

**COMMONWEALTH OF PUERTO RICO
PUBLIC SERVICE REGULATORY BOARD
PUERTO RICO ENERGY BUREAU**

NEPR

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IN RE:

ENERGY EFFICIENCY AND DEMAND
RESPONSE TRANSITION PERIOD
PLAN

CASE NO.: NEPR-MI-2022-0001

SUBJECT: TPP FY2023 Annual Report

MOTION TO SUBMIT TPP FY2023 ANNUAL REPORT

TO THE HONORABLE PUERTO RICO ENERGY BUREAU:

COME now **LUMA Energy, LLC** (“ManagementCo”), and **LUMA Energy ServCo, LLC** (“ServCo”), (jointly referred to as “LUMA”), and respectfully state and request the following:

1. On December 10, 2020, the honorable Energy Bureau of the Puerto Rico Public Service Regulatory Board (“Energy Bureau”) adopted the Regulation for Demand Response (“DR Regulation”)¹ requiring, among others, that the Puerto Rico Electric Power Authority (“PREPA”) or its successor, LUMA, file with the Energy Bureau a Three-Year Demand Response Plan (“Three-Year DR Plan”) by a specified date. *See* DR Regulation, Section 3.02(C)(1)(a).

2. On April 21, 2021, the Energy Bureau issued a Resolution and Order commencing the proceeding in docket (“DR Proceeding”).

3. On January 21, 2022, the Energy Bureau published the final version of the Regulation for Energy Efficiency (“EE Regulation”)², requiring, among others, that PREPA or its

¹ DR Regulation, December 21, 2020, Regulation 9246.

² The EE Regulation was at the time assigned the number 9354 by the Puerto Rico State Department. Regulation number 9354 was subsequently annulled, and the EE Regulation was resubmitted to and approved by the Puerto Rico Department of State on March 25, 2022, being assigned number 9367.

successor, LUMA, file with the Energy Bureau a plan to implement “quick start” EE programs during a two-year transition period (“TPP”) by a specified date. *See* EE Regulation, Section 2.01.

4. Section 2.02(E)(2) of the EE Regulation provides that “[n]o later than one hundred and twenty (120) days following the end of each of the two Program Years within the Transition Period Plan, PREPA shall file an Annual Report regarding its activities in the previous Program Year” Regarding the substantive contents of the Annual Report, Section 2.02(E)(2) states that the Annual Report shall include a description of the activities in the Program Year of the TPP; progress on the Transition Period Plan; a summary of performance targets; assessment tables with the costs for each pilot and quick start program; gross annual and lifetime energy and peak demand savings achieved for each pilot and quick start program; and the total number of participants for each pilot and quick start program.

5. On February 1, 2022, the Energy Bureau issued a Resolution and Order in the DR Proceeding (“February 1st Resolution and Order”) in which, among others, it expanded the scope of the DR Proceeding to include EE alongside DR (*see* February 1st Resolution and Order, page 2).

6. On June 21, 2022, LUMA filed with the Energy Bureau in the DR Proceeding a proposed Energy Efficiency (“EE”) and Demand Response (“DR”) Transition Period Plan containing the description of various EE and DR Programs to be implemented by LUMA during the Transition Period and associated budgets for Fiscal Years (“FY”) 2023 and 2024 (“Proposed TPP”). *See Motion Submitting Proposed EE/DR Transition Period Plan* in Case No. NEPR-MI-2021-0006, *In Re: Demand Response Plan Review, Implementation and Monitoring* of that date and its *Exhibit 1* (this Exhibit 1, the “Proposed TPP”). In Section 6.1 of the Proposed TPP, LUMA proposed, among others, to prepare quarterly and annual reports regarding the Proposed TPP,

providing for the first annual report and for this report to include an introduction, description of LUMA’s activities and achievements in the Program Year, report on progress on the Proposed TPP, participants enrolled, performance, costs, and conclusions and recommendations, with the information specified in the Proposed TPP. See Proposed TPP, on pages 72-74.

7. After other procedural events, on February 16, 2023, the Energy Bureau issued a Resolution and Order (the “February 16th Resolution and Order”) in the instant proceeding in which it considered, amended and approved the Proposed TPP (the Proposed TPP, as approved by the Energy Bureau, the “TPP”). With respect to reporting, the Energy Bureau ordered LUMA to deliver quarterly and annual reports on a fiscal year schedule; align report filing dates for FY2023 and FY2024; produce annual reports within 120 days following the end of the program year as required by the EE Regulation; and adopt the updated reporting schedule in Table 1 of the February 16th Resolution and Order, titled “Transition Period Report and Filing Schedule” (“Table 1”). *See id.* at page 18. Among the deadlines established in Table 1 is the deadline of October 28, 2023 to file the FY2023 Annual Report³ covering the period from July 1, 2022 to June 30, 2023 (“FY2023 Report”). *See id.* The Energy Bureau also determined that they “intend[ed] to develop templates to clarify how LUMA will present data in the quarterly and annual reports” (*see id.* at page 19) and ordered LUMA to, “until such time as these templates are available, report on all metrics identified in Section 6 of the Proposed TPP” (*see id.*).

8. On June 30, 2023, the Energy Bureau issued a Resolution and Order in Case No. NEPR-MI-2020-0001, *In Re: Permanent Rate of the Puerto Rico Electric Power Authority*

³ October 28, 2023 is a Saturday. Thus, per Section 1.09 of Energy Bureau Regulation No. 8543, *Regulation on Adjudicative, Notice of Noncompliance, Rate Review, and Investigation Proceedings*, the deadline moves to the next business day, October 30, 2023 (“In computing any period conceded by this Regulation, or by order of the Commission, the period shall begin accruing the day after the act, event or noncompliance that triggers the period takes place. If a period ends on a Saturday, Sunday, or a legal holiday, said period shall be extended until the next day that is not a Saturday, Sunday or legal holiday.”).

(“Permanent Rate Case”) (“June 30th Resolution and Order”) wherein it determined, among others, to suspend the EE Charge [EE Rider] for the month of July 2023 given the “great probability that the costs associated with [EE] programs will be paid with funds not associated with the EE Charge [EE Rider].” *See* June 30th Resolution and Order, page 11.

9. On July 14, 2023, LUMA filed a motion requesting the Energy Bureau suspend the deadlines to submit proof of customers enrolled in an Emergency DR program and documentation showing that LUMA has the capability to call Emergency DR events for the same time period during which the EE Rider is in suspense. *See Response to Orders Staying Approval and Implementation of EE Rider and Request for Suspension of Deadlines to Submit Proof of Customer Enrollment and Documentation on Capability to Call Events Related to Emergency DR Program* of that date (“July 14th Motion”) on pages 10-11.

10. On July 31, 2023, the Energy Bureau issued a Resolution and Order in Case No. NEPR-MI-2020-0001, *In Re: Permanent Rate of the Puerto Rico Electric Power Authority*, (“July 31st Order”), in which it determined, in pertinent part, that the cost of DR programs will not form part of the EE rider and ordered LUMA to contemplate the DR programs as part of the proposal of factors corresponding to the purchase power charge adjustment (“PPCA”) mechanism. *See* July 31st Order on pages 8 and 10.

11. On August 11, 2023, the Energy Bureau issued a Resolution and Order (“August 11th Order”) in which, among others, it ordered LUMA to file: (a) on or before August 23, 2023, for the Energy Bureau’s approval, the associated cost related to the compensation to be offered to the DR Aggregators and/or ratepayers that participate in the DR Program to be recovered through the PPCA; (b) within two weeks of the Energy Bureau's approval of the compensation to the participants, proof it has published Emergency DR program terms, established agreements with

DR Aggregators, and enrolled customers in the program; and (c) within two weeks of its filing proof of customer enrollment and documentation showing that LUMA has the capability to call Emergency DR events⁴. *See* August 11th Order on page 3. In addition, to “reflect ongoing uncertainty in funding for energy efficiency programs”, the Energy Bureau established an updated deadline for LUMA to file documentation showing that it is processing energy efficiency incentive/rebate applications of “60 days following the earlier of two dates: 1) the date on which the EE Rider is implemented with a value greater than zero, or 2) the date on which LUMA or the Energy Bureau secure a funding commitment from an external source (such as the government of Puerto Rico or Federal funds) sufficient to implement approved EE programs”. *See id.*

12. In compliance with the August 11th Order, on August 23, 2023, LUMA submitted to the Energy Bureau the proposed estimated costs associated with the Emergency Battery DR Program (“BEDRP”), including the cost related to the compensation to be offered to the DR Aggregators that participate in the BEDRP to be recovered through the PPCA. *See Motion to Submit Costs Associated with Emergency DR Program In Compliance with Resolution and Order of August 11, 2023, and Request for Confidential Treatment* filed August 23, 2023 (“August 23rd Motion”). In addition, in the August 23rd Motion and its Exhibit 1, LUMA provided a proposed timeline to achieve the various tasks related to the implementation of the BEDRP and indicated it might not be able to meet the deadlines established by the Energy Bureau for some of these tasks given the time needed to complete certain intervening steps before the execution of the aggregator agreements.

13. On August 29, 2023, LUMA filed its FY 2023 Fourth Quarter (“Q4”) TPP Report with the Energy Bureau. *See Motion to Submit FY 2023 Q4 TPP Report* filed on that date.

⁴ According to the Energy Bureau, this documentation “shall be a report on a successful test dispatch event, including the number of participants and the capacity dispatched”. *See id.*

14. On August 29, 2023, the Energy Bureau issued a Resolution and Order (“August 29th Resolution and Order”) approving the compensation level proposed by LUMA in the August 23rd Motion and determining that the BEDRP budget proposed by LUMA “is aligned with the budget for the equivalent program as approved in the [Approved TPP]” and determined such estimated budget was reasonable to launch the program. *See* August 29th Resolution and Order on page 2.

15. In the August 29th Resolution and Order, among others, the Energy Bureau ordered LUMA to file, on or before September 22, 2023, proof of executed aggregation agreements for the Emergency DR program and, on or before, October 13, 2023, proof of customer enrollment and the capacity to call Emergency DR events. *See id.* at page 5.

16. On September 20, 2023, LUMA filed with the Energy Bureau an *Informative Motion and Request for Extension of Deadline to File Proof of Execution of Aggregation Agreements* (“September 20th Motion”). LUMA informed that it had launched the BEDRP webpage, published the BEDRP Guidelines and submitted the form of the Master Aggregation Agreements to interested DR aggregators, and that DR Aggregators had posed questions regarding some of the provisions of the Master Aggregation Agreement which LUMA was then working on resolving. *See* September 20th Motion on pages 7-8. Given these circumstances, LUMA provided a revised timeline for the activities to implement the BEDRP taking into account the most recent hurdles and the resulting revised estimated timeframes. *See id.* at page 8 and Exhibit 1. LUMA emphasized, however, that it did not have certainty about when DR Aggregators would be able to begin enrolling customers and dispatching test events, as those activities are beyond LUMA’s control. *See id.*

17. On September 22, 2023, this Energy Bureau issued a Resolution and Order in Case *In re LUMA's Initial Budgets*, Case No. NEPR-MI-2021-0004 whereby, in pertinent part, it decided that the costs of the Energy Efficiency programs that are a part of the Approved TPP, would be recovered through base rate revenues, rather than through the EE Rider.

18. On September 29, 2023, LUMA filed with the Energy Bureau a motion informing on its efforts to allow DR Aggregators to evaluate and sign the Master Aggregation Agreement and expressed its understanding that it had taken all reasonable steps in its control to get the Master Aggregation Agreement executed by interested DR Aggregators, but getting the DR Aggregators to execute it was beyond LUMA's reasonable control, as well as reiterated the subsequent deadlines were also contingent on the DR Aggregators. *See Informative Motion Regarding Aggregation Agreements* of that date on page 4.

19. On October 13, 2023, LUMA filed with this Energy Bureau proof of execution of Master Aggregation Agreements and an update on customer enrollment. *See Motion to Submit Proof of Execution of Master Aggregation Agreements and Provide Update on Customer Enrollment* of that date ("October 13th Motion"). Therewith, LUMA informed that on October 13, 2023, it executed two Master Aggregation Agreements with DR Aggregators and submitted proof of execution consisting of a copy of the first page and the signature page of each executed agreement. *See* October 13th Motion on page 4. In addition, LUMA informed that given the recent execution of these agreements, customer enrollment had not yet occurred; that such activities were contingent on factors beyond LUMA's control; and that when such milestone is achieved, LUMA will promptly file proof thereof with the Energy Bureau. *See id.*

20. In compliance with the February 16th Resolution and Order, LUMA herein submits its TPP FY2023 Annual Report ("Annual Report") containing a description of the actions

completed by LUMA through June 30, 2023 and the progress of the Approved TPP in the reporting period as set forth in Section 6 of the TPP, including information on estimated program costs related to professional services and LUMA out-of-pocket administrative costs incurred between July 2022 and June 2023. *See Exhibit 1.* Although it is not required, the Annual Report also includes information on important milestones reached in the first quarter of FY2024. *See Exhibit 1, slide 12.*

21. It is respectfully informed that due to reasons beyond LUMA's control, including uncertainty on funding sources for the TPP, implementation of the Approved TPP was delayed. Thus, the Annual Report does not include information on some topics required by the EE Regulation due to lack of available information, which will only be available after the Approved TPP is further along in the implementation process and the EE and DR programs are launched, such as the information on gross annual and lifetime energy and peak demand savings and the total number of participants for each pilot and quick start program. Said information will be filed in future quarterly reports as it becomes available after the Approved TPP is implemented, as well as in the TPP FY 2024 Annual Report.

WHEREFORE, LUMA respectfully requests that the Energy Bureau **take notice** of the aforementioned and the TPP FY2023 Annual Report; and **deem** LUMA in compliance with the requirements set forth in the February 16th Resolution and Order on annual reporting.

RESPECTFULLY SUBMITTED.

In San Juan, Puerto Rico, this 30th day of October 2023.

We hereby certify that we filed this Motion using the electronic filing system of this Energy Bureau and that we will send an electronic copy of this Motion to the attorney for PREPA at jmarrero@diazvaz.law and Lionel Santa Crispín, lionel.santa@prepa.pr.gov; the Independent

Office for Consumer Protection at hrivera@jrsp.pr.gov; and agraitfe@agraitlawpr.com,
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Exhibit 1

FY 2023 TPP Annual Report



Energy Efficiency and Demand Response Transition Period Plan Annual Report

Reporting Period- July 2022 through June 2023

NEPR-MI-2022-0001
October 30, 2023

Content

- Introduction- Overview and Purpose
- Progress - LUMA's Activities and Achievements
- Status - LUMA's Activities and Achievements
- Customer Education
- Performance - Education and Outreach
- Performance - Support to Key Strategic Groups
- Performance - Program Savings
- DR Resources Acquired
- Estimated Program Costs
- Conclusions and Recommendations
- Appendix

Introduction-Overview and Purpose

LUMA, LCC/LUMA Energy ServCo, LLC (LUMA) is pleased to submit its first Transition Period Plan Annual Report in accordance with:

- Section 2.02 (E) (1) of the *Regulation for Energy Efficiency* as adopted pursuant to the provisions of Act 57-2014 as amended, known as the *Puerto Rico Energy Transformation and RELIEF Act* ("Act 57-2014")
- Resolution and Order issued by the Puerto Rico Energy Bureau (PREB or Energy Bureau) on February 16, 2023 in Case NEPR-MI-2022-0001 (February 16th Resolution and Order) and
- Energy Efficiency and Demand Response Transition Period Plan prepared by LUMA Energy that was considered, amended and approved by the Puerto Rico Energy Bureau pursuant to the February 16th Resolution and Order.

LUMA is committed to working with the Energy Bureau to build a more reliable, more resilient and cleaner energy system for the people of Puerto Rico. LUMA works to help implement Puerto Rico's public energy policy, including critical customer initiatives such as Energy Efficiency (EE) and Demand Response (DR) Programs, that are required by law and mandated by the Energy Bureau.

Progress -LUMA's Activities and Achievements

LUMA's accomplishments during this period include:

- **June 2022** - LUMA filed the Energy Efficiency and Demand Response Transition Period Plan approved by the Energy Bureau.
- **December 2022** - LUMA launched a Backup Generator Emergency Demand Response Pilot. (Additional information provided in slide 21).
- **June 2023** - LUMA made improvements to the energy section of the LUMA customer webpage to include information on Energy Efficiency and Demand Response.
<https://lumapr.com/residencial/ahorrando-energia-y-dinero/>
- **June 2023**- LUMA published an energy savings calculator with payback period calculation <https://lumapr.com/residencial/ahorrando-energia-y-dinero/>
See in resource tab
<https://lumapr.com/wp-content/uploads/2023/06/Energy-Savings-Calculators.xlsx>
- **June 2023** - After gathering input and information from DR Aggregators, LUMA finalized the design of the first Battery Emergency Demand Response pilot program for Puerto Rico.

Progress -LUMA's Activities and Achievements

Progress made in recent quarters:

- **On September 8, 2023** - LUMA launched the Battery Emergency Demand Response Webpage and published the BEDRP Guidelines.
- **On October 13, 2023** - LUMA executed three Master Aggregation Agreements with Demand Response (DR) Aggregators.
- **On October 3, 2023** - LUMA signed a contract with an implementation contractor. The implementation contractor selected is an expert in Energy Efficiency and Demand Response programs and is quickly proceeding with final program development and launch activities.

Milestones achieved between July 2023 – October 2023

Status-LUMA's Activities and Achievements

TPP Program	Initiatives	Description	Status
Program Management and Implementation Strategies Sec. 5.0	Implementation Contractor Onboarding	Contract with Implementation Contractor executed and onboarding	Completed October 2023
Education and Outreach Program Sec. 4.2	Consumer Education	Improvements to LUMA's webpage	Completed June 2023 & Ongoing
Education and Outreach Program Sec. 4.2	Consumer Education	Publication of energy savings calculator	Completed June 2023
Education and Outreach Program Sec. 4.2	Consumer Education	Energy savings tips on bill	Completed & Ongoing
Education and Outreach Program Sec. 4.2	LUMA STEM Program	Integrate students of all ages in projects and discussions to help them learn from and contribute to innovative uses of AGI technologies	Completed April 2023
Education and Outreach Program Sec. 4.2	Stakeholder Outreach	Active participation in bi-weekly meetings	Ongoing
Education and Outreach Program Sec. 4.2	Key Groups Interaction and support	Provided technical support to enterprise applying for DOE funding	Completed March 2023
Funding Sources and Cost Recovery Sec. 8.0	Grant Funds Identification	Conversations with the State Office of Public Energy Policy, Fortaleza, DOE and others	Ongoing
Street Light Conversion Program Sec. 4.5	Street Lighting Conversion Program	Repair or replace the streetlight infrastructure and upgrade to LED's	In progress
Emergency Demand Response Program Sec. 4.4.2	Pilot Program	Emergency Demand Response Pilot Program using backup generators	Launched December 2022
Battery Emergency Demand Response Program Sec. 4.3.2	Pilot Program	Use customer batteries to mitigate generation shortfalls (in process)	To be launched between October & November 2023



Customer Education

LUMA is actively educating customers about energy efficiency through different channels.

- Educational messages on monthly bills and bill inserts
- Social media posts and updates
- Website updates: <https://lumapr.com/residencial/ahorrando-energia-y-dinero/>
- As of October 27th, 2023, **854,810** registered customers at Mi LUMA, and **486,298** customers are using the Mi LUMA mobile app.

Customer-facing incentive programs are being prepared for launch and will be accompanied by marketing campaigns to educate customers about energy savings opportunities through the incentive programs.

Education and Outreach is comprised of educational tools, information resources, and outreach activities to increase customer and stakeholder understanding of Energy Efficiency and Demand Response technologies for achieving energy bill savings. LUMA is working with the implementation contractor to deliver additional customer education and engagement initiatives.

Performance - Education and Outreach

- LUMA has started customer education and outreach efforts, prior to launch of program pilots.

Education and Outreach	Quantity
Events	Approximately 20 Events
Social Media Posts	96 Social Media Posts
Website traffic	Approximately 20,868 website views

Performance - Support to Key Strategic Groups

LUMA continues to support the initiative of key groups in the energy sector, such as:

- Virtual Power Plant (VPP) Proponents
- Interest groups like the PR EE Working Group
- LUMA maintains regular engagement with local government agencies like the Department of Economic Development and Commerce (DEDC) Energy Policy Program (EPP) to collaborate in the creation and delivery of educational materials and joint outreach efforts.
- LUMA continues to engage with industry leaders in the private and public sectors on the development of education and outreach materials and, more broadly, on the development of a shared EE and DR brand.

Performance - Program Savings

- LUMA has continued to pursue stakeholder and outreach efforts, prior to launching the pilot programs.
- Demand Response and Energy Efficiency savings and other performance indicators will be reported once individual programs launch.
- In addition to the Education and Outreach Initiatives performance indicator, Demand Response and Energy Efficiency savings and program indicators will be reported once individual programs launch, and include:
 - Program Energy Savings by Sector
 - Program Energy Savings by Program
 - Demand Savings by Program



DR Resources Acquired

- The Battery Emergency Demand Response Program (BEDRP) will be open for enrollment in October 2023.
- Once the aggregator agreements are signed, the BEDRP aggregators will enroll up to **6,500 participants**, representing approximately 40 MWh of energy available during grid emergencies.
- Given the status of the pilot program LUMA will be able to indicate the number of participants enrolled and the total MW acquired in the next reporting period.
- BEDRP will be an important tool to help increase the energy available to all customers during emergency conditions and provide added resiliency and reliability to the Puerto Rico electric system.

Estimated Program Costs

- Costs reported for the Energy Efficiency and Demand Response programs are related to professional services and LUMA out-of-pocket administrative costs incurred between July 2022 and June 2023.
- Costs incurred between June 2021 and June 2022 are not included in this table.

Program	Estimated Costs
Residential Program	
Residential Rebates	\$0
C&I Program	
Business Rebates	\$0
Emergency DR	\$207,900
Economic DR	\$0
Education & Outreach	\$75,700
Cross-Cutting Planning, Administration & Startup Costs	\$1,174,968.78

Conclusions and Next Steps

- LUMA will continue educating its customers about the benefits of energy savings and engaging with key stakeholders in FY24.
- Battery storage system aggregators, with the support of LUMA, will begin customer enrollment in the BEDRP and conduct the first Event dispatches by late October or early November 2023.
- LUMA executed a contract with an Implementation Contractor and is currently preparing for FY24 launch of the EE programs outlined in the EE/DR Transition Period Plan.
- LUMA is committed to working with the Energy Bureau, DR Aggregators, stakeholders, and intervenors to build a more reliable, resilient, customer-focused, and cleaner energy system.

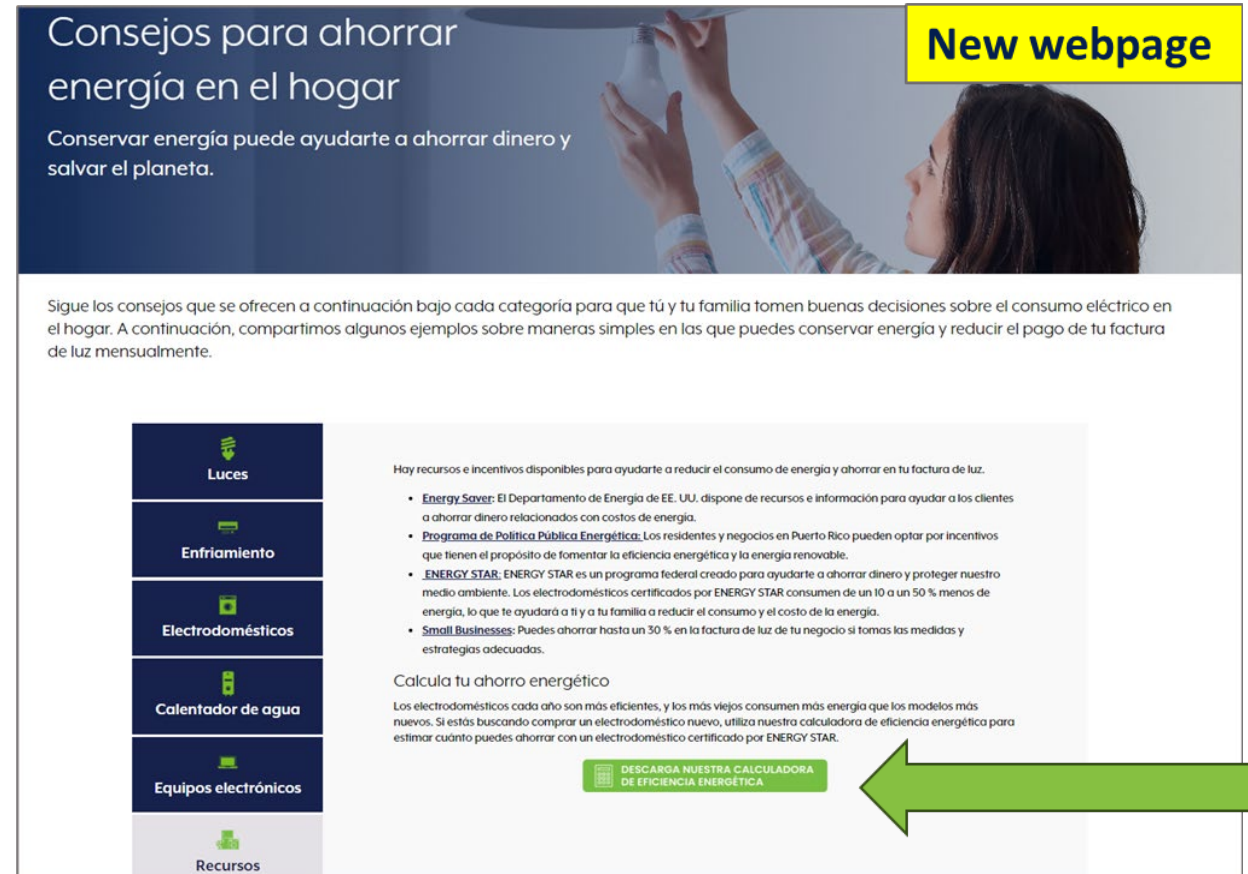
Appendix

Next Steps

Program	Activity	Description
EE/DR	Design and implementation of transition programs	Onboarding of the Implementation Contractor in October 2023
EE	Consumer Education	Continuation of energy saving tips on energy bill, bill inserts, social media and continued work with stakeholders like DDEC
EE	Street Lighting Conversion Program	Ongoing
EE	Identification of funds	TBD for FY25
EE/DR	Interaction and support with key groups	Ongoing
DR	Battery Emergency Demand Response Program	Three Master Aggregation Agreements were executed. Program launch expected between October and November 2023

Improvements Made to LUMA's web page: Energy Saving Tips


- **Content Improvements**
 - More information
 - Tips to help consumers save energy
- **Scope improvements - new links to:**
 - Public Energy Policy Program
 - ENERGY STAR
 - Small Business (tips specifically targeted to help small businesses save energy)




<https://lumapr.com/residencial/ahorrando-energia-y-dinero/>

Energy Savings Calculator


- LUMA's downloadable calculator helps consumers estimate how much it will cost to operate their current equipment and how much they could save by upgrading to ENERGY STAR appliances.
- LUMA's downloadable calculator includes the following equipment options:
 - Refrigerator / Freezers
 - Lighting
 - Water Heater
 - Window Air Conditioner (AC)
 - Mini-Split AC



Example


 LEARN MORE AT
energystar.gov

Estime cuanto le cuesta operar su aire acondicionado (AC) actual y cuanto puede ahorrar si lo mejora a uno ENERGY STAR



AC de ventana

PASO 1

¿Cuál es la capacidad de enfriamiento del AC que quiere reemplazar?

6,000 to 7,999 Btu/h

PASO 2

Costo de la unidad convencional (\$)	
Costo de la unidad ENERGY STAR (\$)	

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Consumo anual de electricidad estimado de su AC actual (kWh/año)	2,021
Consumo anual de electricidad estimado de su unidad ENERGY STAR nueva (kWh/año)	1,620
Costo anual de electricidad estimado para operar su AC actual (\$/año)	\$667
Costo anual de electricidad estimado para operar su unidad ENERGY STAR nueva (\$/año)	\$535
Ahorro anual estimado (\$/año)	\$132
Periodo de repago estimado	Por favor entre costos en el Paso 2

Productos calificados ENERGY STAR son comparados a productos no calificados. Basado en 2,800 horas de uso anual. Los ahorros pueden variar según uso y otros factores. Los ahorros pueden variar según uso y otros factores. El periodo de repago es el tiempo que tomaría recobrar la inversión adicional de comprar un producto calificado ENERGY STAR. En esta calculadora, el periodo de repago es el tiempo que tomaría recobrar la inversión adicional de comprar un producto calificado ENERGY STAR (ver formula abajo). Ejemplo: el periodo de repago estimado para recobrar la inversión adicional de comprar un acondicionador de aire ENERGY STAR sería 1 semana. Suposiciones: estimados basados en acondicionadores de aire convencionales y ENERGY STAR con especificaciones similares comprados a precio regular (capacidad de enfriamiento: 8,000 Btu/h); otras suposiciones a las usadas en este ejemplo pudieran dar resultados diferentes.

$$\text{Tiempo estimado de repago (año)} = \frac{\text{Costo de la unidad ENERGY STAR (\$)} - \text{Costo de la unidad Convencional (\$)}}{\text{Ahorros estimados (\$/año)}}$$

Para información de productos ENERGY STAR visite <https://www.energystar.gov/>
 Para consejos de como ahorrar energía visite <https://luma-pr.com/residencial/ahorrando-energia-y-dinero/>
 Ícono creado por Mania del Noun Project



Energy Savings Tips on Customer Bill Insert

Example of a LUMA bill insert

Tips to Help You Conserve Energy

Following these simple tips will help save money, lower energy demand and improve service reliability for all.

1

Turn off lights when not in use, replace lightbulbs with energy efficient LEDs

2

Wash clothes with cold water and clean out the dryer filter after each use

3

Clean or replace your air conditioner filter monthly

4

Enable energy saving modes on your TVs and computers

Visit our energy saving tips website to learn more:
lumapr.com/energy-saving-tips

LUMA

Energy Saving Education Messages on Customer Bills

Examples of educational messages on customer bill

¡En LUMA trabajamos para ti!


LUMA tiene tarifas de electricidad especiales para quienes cumplan con los requisitos, como los clientes de 65 años o más. Para más información, llámanos al 1-844-888-5862 o usa la aplicación Mi LUMA para llenar una 'Solicitud de plan de pago'.




Transformación del sistema eléctrico

¿Sabías que LUMA está encabezando la lucha por un Puerto Rico más renovable? En 17 meses, LUMA ha conectado a sobre 36,500 clientes de energía solar, más que los que conectó el operador anterior en 10 años.





Cantidad total adeudada al 7 de marzo de 2023: 

PÁGINA 3 DE 4

La instalación de un equipo para generar energía de fuentes renovables puede ayudarle a reducir su factura de electricidad y LUMA, mediante sus oficinas comerciales o por Internet, le suministrará información sobre cómo puede cualificar para ingresar al programa de medición neta. Además, existen beneficios contributivos para incentivar la compra de esos equipos sobre los que puede obtener más información en el Programa de Política Pública Energética.



Energy Savings from LUMA's Community Streetlight Initiative

- Every streetlight LUMA installs utilizes next-generation LED lights that use approximately 65% less energy and can last four times longer than conventional streetlight bulbs.
- This is an important energy efficiency effort that has short and long-term benefits for Puerto Rico.

Energy Savings, calendar year 2022 Q3 – 2023 Q2

Period (CY Quarter)	Assessments	Repaired	Energy Savings (MWh)
2022-Q3	12,648	15,315	2,448
2022-Q4	33,959	10,176	1,220
2023-Q1	87,182	13,312	1,150
2023-Q2	93,471	12,936	516
Totals	227,260	51,739	5,333

Backup Generator Emergency Demand Response Pilot

- In December 2022, workshops were held with industrial customers from the following sectors:
 - Pharmaceutical – Medical Devices
 - Biotechnology
 - Agricultural Sciences
- In May 2023, a presentation of the pilot program was sent to 26 potential industrial participants.
- Feedback includes:
 - Questions and concerns about the hours available in the air permit.
 - Additional specific costs to modify the generators for compliance might impact the decision.
 - Noise pollution was a concern.
 - Some customers have a very limited number of additional hours to run per year.