utility⁶ and a Partner Utility⁷. As of the date of this report, the SWC system is not yet fully tested and operational, therefore the utilities have not yet transferred information for expenditures and energy savings. As discussed during Utility Working Group meetings, Utilities are supporting the incentives for comprehensive projects that address both fuels with the

⁵ See generally, In the Matter of the Verified Petition of Jersey Central Power & Light Company for Approval of JCP&L’s Energy Efficiency and Conservation Plan Including Energy Efficiency and Peak Demand Reduction Programs (JCP&L EE&C), Docket No. EO20090620.

⁶ Lead Utility – the utility that has the initial relationship with the customer for the EE savings measure or project (i.e., is responsible for customer intake) and leads on the calculation of savings, disbursements of rebates, or incentives and customer financing options, as applicable.

⁷ Partner Utility – the utility that works through a Lead Utility in providing coordinated program offerings.

intention to transfer all information through the SWC when the system is operational and integrated with each utility's program management software and tracking system. Accordingly, the information reflected within this report reflects all investments and financing made by JCP&L, including those as the Lead Utility on behalf of a Partner Utility. Energy savings shown within this report only reflects savings for JCP&L's primary fuel.

COVID-19 and Economic Impacts

JCP&L closely monitors developments related to COVID-19. The Company's primary focus during the pandemic is to protect the health and safety of our customers, employees, and contractors. As the pandemic continues, the Company will continue to closely monitor operations for both Residential and C&I programs, and to follow all guidance and directives provided by federal, state, and local governmental authorities.

The effects of the COVID-19 pandemic are being seen in program performance – for example, lower contractor participation, labor shortages, supply chain issues and return-to-work impacts. Programs that require customer interaction with third parties are being impacted due in large part to customer hesitancy about having people in their homes or businesses. In addition, many business owners are focused on reclaiming business lost as a result of the pandemic and are reluctant to invest in energy efficiency projects during this time of uncertainty due to capital budget constraints. Rising inflation has proved to be a barrier to program participation; with increasing labor and material costs, customers are hesitant to move forward with investment in energy-efficiency. The Company expects JCP&L's program performance to improve as impacts of the pandemic lessen.

Residential Sector

The Company and its TPICs spent the first program year delivering programs and educating customers, contractors, and retailers on the JCP&L suite of Residential programs. The Company worked diligently with the Joint Utilities to provide consistency between offerings and share best practices. Program elements contained in the Company's approved EEC Plan but not listed below will be launched at a later date.

The following programs contributed savings in the reporting period:

Efficient Product Program

- The HVAC offering processed rebates for over 1,200 units of HVAC equipment during PY22. 16 SEER central air conditioners accounted for the majority of savings through the HVAC offering. The Company marketed the rebate offerings to customers via bill inserts and emails. JCP&L continued to work on educating HVAC contractors and distributors on the program and educated contractors on JCP&L's third-party financing program through NEIF.
- The Appliance Rebates offering processed rebates for over 4,900 appliances during PY22. The offering was marketed via digital ads, bill inserts, e-mail, via the Online Audit offering, and in retail locations. The Company completed over 1,700 store visits throughout the first program year, placing promotional signage and educating retail employees on rebates available to customers.
- The Company responsibly picked up and recycled 5,223 refrigerators and freezers and 927 room air conditioners and dehumidifiers through the Appliance Recycling offering in PY22. This offering is marketed to customers through the Company website, bill inserts, paid search ads, social media posts, e-mails, in retailers, in the Company's Online Audit offering, and through inserts in the Company's Energy Efficiency kits.
- The Company's Lighting offering is driving a high level of savings within the Efficient Products Program. Customers purchased and received instant discounts on over 300,000 packages of high-efficient lighting in retail locations throughout the Company's service territory during the first program year. The Company visited retail locations in our service territory and continues to provide lighting demonstrations and education for customers. The Company also partnered with foodbanks during the fourth quarter and

distributed over 8,000 kits with a 4-pack of LED bulbs, a smart strip, and information about JCP&L's suite of programs.

- The Company's Online Marketplace received 5,499 orders resulting in the sale of 11,686 products. Smart Thermostats accounted for 69% of the products sold during the PY22. The Online Marketplace was marketed on the Company website, bill inserts, in the Company's Online Audit tool, through e-mails, and social media posts.
- Through the Company's Energy Efficiency ("EE") Kits offering, over 75,000 EE Kits were delivered to new residents and customers upon request in the first program year. The EE Kits include easy-to-install energy efficiency measures, as well as educational and promotional materials on other EEC program offerings.

Existing Homes Program

- The Home Performance with ENERGY STAR ("HPwES") subprogram completed 33 projects in the first program year. The Company participates in a monthly meeting with the other utilities across the state to work with contractors regarding the subprogram. This subprogram was marketed through bill inserts, direct mail, through display ads on the internet, in the Company's Online Audit tool, and in the Company's Energy Efficiency Kits.
- The Quick Home Energy Check-up ("QHEC") subprogram performed 581 audits during PY22. The program was marketed through bills inserts, direct mail and emails, display ads on internet searches, in the Company's Online Audit tool, and in Energy Efficiency Kits throughout the year. During the QHEC, customers had items installed in their homes such as LED lighting, smart strips, low flow showerheads, and aerators. The contractor then educates customers on steps to take to conserve energy in their homes, and about additional programs offered by JCP&L.
- The Moderate-Income Weatherization subprogram completed 103 audits that included direct install items, such as LED lighting, smart strips, low flow showerheads, aerators, etc. during the first year of the subprogram. During the initial audit, contractors identify comprehensive measures that would be beneficial for a customer's energy usage, and fixed health and safety barriers needing correction prior to additional work being completed in the home. Through phone calls and direct mail campaigns, this subprogram targets customers that had incomes too high to previously qualify for Comfort Partners. The subprogram also screens customers through the QHEC offering to identify those customers that would be better served under this subprogram.

Home Energy Education and Management Program

- Over 9,500 customers completed the Company's Online Audit tool, the Home Energy Analyzer, in the first program year. Customers taking the Online Audit enter specific information about their homes and receive information about where the home is using the most energy. Customers then receive tips for how to save energy in their home and education on available energy efficiency programs offered by JCP&L.

Commercial & Industrial Sector

The Company and its TPICs focused on delivering programs and educating customers and contractors on the JCP&L suite of Commercial & Industrial ("C&I") programs. The Company worked diligently with the Joint Utilities to provide consistency between offerings and share best practices, where applicable.

- The C&I Direct Install Program focused on installation of efficiency measures for small businesses and other non-residential customers with an average annual demand of 200 kW or less. The program is designed to provide eligible customers with free energy assessments and direct installation of energy efficiency projects. The program pays a percentage of up-front costs and participating customers contribute the balance of project costs not covered by incentives. To help with capital funding of the costs not covered by incentives, customers have an option to finance certain project costs through JCP&L with zero percent financing for up to 5 years. During PY22, to increase program awareness and participation,

Willdan continued its outreach and marketing campaigns through multiple channels, including attending local Chamber of Commerce events, by on-boarding over 20 participating program allies who have been trained to promote and sell this program to qualifying customers, by conducting an out-bound calling campaign targeting eligible customers and hosting two (2) in-person roundtable events with participating program allies. As a courtesy services for our customers, Willdan created a list of participating program allies on the program website. Willdan also hosted multiple financial program trainings for these program allies. To increase participation by customers located in the Overburdened Communities/Opportunity Zones/Urban Enterprise Zones, Willdan created a Spanish language FAQs guide that is posted on the program website. Willdan also recruited a diverse group of trade allies that have experience in working with customers located in these communities/zones. In PY22, Willdan and its participating trade allies completed free facility assessments at 16 customer sites located in these targeted communities/zones. The Company continues to leverage internal resources – through customer support representatives and regional external affairs consultants – to promote the program to assigned accounts (*i.e.*, selected customers with large and/or national commercial accounts).

- The C&I Energy Management subprogram targets energy savings for existing commercial and industrial facilities by providing a holistic approach to improving the overall operation and energy performance of buildings and building systems. This is achieved through an offering of the following five measures under this subprogram: a) HVAC Tune-Up; b) Building Tune-Up; c) Retro-Commissioning; d) Building Operation Training; e) Strategic Energy Management. JCP&L launched this subprogram on October 1, 2021 and hired Willdan as its TPIC. To launch this offering, Willdan developed a focused website and added FAQs and Program Ally Application. Willdan actively promotes this subprogram through multiple marketing channels to customers above 200 kW demand. Willdan also recruited participating program allies that have experience in delivering services such as Retro-Commissioning, Building Tune-Up and HVAC Tune-Up. JCP&L actively worked with other EDCs/GDCs to develop and deliver Building Operation Training to the municipal and school customers. To promote availability of financing to above 200 KW customers that are looking to participate in this program, Willdan worked with NEIF to host multiple financial training sessions for the participating program allies. The Company also leveraged internal resources – through customer support representatives and regional external affairs consultants – to promote the program to assigned accounts.
- Energy Solutions for Business-Engineered Solutions: This subprogram provides tailored energy-efficiency assistance to public service entities, such as municipalities, universities, schools, hospitals, and healthcare facilities (MUSH) and non-profit entities. This subprogram provides a guided consultative service throughout the project delivery cycle, starting with an in-depth facility audit as well as detailed assessment and recommendations of energy efficiency measures that could be economically installed with no up-front funding from the customer. JCP&L launched this subprogram on October 1, 2021 and hired Willdan as its TPIC. To launch this offering, Willdan launched a focused website and added FAQs and Program Ally Application. Willdan actively promotes this subprogram through multiple marketing channels, including through its list of participating program allies, to customers above 200 kW demand. To promote availability of financing to above 200 KW customers that are looking to participate in this program, Willdan worked with NEIF to host multiple financial training sessions for the participating program allies. The Company also leveraged internal resources – through customer support representatives and regional external affairs consultants – to promote the program to assigned accounts.
- The C&I Prescriptive and Custom Measure subprogram promotes the installation of high efficiency electric and/or natural gas equipment by the Company's C&I customers. The subprogram provides prescriptive-based incentives to purchase and install energy efficient products. The offering supports downstream approaches to capture scheduled replacement activities in the market. The subprogram also provides midstream incentives (aka instant discounts or buydowns) to capture the emergency replacement activities in the market. This program is also designed to support manufacturers, distributors, contractors, and retailers that sell select energy efficient products and services. Measures supported by the subprogram

include energy efficient lighting, appliances, heating and cooling equipment, and food service equipment, among other efficiency measures. JCP&L hired TRC to serve as the TPIC for this program. As a courtesy services for our customers, TRC created a list of participating program allies on the program website. Customers are able to search by program alley name or business type. Since the launch of the program in July 2021, TRC expanded the program offering by adding Type A, B, AB, and C LED Linear Replacement Lamps as eligible measures under the subprogram. To keep the market engaged and to continue to increase program awareness and participation, TRC continued its outreach and marketing campaigns through multiple channels – hosting webinars for customers and program allies, undertaking e-blasts, calling campaigns and digital ad campaigns, attending outreach events, and developing new marketing materials. To understand challenges faced by program allies, TRC hosted two (2) in-person program alley roundtable events. To help customers with capital funding of qualified projects, TRC added a link to the Company’s financing program and hosted a training session for the registered program allies on this financing program. To better meet the needs of non-English speaking customers, TRC translated program FAQs, Incentive Guide and Quick Reference Guide into Spanish. Using Google Translator, TRC translated the program website to Spanish. In PY22, TRC initiated specific steps to reach customers in the Overburdened Communities (OBC)/Opportunity Zones (Oz)/Urban Enterprise Zones (OEZ) as defined by the NJ Dept. of Environmental Protection (NJDEP). To that end, TRC implemented a GIS Mapping tool to identify and target customers in these communities/zones. In February, TRC hosted a webinar focused on reaching customers in these communities/zones. In PY22, TRC launched mid-stream (instant discount) lighting, HVAC and food services offerings and recruited lighting, HVAC, and food services distributors in these offerings. To promote this new delivery channel, TRC created e-blasts, point of purchase counter signs, an instant discount incentive guide and enhanced the existing program website. The Company continues to leverage internal resources – through customer support representatives and regional external affairs consultants – to promote the subprogram to assigned accounts. The Company picked up and responsibly recycled 39 refrigerators and freezers and 7 room air conditioners and dehumidifiers through the C&I Appliance Recycling offering during the first program year.

Multifamily Sector

The Multifamily Direct Install program performed 185 audits during PY22. In April, the Company and its TPIC participated in both the Property Owners Expo and presented about the Multifamily program to the Environmental Commission of Manchester Township.

Table 1 – Program Year 2022 Retail Sales

Table 1 shows the Company’s overall performance as a percentage of retail sales, which includes retail sales reductions achieved by the Comfort Partners program, which is the primary program serving low-income customers and is co-managed by the Division of Clean Energy in conjunction with JCP&L and the other investor-owned electric and gas utility companies. [For those utilities that have other programs it should be noted.]

Recognizing the transition to utility programs, the Board’s June 10, 2020 CEA Order did not establish specific energy use reduction requirements for PY 22. Annual targets will become applicable in future years.

Utility-Administered Programs ex-ante energy savings ^{1,2} (MWh)	Comfort Partners ex-ante energy savings (MWh) ^{1,2}	Other Programs ex-ante energy savings (MWh) ^{2,4}	Total ex-ante energy savings (MWh) ^{1,2}	Compliance Baseline (MWh) ³	Annual Target (%)	Annual Target (MWh)	Percent of Annual Target (%)
(A)	(B)	(C)	(D) = (A)+(B)+(C)	(E)	(F)	(G) = (E)*(F)	(H) = (D) / (G)
92,724	926	-	93,650	20,312,466	0.00%	-	N/A

¹ Calculated savings at the retail (customer meter) level. Savings are estimated from participation counts and TRM calculations, where applicable.

² Encompasses all ex-ante savings for the Plan Year, including prior period adjustments.

³ Calculated as average annual electricity usage in the prior three plan years (i.e., July – June) per N.J.S.A. 48:3-87.9(a). Details are provided in Appendix E.

⁴Other Programs includes Company-specific programs that are not part of the Clean Energy Act (CEA) energy efficiency programs and Comfort Partners, such as legacy programs and pilots. JCP&L does not have any approved Other Programs.

Individual line items or totals as listed in Table 1 may slightly differ from values reported elsewhere due to rounding.

Figure 1 shows energy savings achievements compared against expenditures.

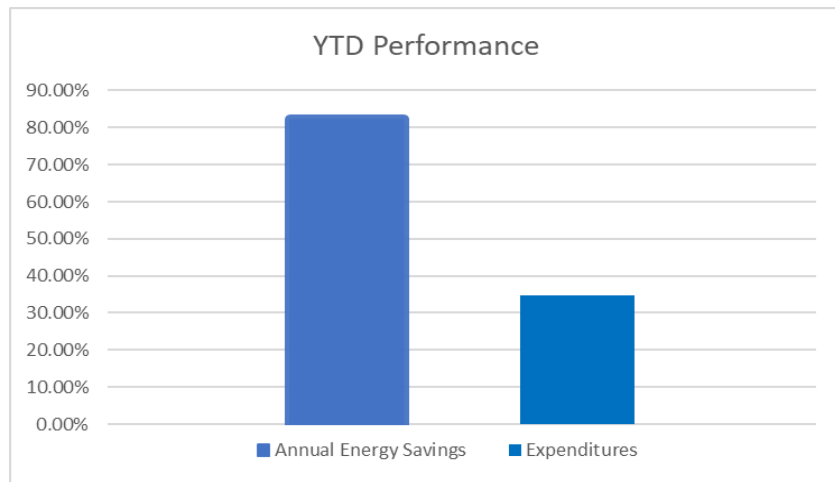


Figure 1: PY22 performance of Annual Energy Savings and Budget

Table 2 – Quantitative Performance Indicators

Table 2 provides the results of the QPIs for all programs for which utilities are responsible, inclusive of the CEA-funded programs, Comfort Partners program (only included in low/moderate income lifetime savings), and, if applicable, any legacy energy efficiency programs administered by JCP&L that were authorized or funded by or through a prior filing or authorization (“Other Programs”)⁸.

As shown in the following table, JCP&L achieved 93,650 MWh of annual energy efficiency savings and 1,285,684 MWh of lifetime savings in this period.

	Utility-Administered Plan Year Results	Comfort Partners Plan Year Results	Other Programs Plan Year Results	Total Plan Year Results	Annual Target ¹	Percent of Annual Target Achieved
Annual Energy Savings (MWh)	92,724	926		93,650	112,888	83%
Lifetime Savings (MWh)	1,232,768	52,916		1,285,684	-	
Annual Demand Savings (MW)	8.30	0.19		8.49		
Lifetime Persisting Demand Savings (MW-year) ²	110.38	10.77		121		
Low/Moderate-Income Lifetime Savings (MWh)	1,824	52,916		54,740		
Small Commercial Lifetime Savings (MWh)	5,260			5,260		
Net Present Value of Utility Cost Test Net Benefits (\$) ³	136,716,395			136,716,395		

¹Annual Targets reflect estimated impacts as filed in the Company's 2021-2024 EEC Plan

²Reflects Annual Demand Savings multiplied by the Effective Useful Life of installed equipment

³Cost Effectiveness impacts are not calculated for Comfort Partners or Other Programs

Sector-Level Participation, Expenditures, and Annual Energy Savings

There were no adjustments to budgets or incentives and no requests were made to Staff for adjustments during this period. Participation details are listed below for the various sectors.

Participation

Residential Sector

Residential sector participation is being driven by customer activity in Lighting and Energy Efficient Kits, though customers are participating in all other Residential program offerings. The Residential sector achieved 36% of its annual Plan forecast through the reporting period.

Commercial & Industrial

Participation in the C&I sector is mainly driven by customer activity in the Direct Install and Prescriptive/Custom program plus the mid-stream lighting offering. The Commercial & Industrial sector achieved less than 1% of its annual Plan forecast through the reporting period. JCP&L anticipates participation levels will grow across all programs within the sector in PY23.

⁸ JCP&L did not have any authorized Other Programs.

Multifamily

Multifamily sector participation began to ramp up near the end of PY22. The Multifamily sector only achieved 9% of the PY22 annual Plan forecast. As a result of activities in PY22, the Company has a pipeline of work to complete in quarter one of PY23.

Table 3– Sector-Level Participation

Sector ¹	Quarter Participants	YTD Participants	Annual Forecasted Participants ⁴	Percent of Annual Forecast
Residential	66,316	416,505	1,165,738	35.73%
Multifamily	185	185	1,984	9.32%
C&I	120	227	223,369	0.10%
Reported Totals for Utility Administered Programs ³	66,621	416,917	1,391,091	29.97%
Comfort Partners ²	197	800	5,985	N/A
Utility Total ³	66,818	417,717	1,397,076	N/A

¹ Please note that these numbers are totals across all programs within a sector. The appendix shows the participation numbers for individual programs.

² Comfort Partners, the primary program serving low-income customers, is co-managed by the Division of Clean Energy in conjunction with JCP&L and the other investor-owned electric and gas utility companies. Comfort Partners participation forecast is for the State in total and not available on an individual utility basis. Accordingly, the “Percent of Annual Forecast” is not calculable for each individual utility.

³ Individual line items or totals as listed in this Table may slightly differ due to rounding.

⁴ Annual targets reflect values as estimated in the Company's EEC Plan.

Percent of Annual Forecast values as shown in Table 3 are largely influenced by differing participant definitions in the Company’s report versus definitions as filed in JCP&L’s EEC Plan. Participant definitions used in this report and detailed in Appendix A reflect consensus definitions for the first Triennium as aligned with the Joint Utilities.

Expenditures

Residential Sector

The Residential sector spent 45% of its annual Plan budget through the reporting period.

Commercial & Industrial Sector

The Commercial & Industrial sector spent 21% of its annual Plan budget through the reporting period.

Multifamily Sector

The Multifamily sector spent 18% of its annual Plan budget through the reporting period.

Table 4 –Sector-Level Expenditures

Expenditures ¹	Quarter Expenditures (\$000)	YTD Expenditures (\$000)	Annual Budget Expenditures ⁴ (\$000)	Percent of Annual Budget
Residential	\$ 2,868	\$ 12,036	\$ 26,580	45.28%
Multifamily	\$ 90	\$ 336	\$ 1,870	17.98%
C&I	\$ 936	\$ 3,451	\$ 16,782	20.57%
Reported Totals for Utility Administered Programs ³	\$ 3,894	\$ 15,823	\$ 45,232	34.98%
Comfort Partners ²	\$ 1,068	\$ 3,863	\$ 5,050	N/A
Utility Total ³	\$ 4,963	\$ 19,687	\$ 50,282	N/A

¹ Expenditures include rebates, incentives, and loans, as well as program administration costs allocated across programs.

² Comfort Partners, the primary program serving low-income customers, is co-managed by the Division of Clean Energy in conjunction with JCP&L and the other investor-owned electric and gas utility companies. Comfort Partners participation forecast is for the State in total and not available on an individual utility basis. Accordingly, the “Percent of Annual Forecast” is not calculable for each individual utility.

³ Individual line items or totals as listed in this Table may slightly differ due to rounding.

⁴ Annual targets reflect values as estimated in the Company's EEC Plan.

Annual Energy Savings

Residential Sector

During PY22, JCP&L focused on working with its TPICs to deliver programs and educate customers, contractors, and retailers on the JCP&L suite of Residential programs. Through PY22, the residential sector achieved nearly 128% of its annual target.

Commercial & Industrial

During PY22, JCP&L focused on working with its TPICs to increase program awareness and participation in all C&I programs, including the mid-stream lighting program. Through PY22, the Commercial & Industrial sector achieved nearly 13% of its annual target. JCP&L anticipates energy savings levels will grow across all programs within the sector in PY23.

Multifamily

During PY22, JCP&L focused on working with its TPICs and other Joint Utilities to implement the Multifamily program. The Company continues to educate building owners on the benefits of this program. The Multifamily sector achieved 2% of its annual target.

Table 5 – Sector-Level Energy Savings

Annual Energy Savings ¹	Quarter Retail (MWh)	YTD Retail (MWh)	Annual Target Retail Savings ⁴ (MWh)	Percent of Annual Target
Residential	13,123	87,275	68,456	127.49%
Multifamily	22	22	1,110	2.02%
C&I	2,420	5,427	43,321	12.53%
Reported Totals for Utility Administered Programs ³	15,564	92,724	112,887	82.14%
Comfort Partners ²	292	927	5,026	N/A
Utility Total ³	15,856	93,651	117,913	N/A

¹ Annual energy savings represent the total expected annual savings from all energy efficiency measures within each sector. Appendix B shows the annual energy savings results for individual programs or offerings.

² Comfort Partners participation forecast is for the State in total and not available on an individual utility basis. Accordingly, the “Percent of Annual Target” is not calculable for each individual utility.

³ Individual line items or totals as listed in this Table may slightly differ due to rounding.

⁴ Annual targets reflect values as estimated in the Company’s EEC Plan.

Portfolio Expenditures Breakdown

The following table provides quarterly, and Year to Date (“YTD”) costs as compared to the full-year budget as filed in JCP&L’s EEC Plan. Company costs for the reporting period were 34.98% of the PY22 budget. JCP&L focused this quarter on transitioning to steady-state operations and TPIC start-up activities for new offerings and anticipates spending will accelerate once all programs are fully operational.

Table 6– Annual costs and budget variances by category

Total Utility EE/PDR ¹	Quarter Reported (\$000)	YTD Reported (\$000)	Full Year Budget (\$000)	Percent of Annual Budget
Capital Costs	\$ -	\$ -	\$ -	0.00%
Utility Administration	\$ 648	\$ 2,369	\$ 4,275	55.41%
Marketing	\$ 216	\$ 561	\$ 1,647	34.04%
Outside Services	\$ 898	\$ 4,639	\$ 12,431	37.32%
Rebates ²	\$ 1,854	\$ 7,676	\$ 22,500	34.12%
No- or Low-Interest Loans	\$ 89	\$ 173	\$ 2,376	7.26%
Evaluation, Measurement & Verification (“EM&V”)	\$ 189	\$ 406	\$ 1,698	23.93%
Inspections & Quality Control	\$ -	\$ -	\$ 307	0.00%
Utility EE/PDR Total ³	\$ 3,894	\$ 15,823	\$ 45,233	34.98%

¹ Categories herein align to JCP&L’s EEC plan as approved by the BPU.

² Rebates category includes rebates and other direct investments.

³ Individual line items or totals as listed in Table may slightly differ due to rounding.

Equity Metrics

JCP&L devoted considerable time during PY22 to the development of infrastructure and processes supporting equity metric reporting. These equity metrics draw from the considerable work of the New Jersey Office of Environmental Justice's Overburdened Community (“OBC”) designations. Per New Jersey’s Environmental Justice Law, N.J.S.A. 13:1D-157, census block groups are identified as being an “Overburdened Community” when certain census criteria are met⁹, and metrics reported herein reflect further direction from BPU Staff¹⁰. JCP&L utilized this framework to develop tools and methodologies mapping geocoordinates for all customers that indicate if the location is inside or outside of an Overburdened Community and screened all incoming energy efficiency program participation utilizing this same methodology. This data is compiled into Table 7 detailing PY22 Equity Performance. JCP&L will continue to monitor these metrics as programs and offerings mature throughout the Triennial period.

Residential Sector

The Company distributed over 8,000 lighting kits, consisting of 4 9W LED bulbs and an advanced power strip, to foodbanks across the territory during the first program year. The Company held educational events during the first program year in OBC areas at Lowe’s in Hackettstown, NJ and The Home Depot’s in Newtown and Dover, NJ. During these events, representatives highlighted efficient lighting technologies and educated several customers on LEDs--effectively moving the customers from purchasing CFLs to choosing to purchase LEDs. The Company also visited stores in OBC areas over 300 times during the program year for various reasons, such as placing marketing on appliances and lighting, as well as educating retailers on available rebates.

Commercial & Industrial Sector

During PY22, TRC initiated steps to reach customers in the OBCs--implementing a GIS Mapping tool to identify and target customers in these areas. These customers received an eblast invitation to a dedicated webinar about benefits and how to participate in the programs. The webinar was held in February and had 56 unique attendees. To better meet the needs of non-English speaking customers, TRC translated program FAQs, Incentive Guides and Quick Reference Guides into Spanish. Using Google Translator, TRC translated the program website to Spanish. Similar to the efforts undertaken by TRC, Willdan took necessary steps in PY22 to reach customers located in OBCs, Willdan created a Spanish language FAQs that is posted on the program website. Willdan also recruited a diverse group of trade allies that have experience in working with customers located in these communities. In PY22, Willdan and its participating trade allies completed free facility assessment at 16 customer sites that are located in these areas.

Multifamily

To date, there has been no specific activities for Multifamily in overburdened communities. JCP&L focused on widespread education to begin gaining traction in the program and will then turn its focus to specific communities.

9 Per N.J.S.A. 13:1D-157: (1) at least 35 percent of the households qualify as low-income households; (2) at least 40 percent of the residents identify as a minority or as members of a State recognized tribal community; or (3) at least 40 percent of the households have limited English proficiency.

10 Per guidance from BPU Staff, Overburdened Communities as used in Table 7 reflect those communities where at least 35 percent of the households qualify as low-income households but exclude those communities that are solely designated as Minority, Limited English, or Minority and Limited English.

Table 7 – Equity Performance

Territory-Level Benchmarks	Over-burdened ¹	Non-Over-burdened	Overburdened (%) ²
# of Household Accounts ³	95,150	920,314	9%
# of Business Accounts ³	12,518	119,965	9%
Total Annual Energy (MWh) ⁴	1,399,092	18,698,181	7%

Programs	Sub Program or Offering	Type of Sub Program/Offering	Quarter Over-burdened ¹	Quarter Non-Over-burdened	Overburdened (%) ²	Annual Over-burdened	Annual Non-Over-burdened	Overburdened (%)
Participants								
Residential - Efficient Products	HVAC	Core	24	501	5%	61	1,201	5%
	Appliance Rebates	Core	115	1,375	8%	306	4,656	6%
	Appliance Recycling	Core	90	1,162	7%	273	4,717	5%
	Energy Efficient Kits	Core	1,236	8,447	13%	9,536	65,899	13%
	Lighting ⁵	Core	3,763	46,233	8%	16,054	291,855	5%
	Online Marketplace	Core	111	1,580	7%	764	10,921	7%
Residential - Existing Homes	Home Performance with Energy Star	Core	3	6	33%	5	28	15%
	Quick Home Energy Check-Up	Additional	33	148	18%	98	483	17%
	Moderate Income Weatherization	Additional	15	30	33%	24	79	23%
Home Energy Education & Management	Behavioral - Online Audits	Additional	111	1,333	8%	737	8,808	8%
C&I Direct Install	Direct Install	Core	6	26	19%	6	30	17%
Energy Solutions for Business	Prescriptive/Custom	Core	11	77	13%	25	166	13%
Multifamily	Direct Install	Core	-	185	0%	-	185	0%
Total Core Participation ⁶			5,359	59,592	8%	27,030	379,658	7%
Total Additional Participation ⁶			159	1,511	10%	859	9,370	8%
Total Participation⁶			5,518	61,103	8%	27,889	389,028	7%
Annual Energy Savings								
Residential - Efficient Products	HVAC	Core	15	230	6%	29	505	5%
	Appliance Rebates	Core	21	289	7%	62	930	6%
	Appliance Recycling	Core	96	1,289	7%	302	5,218	5%
	Energy Efficient Kits	Core	492	3,333	13%	3,778	25,926	13%
	Lighting	Core	472	6,269	7%	2,137	44,982	5%
	Online Marketplace	Core	16	216	7%	102	1,393	7%
Residential - Existing Homes	Home Performance with Energy Star	Core	8	11	44%	17	95	15%
	Quick Home Energy Check-Up	Additional	28	140	17%	99	465	18%
	Moderate Income Weatherization	Additional	5	13	29%	8	42	16%
Home Energy Education & Management	Behavioral - Online Audits	Additional	14	165	8%	91	1,092	8%
C&I Direct Install	Direct Install	Core	94	504	16%	94	725	11%
Energy Solutions for Business	Prescriptive/Custom	Core	142	1,680	8%	695	3,913	15%
Multifamily	Direct Install	Core	-	22	0%	-	22	0%
Total Core Annual Energy Savings ⁶			1,357	13,842	9%	7,216	83,710	8%
Total Additional Annual Energy Savings ⁶			47	318	13%	199	1,600	11%
Total Annual Energy Savings⁶			1,404	14,160	9%	7,415	85,310	8%
Lifetime Energy Savings								
Residential - Efficient Products	HVAC	Core	221	3,588	6%	441	7,675	5%
	Appliance Rebates	Core	227	3,050	7%	653	9,894	6%
	Appliance Recycling	Core	462	6,268	7%	1,466	25,272	5%
	Energy Efficient Kits	Core	6,255	42,652	13%	48,027	331,295	13%
	Lighting	Core	7,085	90,826	7%	32,060	671,525	5%
	Online Marketplace	Core	150	2,061	7%	999	13,248	7%
Residential - Existing Homes	Home Performance with Energy Star	Core	116	3	97%	224	809	22%
	Quick Home Energy Check-Up	Additional	384	1,948	16%	1,353	6,351	18%
	Moderate Income Weatherization	Additional	76	184	29%	120	611	16%
Home Energy Education & Management	Behavioral - Online Audits	Additional	14	165	8%	91	1,092	8%
C&I Direct Install	Direct Install	Core	6,683	1,290	84%	1,290	9,999	11%
Energy Solutions for Business	Prescriptive/Custom	Core	2,098	24,526	8%	10,355	57,583	15%
Multifamily	Direct Install	Core	-	336	0%	-	336	0%
Total Core Lifetime Energy Savings ⁶			23,297	174,600	12%	95,514	1,127,635	8%
Total Additional Lifetime Energy Savings ⁶			475	2,297	17%	1,565	8,054	16%
Total Lifetime Energy Savings⁶			23,772	176,897	12%	97,079	1,135,690	8%

- ¹ Across all programs, subprograms, or offerings, participation/expenditures/savings are classified as either in an Environmental Justice Overburdened Community census block or not based on the program participant's address. Overburdened Community census blocks were developed and defined by the NJ Department of Environmental Protection (www.nj.gov/dep/ej/communities.html). The EM&V WG agreed to only include OBC census blocks where at least 35% of households qualify as low-income. For example, a census block that only satisfies the limited English proficiency criteria is not included.
- ² The Ratio column shows the ratio of the overburdened metric over the total of overburdened plus non-overburdened. Comparing the territory-level benchmark ratios versus the program ratios shows how equitable the distribution of the program is between the overburdened and non-overburdened populations. If the program ratio is greater than the benchmark ratio, then the overburdened population is better represented in the program.
- ³ Estimation of accounts with overburdened designation determined to be active immediately preceding the current Plan Year.
- ⁴ Estimation of usage with overburdened designation for the 12-month period immediately preceding the current Plan Year.
- ⁵ Efficient Products Program, Lighting participants represent sales of products originating from stores located within an Overburdened Community. This metric is not intended to identify individual participants who reside in Overburdened Community, but rather the proportion of retail lighting sales stemming from locations serving Overburdened Communities aligned to BPU Staff's modifications.
- ⁶ Individual line items or totals as listed in this table may slightly differ from those results in Appendix B table due to rounding.

Benefit-Cost Test Results

Cost effectiveness analysis was performed for PY22 for all programs for which the Company served as the Lead Utility, consistent with the treatment of cost effectiveness by all the Joint Utilities. Table 8 below provides the benefit cost ratios by Program. Cost effectiveness by sector is provided in Appendix H which also contains details on the elements and underlying calculations associated with each cost test.

Initial benefit cost test ratios provided from the Plan are based on the entire Triennium, while the Final benefit cost test ratios presented in Table 8 and Appendix H are for only PY22, the first year of the Triennium. The first-year results are typical for program start up and are in line with Company expectations.

Table 8 – Benefit-Cost Test Results

	Initial ¹						Final					
	NJCT	PCT	PACT	RIMT	TRCT	SCT	NJCT	PCT ³	PACT	RIMT	TRCT	SCT
Efficient Products	5.5	7.8	4.6	1.6	3.8	11.7	12.8	58.4	12.5	1.0	10.6	18.5
Existing Homes	1.6	3.6	0.8	0.6	1.0	3.3	0.7	67.6	0.5	0.4	0.6	1.0
Home Energy Education & Management	1.6	0.0	1.4	0.9	1.4	3.6	1.0	-	0.8	0.4	0.8	1.4
C&I Direct Install	6.4	9.1	3.4	1.4	4.5	13.8	1.6	11.1	1.6	0.9	1.5	2.3
Energy Solutions for Business	2.8	2.5	4.4	1.7	2.0	6.2	2.3	3.7	3.5	0.8	1.9	3.2
Multifamily	1.9	5.6	1.2	0.8	1.3	4.1	0.2	-	0.2	0.2	0.2	0.3
Home Optimization & Peak Demand Reduction ²	1.0	2.1	0.9	0.8	0.9	2.3	-	-	-	-	-	-
Portfolio	3.5	4.1	3.4	1.5	2.4	7.6	8.4	29.5	8.6	0.9	6.9	12.0

¹Initial values reflected in this table represent cost effectiveness scores as filed in JCP&L's EEC Plan.

²The Company plans to implement the Home Optimization & Peak Demand Reduction program in 2023 as outlined in our filed Plan.

³PCT values are heavily influenced by programs designed with low or no out of pocket expenses to participants

Program Updates

JCP&L will continue to incorporate best practices for offered programs, where possible. The Company anticipates the following activities have been or will be executing during PY23.

Residential Sector

Appliance Recycling will run a limited time promotion in PY23, September through November. If a customer recycles a fridge/freezer they will receive an enhanced \$100 rebate (up from \$50), and if they recycle an AC unit or dehumidifier, they will receive an enhanced \$35 rebate (up from \$25).

There are no other projected program changes for residential programs at this time.

Commercial and Industrial Sector

Direct Install: the Joint Utilities implemented a revised incentive structure, effective July 1, 2022, that could result in higher participation by small C&I customers. Under the revised incentive structure, the program could pay out anywhere from 60% to 80% of the project cost depending on measure mix.

Prescriptive Program: the Joint Utilities reviewed and approved a set of new electric and gas measures that could be rolled out effective January 1, 2023.

There are no projected changes to the Custom, Energy Management, or Engineered Solutions Programs.

Multifamily Sector

There are no projected changes to Multifamily sector offerings.

Conclusion

JCP&L's portfolio produced significant efficiency savings while spending well under anticipated budgets, with a portfolio NJCT cost-effectiveness score of 8.3 demonstrating the benefits of the Company's portfolio to NJ residents, businesses, and the environment. Residential programs significantly outperformed energy savings expectations in JCP&L's EEC Plan, and the Commercial & Industrial sector built a robust pipeline of projects leading into PY23. The Company expects annual energy savings to continue to grow through the first Triennium period.

Please contact the undersigned should you have any questions or concerns regarding this report.

Sincerely,

A handwritten signature in black ink that reads "Eren Demiray". The signature is written in a cursive style with a large, prominent "D" and a long, sweeping tail.

Eren G. Demiray
Manager, Energy Efficiency Reporting

Appendix A – Participant Definitions

NJ Program		Participants (as lead utility)
Efficient Products	HVAC	Sum of HVAC units (multiple units per customer, counts as multiple participants)
	Lighting - Upstream	Quantity of packages sold (based on SKU) - net of returns (negative in current period)
	Rebated Products	Quantity of units rebated (based on SKU)
	Mid-Stream Products	Quantity of units sold (based on SKU) - net of returns (negative in current period)
	Appliance Recycling	Count of visits to premise not units
	Online Marketplace	Quantity of units sold (based on SKU) - net of returns (negative in current period)
	EE Kits - Giveaway	Per kit delivered
	Consumer Electronics	For rebated programs, count of rebate applications For Midstream, every measure is considered a participant - net of returns (negative in current period)
Existing Homes	Home Performance with Energy Star	Count of completed HPWES projects
	Quick Home Energy Checkup	Count of completed visits
	Moderate Income Weatherization	Same as HPWES - (distinction would be paying for audit in this program)
Home Energy Education & Management	Behavioral	Count of treatment customers at end of reporting period
C&I Direct Install	Direct Install	Count based on number of applications/projects completed, not account number
Energy Solutions for Business	Prescriptive/Custom	Count based on number of applications/projects completed, not account number
	Energy Management	Count based on number of applications/projects completed, not account number
	Engineered Solutions	Count based on number of applications/projects completed, not account number
Multifamily	HPWES	Count of completed HPWES projects
	Direct Install	Count based on number of projects completed (see approach)
	Prescriptive/Custom	Count based on number of applications/projects completed, not account number
	Engineered Solutions	Count based on number of applications/projects completed, not account number

**Appendix B – Energy Efficiency and PDR Savings Summary
For Period Ending PY22Q4**

		Participation				Actual Expenditures				Ex Ante Energy Savings							
		A	B	C	D=C/B	E	F	G	H=G/F	I	J	K	L=K/J	M	N	O	P
	Quarter	Annual Forecasted Participation Number	YTD Reported Participation Number	YTD % of Annual Participants	Quarter Program Costs (\$000)	Annual Forecasted Program Costs (\$000) ²	YTD Program Costs (\$000)	YTD % of Annual Budget	Quarter Annual Retail Energy Savings (MWh)	Annual Forecasted Retail Energy Savings (MWh)	YTD Annual Retail Energy Savings (MWh)	YTD % of Annual Energy Savings	Quarter Wholesale Energy Savings (MWh) ⁶	YTD Peak Demand Savings (MW)	Quarter Lifetime Retail Energy Savings (MWh)	YTD Lifetime Retail Energy Savings (MWh)	
Residential Programs	Sub Program or Offering¹																
Efficient Products*	HVAC*	525	1,262	N/A	\$ 369		\$ 1,165	N/A	245		535	N/A	288	0.31	3,810	8,116	
	Appliance Rebates*	1,490	4,962	N/A	\$ 322		\$ 889	N/A	310		991	N/A	365	0.13	3,277	10,546	
	Appliance Recycling*	1,252	4,990	N/A	\$ 305		\$ 1,185	N/A	1,385		5,521	N/A	1,630	0.86	6,730	26,737	
	Energy Efficient Kits ^{3*}	9,683	75,435	N/A	\$ 465		\$ 3,224	N/A	3,825		29,704	N/A	4,503	2.32	48,907	379,321	
	Lighting*	49,996	307,909	N/A	\$ 591		\$ 2,385	N/A	6,741		47,120	N/A	7,935	3.55	97,910	703,585	
	Online Marketplace*	1,691	11,685	N/A	\$ 211		\$ 1,132	N/A	231		1,495	N/A	272	0.04	2,211	14,247	
	Subtotal Efficient Products ⁵	64,637	1,161,788	406,243	34.97%	\$ 2,262	\$ 16,874	\$ 9,980	59.14%	12,738	66,477	85,365	128.41%	14,992	7.21	162,845	1,142,553
Existing Homes	Home Performance with Energy Star*	9	500	33	0	\$ 162	\$ 4,367	\$ 852	19.50%	19	687	112	16.31%	22	-	119	1,033
	Quick Home Energy Check-Up	181	1,500	581	0	\$ 204	\$ 1,824	\$ 528	28.97%	167	713	565	79.27%	197	0.05	2,333	7,704
	Moderate Income Weatherization	45	300	103	0	\$ 161	\$ 3,241	\$ 498	15.36%	19	375	51	13.49%	22	0.00	260	731
Home Energy Education & Management	Behavioral - Home Energy Reports ³	-	-	N/A	\$ -		\$ -		-		-		-				
	Behavioral - Online Audits	1,444	1,650	9,545	578%	\$ 80	\$ 179	N/A	179	204	1,184	581%	211	-	179	1,184	
	Subtotal Home Energy Education & Management ⁵	1,444	1,650	9,545	578%	\$ 80	\$ 274	\$ 179	65.18%	179	204	1,184	581%	211	-	179	1,184
Total Residential⁵	66,316	1,165,738	416,505	35.73%	\$ 2,868	\$ 26,580	\$ 12,036	45.28%	13,123	68,456	87,275	127.49%	15,445	7.25	165,736	1,153,206	
Business Programs	Sub Program or Offering¹																
C&I Direct Install	Direct Install*	32	120	36	30.00%	\$ 295	\$ 3,217	\$ 849	26.39%	598	4,064	819	20.14%	703	0.15	7,973	11,288
	Prescriptive/Custom*	88	223,247	191	0.09%	\$ 593	\$ 13,048	\$ 2,350	18.01%	1,822	38,982	4,608	11.82%	2,139	0.88	26,624	67,938
	Energy Solutions for Business	-	1	-	0.00%	\$ 25	\$ -	\$ 129	N/A	-	-	-	N/A	-	-	-	-
	Engineered Solutions ³	-	1	-	0.00%	\$ 23	\$ 517	\$ 123	23.84%	-	275	-	0.00%	-	-	-	-
Total Busines⁵	120	223,369	227	0.10%	\$ 936	\$ 16,782	\$ 3,451	20.57%	2,420	43,321	5,427	12.53%	2,842	1.03	34,596	79,226	
Multifamily Programs	Sub Program or Offering¹																
Multifamily*	HPwES*	-	-	N/A	\$ 9		\$ 68	N/A	-		-	N/A	-	-	-	-	
	Direct Install*	185	185	N/A	\$ 79		\$ 249	N/A	22		22	N/A	26	0.0	336	336	
	Prescriptive/Custom ^{3*}	-	-	N/A	\$ 2		\$ 8	N/A	-		-	N/A	-	-	-	-	
	Engineered Solutions ^{3*}	-	-	N/A	\$ 0		\$ 12	N/A	-		-	N/A	-	-	-	-	
	Subtotal Multi-Family ⁵	185	1,984	185	9.32%	\$ 90	\$ 1,870	\$ 336	17.98%	22	1,110	22	2.02%	26	0.0	336	336
Other Programs																	
Home Optimization & Peak Demand Reduction ³	-	-	-	N/A	\$ -		\$ -	N/A	-		-	N/A	-	-	-	-	
Total Other⁵	-	-	-	N/A	\$ -	\$ -	\$ -	N/A	-	-	-	N/A	-	-	-	-	
Portfolio Total⁵	66,621	1,391,091	416,917	29.97%	\$ 3,894	\$ 45,232	\$ 15,823	34.98%	15,564	112,888	92,724	82.14%	18,313	8.30	200,669	1,232,768	
Supportive Costs Outside Portfolio ^{4,5}						\$ -		N/A									

* Denotes a core EE offering

¹ Subprograms provide relevant forecasts as included in the Company's approved EE/PDR Plans. Program delivery elements listed as offerings were not forecast in the Company's EE/PDR Plan and are for informational purposes only.

² Annual Forecasted Program Costs reflect values anticipated in Board-approved Utility EE/PDR proposals and may incorporate budget adjustments as provided for in the June 10, 2020 Board Order.

³ Was not offered during this reporting period; however startup costs may have been incurred

⁴ Please note JCP&L's EE/PDR filing did not include supportive costs outside of portfolio

⁵ Individual line items or totals as listed in Appendix B may slightly differ due to rounding

⁶ Wholesale savings at the gross wholesale level include retail savings plus marginal line losses, using approved line loss factor in utility's tariff grossed up by 1.5, per the Avoided Cost Methodology in the NJ Cost Test

Appendix C- Energy Efficiency and PDR Savings Summary – LMI
For Period Ending PY22Q4

		Participation		Incentive Expenditures (Customer Rebates and Low/no-cost financing)		Ex Ante Energy Savings	
		A	B	C	D	E	F
		Reported Participation Number YTD		Reported Incentive Costs YTD (\$000) ³		Reported Retail Energy Savings YTD (MWh)	
Residential Programs	Sub Program or Offering	LMI	Non-LMI or Unverified	LMI	Non-LMI or Unverified	LMI	Non-LMI or Unverified
Efficient Products	HVAC	31	1,231	\$ 9	\$ 445	12	523
	Appliance Rebates	196	4,766	\$ 14	\$ 340	45	946
	Appliance Recycling	113	4,877	\$ 6	\$ 279	122	5,399
	Energy Efficient Kits	2,259	73,176	\$ 92	\$ 2,962	898	28,806
	Lighting	-	307,909	\$ -	\$ 1,296	-	47,120
	Online Marketplace	514	11,171	\$ 34	\$ 801	68	1,427
	Subtotal Efficient Products ²	3,113	403,130	\$ 157	\$ 6,122	1,142	84,221
Existing Homes	Home Performance with Energy Star ¹	-	33	\$ -	\$ 146	-	112
	Quick Home Energy Check-Up	167	414	\$ 44	\$ 110	172	393
	Moderate Income Weatherization	103	-	\$ 27	\$ -	51	-
Home Energy Education & Management	Behavioral - Home Energy Reports	-	-	\$ -	\$ -	-	-
	Behavioral - Online Audits	3,584	5,961	\$ -	\$ -	444	739
	Subtotal Home Energy Education & Management ²	3,584	5,961	\$ -	\$ -	444	739
Total Residential²		6,967	409,538	\$ 229	\$ 6,378	1,809	85,466
Multifamily Programs	Sub Program or Offering¹						
Multi-Family	HPWES	-	-	\$ -	\$ -	-	-
	Direct Installation/MF QHEC	119	66	\$ 13	\$ 7	15	8
Other Programs							
Home Optimization & Peak Demand Reduction		-	-	\$ -	\$ -	-	-
Total Other²		-	-	\$ -	\$ -	-	-
Portfolio Total²		7,086	409,604	\$ 242	\$ 6,385	1,824	85,474

¹ Income-qualified customers are directed to participate through the Comfort Partners or Moderate Income Weatherization programs.

² Individual line items or totals as listed in Appendix C may slightly differ due to rounding.

³ LMI v. Non LMI incentive costs in certain instances may be estimated or may differ slightly from portfolio results as listed in table 6 due to the recognition of accrued financials at the time of reporting.

Appendix D- Energy Efficiency and PDR Savings Summary - Business Class
For Period Ending PY22Q4

		Participation		Incentive Expenditures (Customer Rebates and Low/no-cost financing)		Ex Ante Energy Savings	
		A	B	C	D	E	F
		Reported Participation Number YTD		Reported Incentive Costs YTD (\$000) ²		Reported Retail Energy Savings YTD (MWh)	
Business Programs	Sub Program or Offering	Small Commercial	Large Commercial	Small Commercial	Large Commercial	Small Commercial	Large Commercial
C&I Direct Install	Direct Install	36	-	\$ 190	-	819	-
Energy Solutions for Business	Prescriptive/Custom	164	27	\$ 796	\$ 37	4,441	167
	Energy Management	-	-	\$ -	\$ -	-	-
	Engineered Solutions	-	-	\$ -	\$ -	-	-
Total Business¹		200	27	\$ 987	\$ 37	5,260	167
Multifamily	Sub Program or Offering						
Multifamily	Prescriptive/Custom	-	-	\$ -	\$ -	-	-
	Engineered Solutions	-	-	\$ -	\$ -	-	-
Other Programs							
Home Optimization & Peak Demand Reduction		-	-	\$ -	\$ -	-	-
Total Other¹							
Portfolio Total¹		200	27	\$ 987	\$ 37	5,260	167

¹Individual line items or totals as listed in Appendix D may slightly differ due to rounding.

²LMI v. Non LMI incentive costs in certain instances may be estimated or may differ slightly from portfolio results as listed in table 6 due to the recognition of accrued financials at the time of reporting.

Appendix E – Annual Report Baseline Calculation

For Period Ending PY22Q4

Energy Efficiency Compliance Baselines and Benchmarks (MWh)												
Electric Utility	Plan Year	Sales Period	Sales (MWh)	Adjustments (MWh)	Adjusted Retail Sales (MWh)	Compliance Baseline (MWh)	Overall Annual Energy Reduction Target (%)	Overall Annual Energy Reduction Target (MWh)	State-Administered Annual Energy Reduction Target (%)	State-Administered Annual Energy Reduction Target (MWh)	Utility-Administered Annual Energy Reduction Target (%)	Utility-Administered Annual Energy Reduction Target (MWh)
			(A)	(B)	(C) = (A)-(B)	(D) = Average (C)	(E)	(F) = (E) * (D)	(G)	(H) = (G) * (D)	(I)	(J) = (I) * (D)
JCP&L	2019	7/1/18 - 6/30/19	20,748,407	-	20,748,407							
	2020	7/1/19 - 6/30/20	19,957,324	-	19,957,324							
	2021	7/1/20 - 6/30/21	20,231,668	-	20,231,668							
	Plan Year 2022					20,312,466	0.00%	-	0.00%	-	0.00%	-

Notes:

(A) Includes sales as reported on FERC Form-1, as adjusted for the given sales period (planning year)

(B) No included adjustments

(E,G,I) No formal targets were established for PY22 in the June 2020 CEA Framework Order

Appendix F – Energy Savings with PY2022 TRM Addendum

For compliance purposes throughout the first triennium, the utilities calculate program savings (collectively, "Primary Metrics") based on a mix of protocols from the FY20 NJCEP Protocols, FY21 NJCEP Protocols Addendum, and TRMs from other states when no applicable NJ-specific measure calculation is available. This mix of protocols is cataloged in the Joint Utility Coordinated Measures List. The EM&V Working Group created the 2022 TRM Addendum to address key non-NJ specific and dated assumptions in the Coordinated Measures List. Program Energy Savings Metrics calculated with the 2022 TRM Addendum are called the "Secondary Metrics". The Secondary Metric values are informational for stakeholders to assess program performance under a more current and NJ-specific measure calculation approach and to inform future program design.

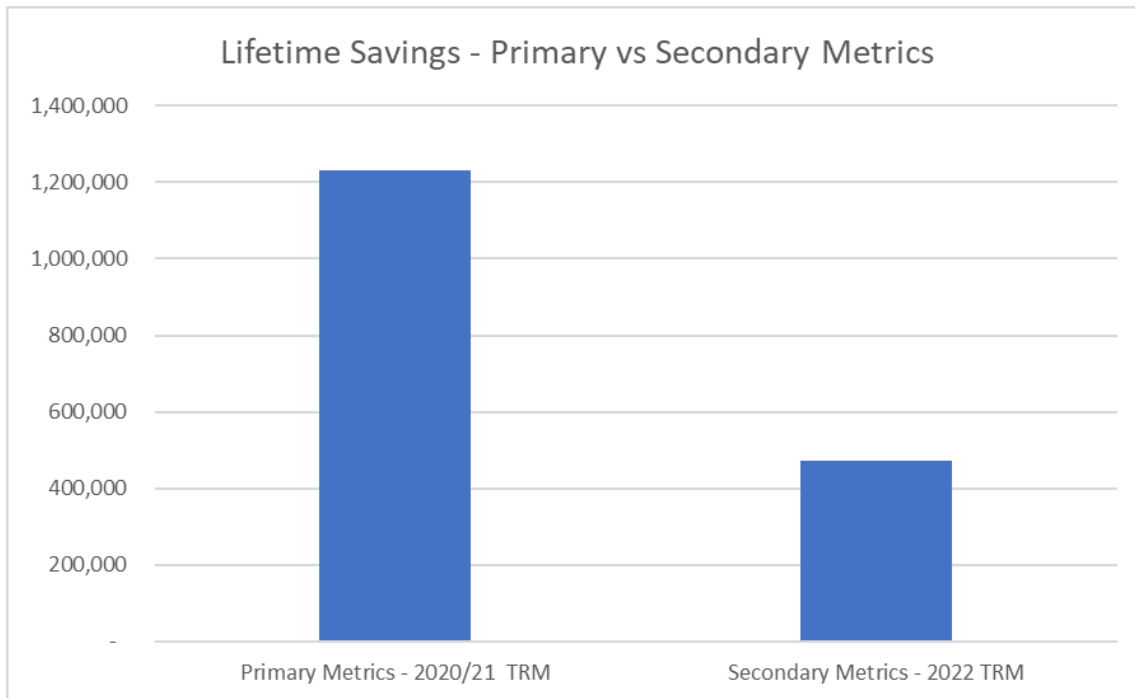
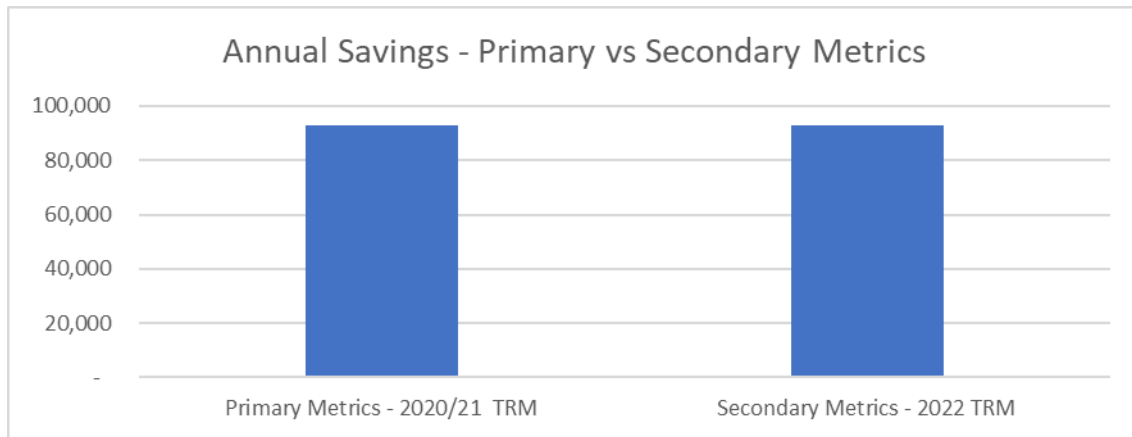


Table F-1 – Sector-Level Energy Savings: Primary Metrics from 2020/21 TRM

Annual Energy Savings ¹	Annual Retail (MWh)	Annual Target Retail Savings (MWh) ³	Percent of Annual Target
Residential	87,275	68,456	127%
Multifamily	22	1,110	2%
C&I	5,427	43,321	13%
Reported Totals for Utility Administered Programs ²	92,724	112,887	82%

Table F-2 – Sector-Level Energy Savings: Secondary Metrics from 2022 TRM Addendum

Annual Energy Savings ¹	Annual Retail (MWh)	Annual Target Retail Savings (MWh) ³	Percent of Annual Target
Residential	87,276	68,456	127%
Multifamily	22	1,110	2%
C&I	5,427	43,321	13%
Reported Totals for Utility Administered Programs ²	92,725	112,887	82%

¹Annual energy savings represent the total expected annual savings from all energy efficiency measures within each sector, and not only those measures affected by the FY2022 TRM Addendum

²Individual line items or totals as listed in this table may differ slightly due to rounding

³Annual targets reflect values as estimated in the Company’s EEC Plan.

Appendix G – Ex-ante Energy Savings held by Utility for Transfer

The following data are presented to provide Board Staff visibility into the full picture of statewide annual ex-ante energy projects in progress, with these energy savings being excluded from data presented in the body of the report. These data are based upon coordinated program projects completed by a lead utility and awaiting transfer to a partner utility. The data presented are estimates and are subject to change during transfer to and verification by partner utilities. Transferred savings and associated costs will be included in partner utility results once allocated by the Statewide Coordination platform.

Estimated Annual Energy Savings Held by JCP&L	
Program	Dth held for transfer
Efficient Products	240,279
Existing Homes	2,905,579
Home Energy Education & Management	-
C&I Direct Install	-
Energy Solutions for Business	-
Multifamily	162
Total	3,146,021

Appendix H – Cost Effectiveness Test Details

	Residential	Business	MF	Other	Total Portfolio
Total Resource Cost Test (TRC)					
1 Lifetime Avoided Electric Supply Costs	\$ 30,009,307	\$ 2,018,699	\$ 8,698	\$ -	\$ 32,036,703
2 Lifetime Avoided Electric Capacity Costs	\$ 4,943,312	\$ 778,320	\$ 16,899	\$ -	\$ 5,738,531
3 Lifetime Avoided Natural Gas Supply Costs	\$ (3,989,069)	\$ (246,096)	\$ (925)	\$ -	\$ (4,236,089)
4 Lifetime Merit Order (DRIPE) Benefits	\$ 11,206,872	\$ 690,889	\$ 2,885	\$ -	\$ 11,900,647
5 Lifetime REC Avoided Purchases	\$ 22,780,722	\$ 1,535,128	\$ 6,491	\$ -	\$ 24,322,342
6 Lifetime Wholesale Volatility Value	\$ 3,096,355	\$ 255,092	\$ 2,467	\$ -	\$ 3,353,915
7 Lifetime Avoided Replacement	\$ -	\$ -	\$ -	\$ -	\$ -
8 Lifetime Avoided T&D Costs	\$ 58,192,873	\$ 5,376,716	\$ 30,757	\$ -	\$ 63,600,347
Total Benefit = 1+2+3+4+5+6+7+8	\$126,240,373	\$10,408,748	\$ 67,274	\$ -	\$136,716,395
9 Lifetime Participant Costs	\$ 1,894,904	\$ 2,156,847	\$ -	\$ -	\$ 4,051,751
10 Lifetime Administration Costs	\$ 5,235,000	\$ 2,425,000	\$ 316,000	\$ -	\$ 7,976,000
11 Lifetime Program Investment Costs	\$ 6,632,000	\$ 1,023,000	\$ 20,000	\$ -	\$ 7,675,000
Total Costs (9+10+11)	\$ 13,761,904	\$ 5,604,847	\$ 336,000	\$ -	\$ 19,702,751
Benefit Cost Ratio = (1+2+3+4+5+6+7+8)/(9+10+11)	9.17	1.86	0.20	0.00	6.94
Participant Cost Test (PCT)					
12 Lifetime Participant Benefits	\$ 104,128,048	\$ 7,627,134	\$ 33,840	\$ -	\$ 111,789,022
13 Lifetime Repayment Benefits	\$ 169,000	\$ 3,000	\$ -	\$ -	\$ 172,000
Benefit Cost Ratio = (11+12+13)/9	58.54	4.01	0.00	0.00	29.53
Program Administrator Cost Test (PAC)					
Benefit Cost ratio = (1+2+3+4+5+6+7+8)/(10+11+13)	10.49	3.02	0.20	0.00	8.64
Ratepayer Impact Measure Test (RIM)					
14 Lifetime utility Revenue Gained	\$ 14,856,780	\$ 758,277	\$ 2,774	\$ -	\$ 15,617,831
15 Lifetime Utility Cost	\$ 138,514,972	\$ 9,830,519	\$ 41,698	\$ -	\$ 148,387,190
Benefit Cost ratio = (1+2+3+4+5+6+7+8+14)/(10+11+13+15)	0.94	0.84	0.19	0.00	0.93
Societal Cost Test (SC)					
16 Lifetime Avoided Electric Supply Costs	\$ 32,394,905	\$ 2,191,526	\$ 9,453	\$ -	\$ 34,595,884
17 Lifetime Avoided Electric Capacity Costs	\$ 5,315,085	\$ 842,383	\$ 18,306	\$ -	\$ 6,175,775
18 Lifetime Avoided Natural Gas Supply Costs	\$ (4,351,854)	\$ (267,657)	\$ (1,010)	\$ -	\$ (4,620,521)
19 Lifetime Merit Order (DRIPE) Energy Benefits	\$ 10,954,073	\$ 735,947	\$ 3,110	\$ -	\$ 11,693,130
20 Natural Gas Demand Reduction Induced Price Effects (DRIPE)	\$ (1,014,989)	\$ (62,813)	\$ (215)	\$ -	\$ (1,078,017)
21 Avoided RPS REC Purchase Costs	\$ 24,502,532	\$ 1,660,239	\$ 7,028	\$ -	\$ 26,169,799
22 Avoided Wholesale Volatility Costs	\$ 3,526,570	\$ 289,639	\$ 2,730	\$ -	\$ 3,818,940
23 Lifetime Avoided Wholesale T&D Costs	\$ 62,599,477	\$ 5,816,443	\$ 33,325	\$ -	\$ 68,449,246
24 Lifetime Emission Savings	\$ 36,547,230	\$ 2,506,149	\$ 10,804	\$ -	\$ 39,064,183
25 Avoided SO ₂ + NO _x Emissions Damages	\$ 42,897,058	\$ 2,932,844	\$ 12,484	\$ -	\$ 45,842,385
26 Job and Energy Savings Economic Value-Added Multiplier Benefits	\$ 5,617,291	\$ 486,921	\$ 3,323	\$ -	\$ 6,107,536
Total Benefit = (16+17+18+19+20+21+22+23+24+25+26)	\$218,987,379	\$17,131,621	\$ 99,339	\$ -	\$236,218,339
27 Lifetime Participant Costs	\$ 8,526,904	\$ 3,179,847	\$ 20,000	\$ -	\$ 11,726,751
28 Lifetime Administration Costs	\$ 5,235,000	\$ 2,425,000	\$ 316,000	\$ -	\$ 7,976,000
Total Costs = (27+28)	\$ 13,761,904	\$ 5,604,847	\$ 336,000	\$ -	\$ 19,702,751
Benefit Cost Ratio = (16+17+18+19+20+21+22+23+24+25+26)/(27+28)	15.91	3.06	0.30	0.00	11.99
New Jersey Cost Test (NJCT)					
29 Lifetime Merit Order (DRIPE) Capacity Benefits	\$ 1,078,357	\$ 7,927	\$ -	\$ -	\$ 1,086,284
30 Lifetime Avoided Ancillary Services Costs	\$ 1,907,566	\$ 130,142	\$ 552	\$ -	\$ 2,038,259
31 Lifetime Avoided Replacement	\$ -	\$ -	\$ -	\$ -	\$ -
32 Lifetime Non Energy Benefits	\$ 5,671,209	\$ 487,318	\$ 3,323	\$ -	\$ 6,161,850
Total Benefit = 16+17+18+19+23+24+29+30+31+32	\$152,116,049	\$12,450,177	\$ 77,864	\$ -	\$164,644,090
Benefit Cost Ratio = (16+17+18+19+23+24+29+30+31+32)/(27+28)	11.05	2.22	0.23	0.00	8.36

Appendix I – Program Changes

Program	Summary of Program Changes
Residential Programs	
Efficient Products	EE Kits - N/A HVAC, Lighting and Appliance Rebates - N/A Online Marketplace - N/A Appliance Recycling - N/A
Existing Homes	HPwES- N/A QHEC- N/A MIW- N/A
Home Energy Education & Management	Behavioral Home Energy Reports - N/A
Business Programs	
C&I Direct Install	Following new measures added - Type B & C LED lamps; Type AB Hybrid LED lamps; Linear Style Retrofit Kit; Smart-Electric Thermostat
Energy Solutions for Business	Prescriptive and Custom- New measures added - Type B & C LED lamps; Type AB Hybrid LED lamps; Linear Style Retrofit Kit; Smart-Electric Thermostat. Energy Mgmt. & Engineered Solutions - N/A
Multifamily Programs	
Multifamily	N/A