



U.S. Department of Housing and Urban Development

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Washington, DC 20410
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Environmental Review for Activity/Project that is Categorically Excluded Subject to Section 58.5

Pursuant to 24 CFR 58.35(a)

Project Information

Project Name: PR-ESP-00217 Luis Pizza Palace

Responsible Entity: Puerto Rico Department of Housing

Grant Recipient: Department of Economic Development and Commerce (DEDC)

State/Local Identifier: Puerto Rico / Bayamón, PR

Preparer: Patricia Carmenatty, Environmental Specialist
Behar Ybarra & Associates LLC
patricia.carmenatty@byaea.com
787-783-0290

Certifying Officer Name and Title: Permit and Environmental Compliance Officers:

Aldo A. Rivera Vazquez, PE - Director, Permits and Environmental Compliance Division

Angel G. López Guzmán - Deputy Director, Permits and Environmental Compliance Division

Maria T. Torres-Bregón - Permits and Environmental Compliance Manager

Permits and Environmental Compliance Specialist: Sally Z. Acevedo-Cosme, Limary Vélez Marrero, Ivelisse Lorenzo Torres, Mónica Machuca Rios, Janette I. Cambrelen, Santa Ramírez Lebrón, Abdul Feliciano Plaza, Pedro de León Rodriguez, Javier Mercado Barrera, Priscilla Toro Rivera

Consultant (if applicable): Behar Ybarra & Associates LLC

Direct Comments to: Puerto Rico Department of Housing at
comentariosambiental@vivienda.pr.gov

Project Location: Marginal A-3 Urb Forest Hills Bay, Bayamón PR, 00960
Coordinates: 18.385542, -66.165115
Parcel cadastral: 085-054-239-25-000

Description of the Proposed Project [24 CFR 50.21 & 58.32]:

The subject property is a commercial building located in Bayamón, PR serving as a restaurant. The project is located at Marginal A-3 Urb Forest Hills Bay, Bayamón PR, 00960, Latitude: 18.385542, Longitude: -66.165115. A Site Map is included in Figure 1 in Appendix 1, illustrating the location of the building. The area is characterized by being urban, near family residences and commercial buildings. The nearest highway with access to the building is PR-167 (Ave. Ramon Luis Rivera).

A field visit was conducted on March 14, 2025, to document existing conditions of the project site. The Field Visit Report is included in Appendix 2. The project scope includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) in the southwest corner inside the building, with all improvements limited to the roof, floors, and walls of the existing structure. The proposed system includes 68 Solar Panels (480 Watts) and two Tesla Powerwall 21 – 7.6kW, part of the equipment will be privately financed by the applicant. The system will be interconnected with the LUMA Energy distribution network under the Net Metering Program. The proposed project Scope of Work quote is included in Appendix 3.

Level of Environmental Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5: 58.35(a) [3(iii)]. In the case of non-residential structures, including commercial, industrial, and public buildings: (A) The facilities and improvements are in place and will not be changed in size or capacity by more than 20 percent; and (B) The activity does not involve a change in land use, such as from non-residential to residential, commercial to industrial, or from one industrial use to another.

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DE-72-0001	Community Development Block Grant (CDBG-DR): Electrical Power Reliability and Resilience Program (ER2) (Energy Support Incentive Program 2.0 Set-Aside)	Energy Support Incentive Program 2.0 Set-Aside - \$30,000,000 set aside from ER2 Total – \$1,316,406,180.00.

Estimated Total HUD Funded Amount: \$48,286.80

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$80,478.00

Privately funded by the applicant: \$32,191.20

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The site is located 32,686 feet from the nearest civil airport, Fernando Ribas Dominicci in San Juan and 55,160 feet from the nearest military airport, Luis Muñoz Marín International Airport in San Juan. This topic is in compliance with HUD's Airport Hazard Regulations without further evaluation. Refer to Airports Map Zone, Figure 2 included in Appendix 1.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not located in a CBRS Unit. The project is located 28,776 feet southeast of the nearest Coastal Barrier Resource System, PR-86P. Therefore, this project has no potential to impact on a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. Refer to Coastal Barrier Resource System Map, Figure 3 included in Appendix 1.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	As per FEMA's FIRM Panel 72000C0345J, effective November 18, 2009, this project is located within Zone X. The project does not require flood insurance or is excepted from flood insurance. The project is in compliance with the Flood Insurance section without further evaluation. Refer to Flood Insurance Rate Map, Figure 4 included in Appendix 1.

STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5

<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located in a non-attainment municipality, however, it is not in a non-attainment area. This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) in the southwest corner inside the building located in the Municipio of Bayamon. The project activities do not create new sources of air pollution. As described, the project does not involve new construction or a change in land use to facilitate the development of public, commercial, or industrial facilities, nor does it involve five or more dwelling units. Accordingly, under HUD's environmental review procedures, the project is presumed to result in emissions below de minimis levels and is considered compliant with the Clean Air Act (CAA).</p> <p>The project is located 6,338 feet from the nearest Non-attainment area. The proposed project activities will not create new air emission generator sources. Furthermore, under Puerto Rico's air quality regulations, the project meets the exemption criteria outlined in Rule 206 of the RCAP (1995), Regulation No. 5300, and is therefore in compliance with the Clean Air Act and all applicable federal, state, and local air quality standards. The installation and operation of this project will have no impact and is in compliance with the Clean Air Act without further evaluation.</p> <p>See attached published list of Puerto Rico Nonattainment/Maintenance Status for each country by year for all criteria pollutants in Appendix 4.</p> <p>Refer to Clean Air Map, Figure 5 included in Appendix 1.</p>
<p>Coastal Zone Management</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located 1,339 feet from the nearest Coastal Zone Management Area and does not affect a Coastal Zone as defined in</p>

Coastal Zone Management Act, sections 307(c) & (d)		<p>the state Coastal Management Plan. The project is in compliance with the Coastal Zone Management Act.</p> <p>Refer to CZMA map, Figure 6 included in Appendix 1.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 50.3(i) & 58.5(i)(2)</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) in the southwest corner inside the building. The project site was evaluated for potential contamination by conducting a field inspection on March 14, 2025, to identify any onsite hazards including, but not limited to, soil staining, above ground storage tanks, signs of underground storage tanks, odors, hazardous debris, potential contamination regarding lead-based paint or asbestos, etc. The site inspection did not identify any onsite hazards.</p> <p>In addition, a desktop review of USEPA databases, NEPAAssist, and other sources was conducted to determine if the project site was located near dump sites, junk yards, landfills, hazardous waste sites, or industrial sites, including USEPA National Priorities List Sites (Superfund sites), CERCLA or state equivalent sites, RCRA Corrective Action sites with release(s) or suspected release(s) requiring clean-up action and/or further investigation. The desktop review finds eleven sites within 3,000 feet of the project area. Ten sites are registered as RCRA facilities with no violations identified, one site is registered as TRI facility and one as an ACRES facility with no clean-up activities. Therefore, the sites do not present a risk to the health and safety of project occupants or conflict with the intended use of the property.</p> <ul style="list-style-type: none"> CARIBBEAN UNIVERSITY, REGISTRY ID: 110004888248, PR-167 KM 21.2 – RCRAINFO – The site is active. No violations identified. – 1,107 feet

		<ul style="list-style-type: none"> • ROMUTEE IND AIR DUCTS CORP, REGISTRY ID: 110007815409, ST E BLDG M1446-08-89-02 – RCRAINFO – The site is inactive. No violations identified. – 2,126 feet • HARRIS PAINTS CORP, REGISTRY ID: 110007806222, 25 C ST. MINILLAS INDL. PARK – RCRAINFO and TRI – The site is active. No violations identified. – 2,643 feet • MAXLAN IND SEVICES INC, REGISTRY ID: 110007815427, ST D BLDG M3 – RCRAINFO – The site is inactive. No violations identified. – 2,013 feet • SUPER TRUCK PARTS INC, REGISTRY ID: 110041679289, PR-167 KM 20.5 BO LA ALDEO – RCRAINFO – The site is active. No violations identified. – 2,639 feet • JEFY COLON COLON, REGISTRY ID: 110004890413, CALLE AVE MAGNOLIA P 15 – RCRAINFO – The site is inactive. No violations identified. – 2,152 feet • FARMACIAS PLAZA #2, REGISTRY ID: 110071424559, MARGINAL D-32 EXT FORREST HILLS – RCRAINFO – The site is active. No violations identified. – 484 feet • SHELL CO PR LTD SS 3026 COUNTRY ESTATES, REGISTRY ID: 110007819487, PR-167 KM 20.7 – RCRAINFO – The site is inactive. No violations identified. – 570 feet • WALGREENS #380, REGISTRY ID: 110064658712, 4699 RR 5 – RCRAINFO – The site is active. No violations identified. – 2,810 feet • ROMUTEC INDUSTRIAL AIR DUCTS CORP, REGISTRY ID: 110007814240, ST E BLDG 1446-0-89-02 – RCRAINFO – The site is
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		<p>inactive. No violations identified. – 2,126 feet</p> <ul style="list-style-type: none"> • CITGO COMERIO - ACRES Property ID: 224061 - 400 Calle Comerio BAYAMON, PR 00959. There are no current cleanup activities. 1,356 feet. No ECHO Report Available. <p>Refer to the ECHO Reports included in Appendix 5.</p> <p>The lead-based paint review is subject to the Lead Safe Housing Rule (LSHR) under 24 CFR Part 35, the EPA's Renovation, Repair and Painting (RRP) Rule under 40 CFR Part 745 Subpart E, and Puerto Rico DNER Regulation 9098. A lead-based paint inspection and/or risk assessment is not required if the building was constructed after January 1, 1978. The subject property was built in circa 1955; therefore, it is required to perform a screen for lead-based paint prior to starting the work.</p> <ul style="list-style-type: none"> • The work must be performed by RRP Certified Renovation Firm. • At least one RRP-Certified Renovator must be at the job site or available when work is being done. • Workers at the job site must receive on-the-job training from the Certified Renovator. • Lead Safe Work Practices are recommended if paint disturbance is "di minimis". • Lead Safe Work Practices are required if paint disturbance exceeds "di minimis" but not EPA's minor repair and maintenance threshold. • Property Risk Assessment and abatement of all lead-based paint hazards are required prior to commencing work if paint disturbance is significant.
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	<p>The proposed activities are minor in scope and involve limited surface penetration (e.g., drilling to mount equipment). They do not include demolition or renovation activities that would disturb significant quantities of ACM. The systems being installed have been consistently evaluated as non-invasive and do not trigger permitting thresholds under NESHAP.</p> <p>While minimal dust or particulate emissions may result from surface drilling, these emissions are expected to remain well below de minimis thresholds and do not result in the release of regulated asbestos fibers. Additionally, the program does not include new construction or land conversion.</p> <p>Under Puerto Rico's air quality regulations, these activities qualify for permitting exemptions under Rule 206 of the Regulation for the Control of Atmospheric Pollution (RCAP), Regulation No. 5300, confirming compliance with the Clean Air Act and all applicable federal, state, and local air quality standards.</p> <p>The Energy Support Incentive Program 2.0 – Set-Aside Program, funded through CDBG-DR, does not involve construction activities that would require a building or use permit. According to Planning Board Joint Regulation 9473, approved on June 16, 2023, Section 9.4.1.3.a.1 states: "Photovoltaic solar installations that are installed on the roofs of structures and whose capacity is up to one megawatt do not require a construction or use permit. Nor will a building permit be required for systems up to one hundred kilowatts above ground."</p> <p>As such, the proposed activities do not trigger construction permit requirements and do not involve regulated asbestos disturbance. No renovation or demolition activities that would exceed ACM thresholds are included in the program.</p> <p>On January 11, 2024, HUD issued Notice CPD-23-103, Departmental Policy for</p>
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		<p>Addressing Radon in the Environmental Review Process, which requires the Responsible Entity (RE) to consider radon as part of the site contamination analysis for projects subject to HUD’s contamination regulations at 24 CFR 58.5(i), unless the project qualifies for an exemption. According to the notice, radon must be addressed in environmental reviews for projects involving structures that are or will be occupied for at least four (4) hours per day. The eligible business activities under the Energy Support Incentive Program 2.0 – Set-Aside Program are expected to meet this occupancy threshold and thus would typically require radon consideration as part of the environmental review. However, there is currently no large-scale dataset available for Puerto Rico that meets HUD’s standards for determining radon hazard levels. On March 6, 2024, the Puerto Rico Department of Housing (PRDOH) formally consulted with HUD to document the absence of reliable scientific data and to explain that radon testing in Puerto Rico would be impractical and infeasible. This determination was based on prior research efforts that lacked adequate laboratory support, making it difficult to obtain accurate or consistent results.</p> <p>Additionally, there is a limited number of trained radon testing professionals on the island, which presents another barrier to compliance with HUD’s testing requirements. In response, on May 15, 2024, HUD requested that PRDOH consult with relevant agencies—including the Environmental Protection Agency (EPA), United States Geological Survey (USGS), University of Puerto Rico – Mayagüez Campus, and the Puerto Rico Department of Natural and Environmental Resources (DNER)—to further document the lack of scientific data, as outlined in Section III.C. of Notice CPD-23-103. On August 20, 2024, PRDOH conducted formal consultations with the above-mentioned agencies and submitted</p>
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		<p>information requests to state and federal entities. Responses were received from the following: United States Geological Survey (USGS); Centers for Disease Control and Prevention (CDC); Puerto Rico Department of Health; United States Environmental Protection Agency (EPA).</p> <p>All responding agencies confirmed the absence of reliable, large-scale radon data for Puerto Rico and acknowledged the technical and logistical challenges associated with radon testing on the island. Based on these consultations and findings, radon testing is deemed infeasible and impracticable for the Energy Support Incentive Program 2.0 – Set-Aside Program. Therefore, no further consideration or evaluation of radon is required as part of the environmental review, in accordance with HUD Notice CPD-23-103. Supporting documentation is provided in Appendix 5. In conclusion, after reviewing the program in the context of the site contamination analysis requirements under 24 CFR 58.5(i), PRDOH has determined that radon testing is impractical and infeasible, and no further evaluation is required for radon.</p> <p>The project is in compliance with Contamination and Toxic Substances requirements.</p> <p>Refer to Contamination and Toxic Substances, Figure 7 included in Appendix 1.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>After reviewing data from the United States Fish and Wildlife Service (USFWS) Information and Planning Consultation (IPaC), the Puerto Rican boa (<i>Chilabothrus inornatus</i>) could be found in the project area. The scope of work includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) in the southwest corner inside the building. Since the work to be carried out is limited to the roof and wall of the structure, it does not involve any type of ground disturbance or removal of</p>

		<p>vegetation. The nature of the project, scope of work, information available, a careful analysis of the IpaC, the Caribbean Dkey in the US Fish and Wildlife Service's online IPaC application, and the observations during the field visit on March 14, 2025, were used to evaluate the potential impacts to federally listed species from this project. Based on the answers provided, a consistency letter was obtained for the Puerto Rican boa which determined that the proposed actions for this project would have "No Effect" (NE) for this species.</p> <p>The nearest Critical Habitat is 20,067 feet from the project site. Agency consultation was submitted on May 1, 2025, and response was received on May 29, 2025. The project is in compliance with the Endangered Species Act of 1973.</p> <p>If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask them to relocate the Boa. As established by the USFWS Puerto Rican Boa Conservation Measures Guideline. https://ipac.ecosphere.fws.gov/guideline/desi/gn/population/156/office/41430.pdf</p> <p>Refer to Threatened and Endangered Species Map, Figure 8 included in Appendix 1.</p> <p>See USFWS "No Effect" Memo and supporting documentation in Appendix 6.</p>
<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) in the southwest corner inside the building and will not result in increased densities, conversion to residential uses, or making a vacant building habitable.</p> <p>The project itself is not the development of a hazardous facility, nor will the project</p>

		increase residential densities or result in land conversion. The project is in compliance with HUD Explosive and Flammable Hazards.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>This project does not include any activities that could potentially convert agricultural land to non-agricultural use. The project is in an area designated as not prime farmland. The project is in compliance with the Farmland Protection Policy Act.</p> <p>Refer to Farmland Protection Map, Figure 9 included in Appendix 1.</p>
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>PFIRMs in Puerto Rico was only developed for certain sections of the municipalities of Carolina, Canovanas, Loiza, San Juan, Trujillo Alto and Rio Grande. The proposed project is located in the municipality of Bayamon. Therefore, PFIRM information is not available for the area and considered in the review.</p> <p>As per the FEMA Advisory Based Flood Elevation Maps (ABFE), the project site is located within Zone X (area of minimal flood hazard). As the project site is not located within the FEMA-designated Special Flood Hazard Areas for the 1 percent (100-year) or 0.2 percent (500-year) flood zones, it is not classified as being within the floodplain. The project is in compliance with the HUD Floodplain Management Regulations and the Executive Order 11988.</p> <p>Refer to Preliminary FIRM Figure 4-A and Advisory Base Flood Elevation Map, Figure 10 included in Appendix 1.</p>
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The State Historic Preservation Office reviewed the proposed project location in accordance with 54 U.S.C. 306108 (commonly known as Section 106 of the National Historic Preservation Act) and 36 CFR Part 800: Protection of Historic Properties. Documentation with photographs and maps was subsequently submitted to SHPO (attached Appendix 7). In response from PR SHPO dated June 17, 2025, SHPO concurred with a finding of “<i>No Historic</i></p>

		<p><i>Properties Affected</i>” within the project’s Area of Potential Effects. The property is not considered historic or contributing to an historic district (See attached Historic map, Figure 11). Therefore, this activity is in compliance with the National Historic Preservation Act.</p> <p>Refer to Historic Preservation Map, Figure 11 included in Appendix 1.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building’s roof and appurtenant storage system (batteries) in the southwest corner inside the building. The project does not include new construction for residential use or rehabilitation of an existing residential property. The site is urban developed and there will be no impact to or from the surrounding area from a noise perspective. This topic is in compliance with Noise abatement and Control without further evaluation.</p> <p>Refer to Noise Abatement and Control Map, Figure 12 included in Appendix 1.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the USEPA’s Source Water Protection, Sole Source Aquifer Protection Program, there are no sole source aquifers in Puerto Rico. Therefore, the proposed project site is not located within a sole source aquifer, nor will it directly or indirectly impact one. Therefore, the project is in compliance with the Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 C.F.R. Part 149 without further evaluation.</p> <p>Refer to Sole Source Aquifer Map, Figure 13 included in Appendix 1.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project does not involve new constructions and/or activities that may have a direct or indirect adverse impact on any on site wetlands, there are no wetlands within or in the vicinity of the project area. The closest wetland is located 1,236 feet from the Project Site. The project does not have the potential</p>

		to impact wetlands. The project is in compliance with E.O. 11990. Refer to Wetlands Map, Figure 14 included in Appendix 1.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not within proximity of the NWSRS river. The project is located 133,686 feet from the nearest Wild and Scenic River (De la Mina River). The project is in compliance with the Wild and Scenic Rivers Act. Refer to Wild and Scenic Rivers Map, Figure 15 included in Appendix 1.

Field Inspection: March 14, 2025, by Egon Gonzalez and Patricia Carmenatty.

Summary of Findings and Conclusions: The proposed activity has been found to not have any adverse effects on the environment nor is there a requirement for further consultation with any agency. There is no environmental review topics addressed that result in the need for formal compliance steps or the requirement for mitigation.

Mitigation Measures and Conditions


Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	<p>The subject property was built circa 1970; therefore, it is required to perform a screen for lead-based paint prior to starting the work.</p> <ul style="list-style-type: none"> • The work must be performed by RRP Certified Renovation Firm. • At least one RRP-Certified Renovator must be at the job site or available when work is being done. • Workers at the job site must receive on-the-job training from the Certified Renovator. • Lead Safe Work Practices are recommended if paint disturbance is "di minimis". • Lead Safe Work Practices are required if paint disturbance exceeds "di minimis" but not EPA's minor repair and maintenance threshold.

	<ul style="list-style-type: none"> Property Risk Assessment and abatement of all lead-based paint hazards is required prior to commencing work if paint disturbance is significant.

Determination:

- ☐ This categorically excluded activity/project converts to Exempt, per 58.34(a)(12) because there are no circumstances which require compliance with any of the federal laws and authorities cited at §58.5. **Funds may be committed and drawn down after certification of this part** for this (now) EXEMPT project; OR
- ☒ This categorically excluded activity/project cannot convert to Exempt because there are circumstances which require compliance with one or more federal laws and authorities cited at §58.5. Complete consultation/mitigation protocol requirements, **publish NOI/RROF and obtain “Authority to Use Grant Funds”** (HUD 7015.16) per Section 58.70 and 58.71 before committing or drawing down any funds; OR
- ☐ This project is now subject to a full Environmental Assessment according to Part 58 Subpart E due to extraordinary circumstances (Section 58.35(c)).

Preparer Signature: 

Date: 8/29/2025

Name/Title/Organization: Patricia Carmenatty Santiago
Environmental Specialist,
Behar Ybarra & Associates LLC

Responsible Entity Agency Official Signature:

_____ Date: 09/04/2025

Name/Title: Abdul X. Feliciano Plaza, Permits and Environmental Specialist

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Appendices

List of Appendices

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1	Figures
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3	Scope of Work Quote
4	EPA's published Summary of Nonattainment Area Population Exposure 1 Report. This is a summary of the 2010 population living in an area that is in nonattainment for at least one of the National Ambient Air Quality Standards (NAAQS). EPA's Published Status of Puerto Rico Designated Areas. This is a summary of Puerto Rico's designated areas by NAAQS and year
5	RADON - Memorandum to File and Supporting documentation
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Appendix 1: Figures

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11	Historic Preservation Map
12	Noise Abatement and Control Map
13	Sole Source Aquifer
14	Wetlands Map
15	Wild and Scenic Rivers Map

Luis Pizza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

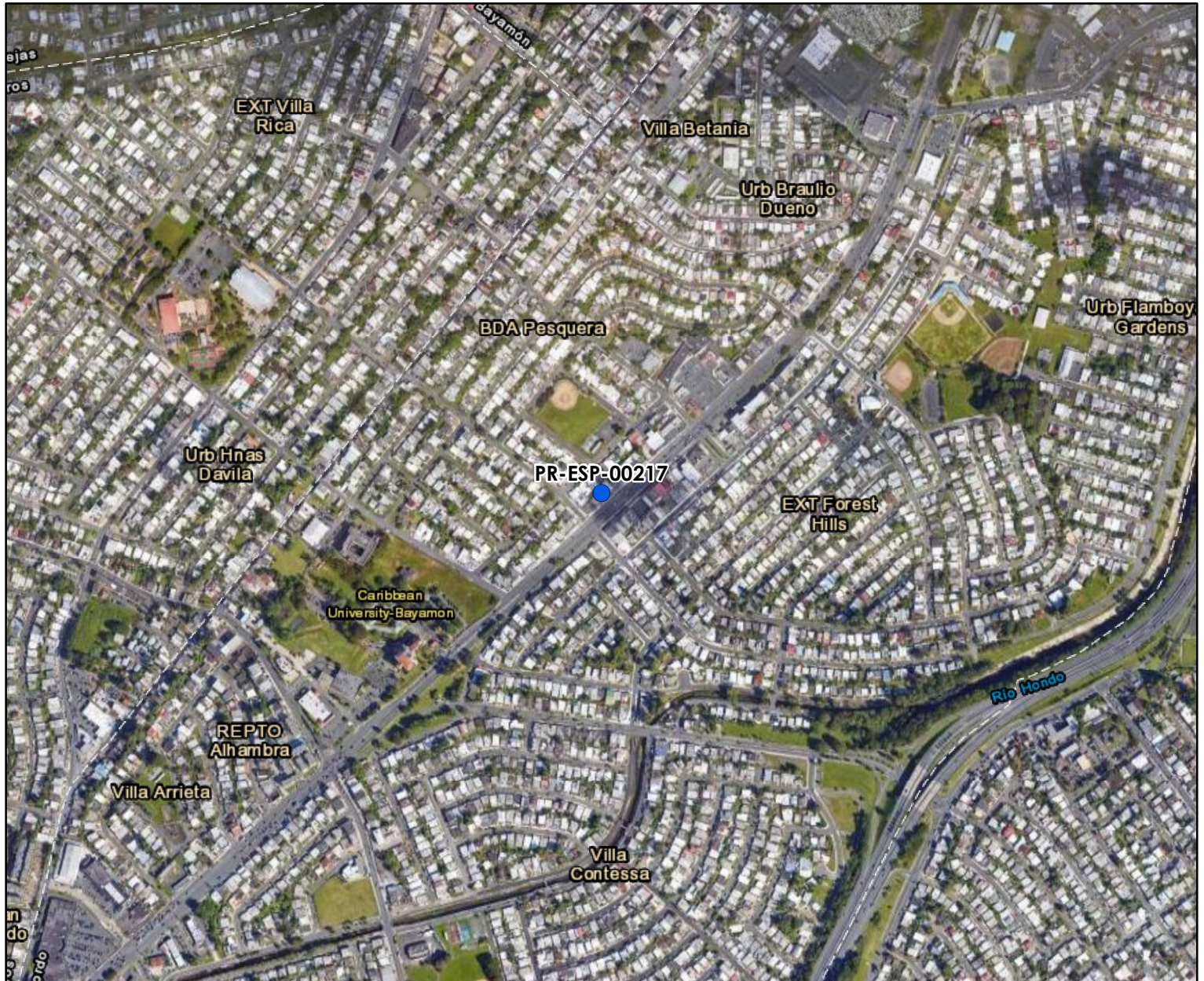
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 1

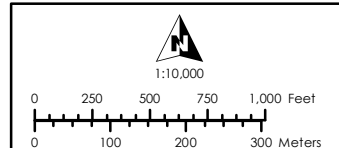
Location: Aerial Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

● PR-ESP-00217



Service Layer Credits:

Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

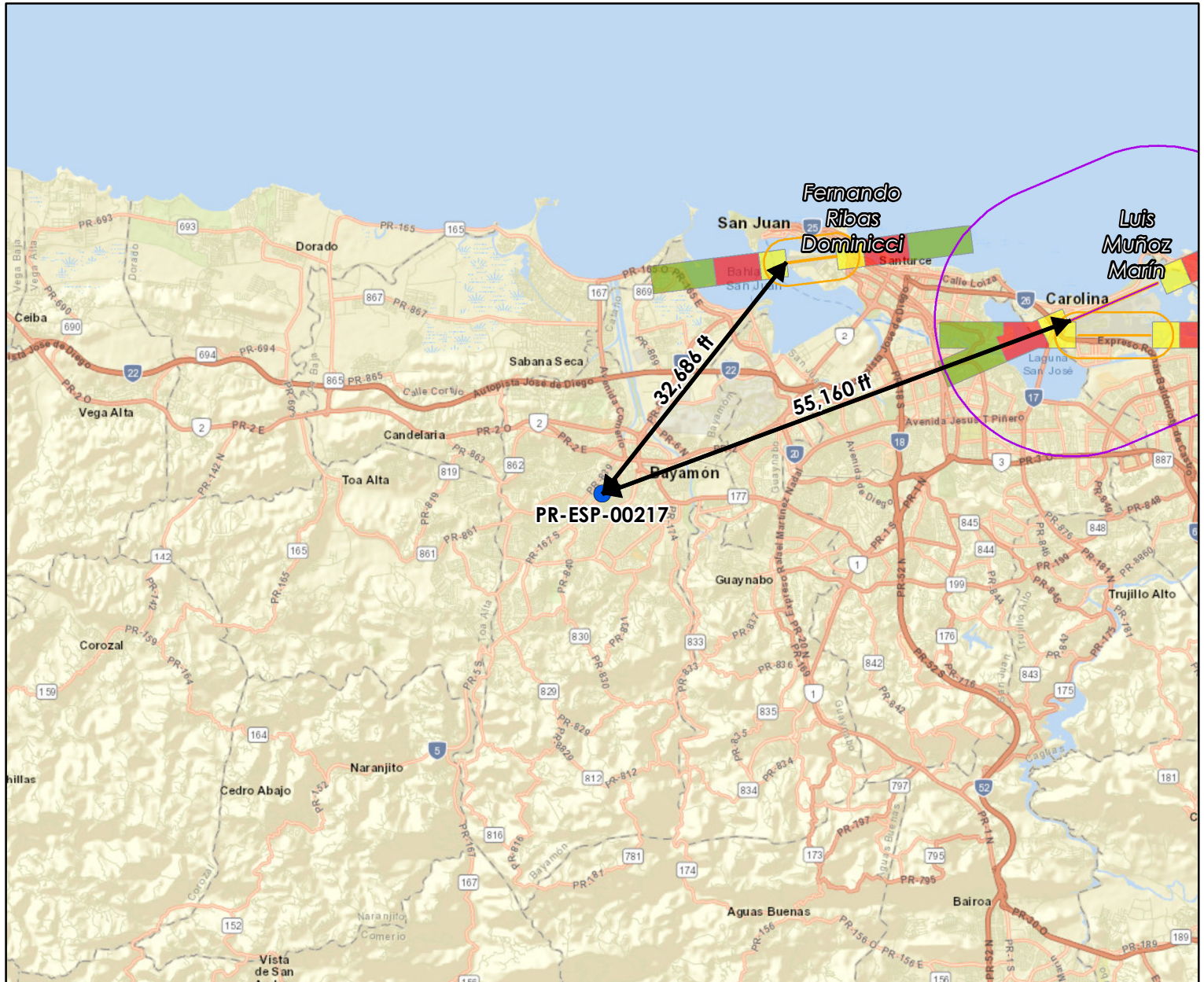
Source:

Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

Figure 2

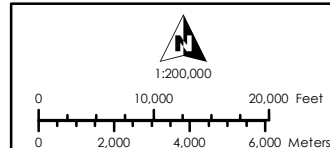
Airports Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- PR-ESP-00217
- SJU Military Runaway
- SJU Civil Runaway
- Military Airport Buffer (15,000 Fts.)
- Civil Airport Buffer (2,500 Fts.)
- Accident Potential Zone**
- APZ 1
- APZ 2
- Clear Zone



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

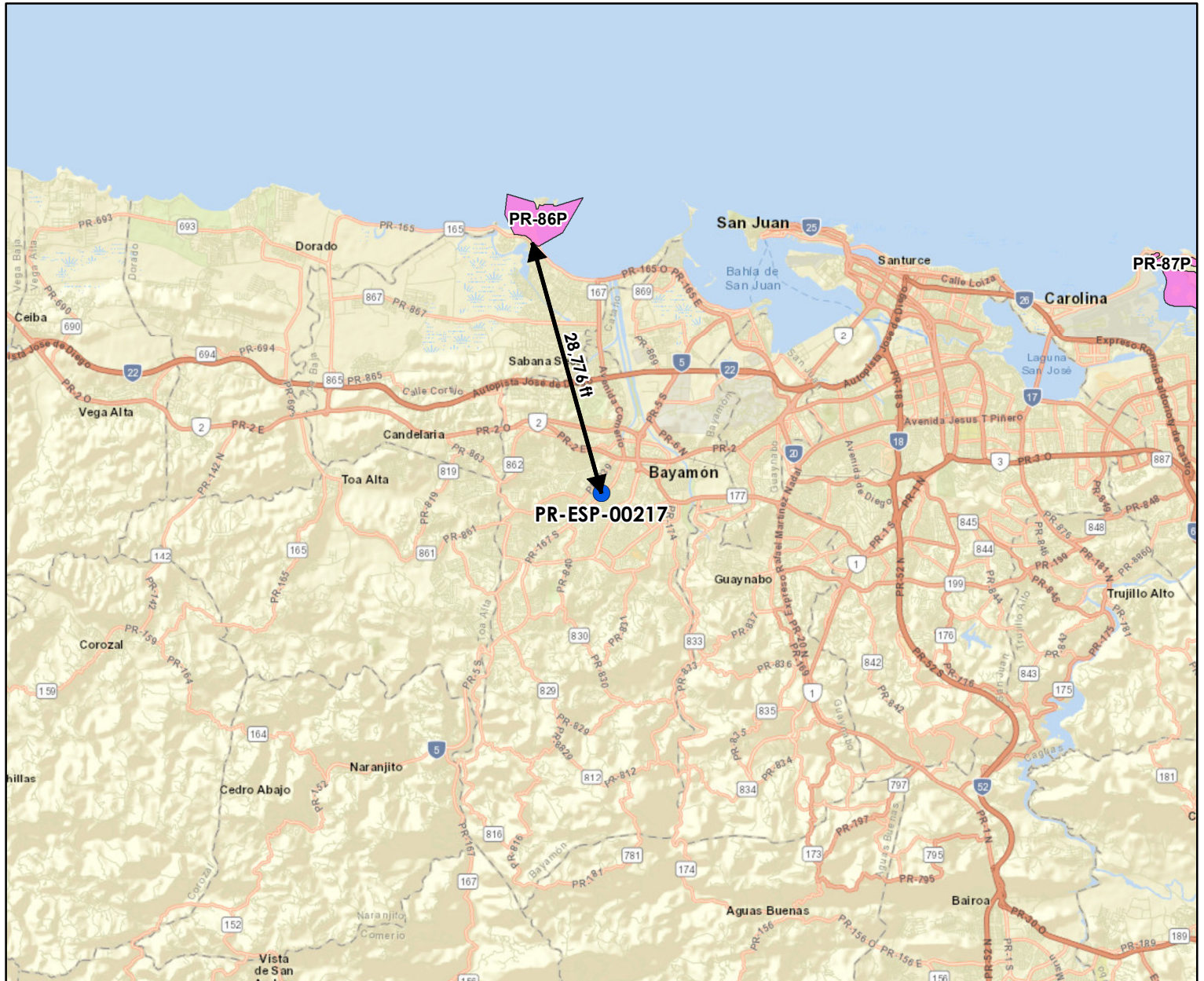
Source:

Federal Aviation Administration (FAA)
<https://adds-faa.opendata.arcgis.com/>
The Environmental Protection Agency
<https://www.epa.gov/nepa/nepasist>

Figure 3

Coastal Barrier Resource System Map

Electrical Power Reliability and Resilience Program (ER2)



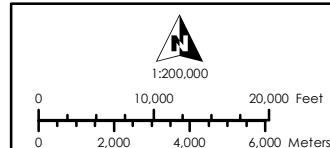
Legend:

● PR-ESP-00217

Coastal Barrier Resources System

Otherwise Protected Area

System Unit



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

U.S. Fish and Wildlife Service (FWS)
<https://www.fws.gov/program/coastal-barrier-resources-act>

Luis Pizza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

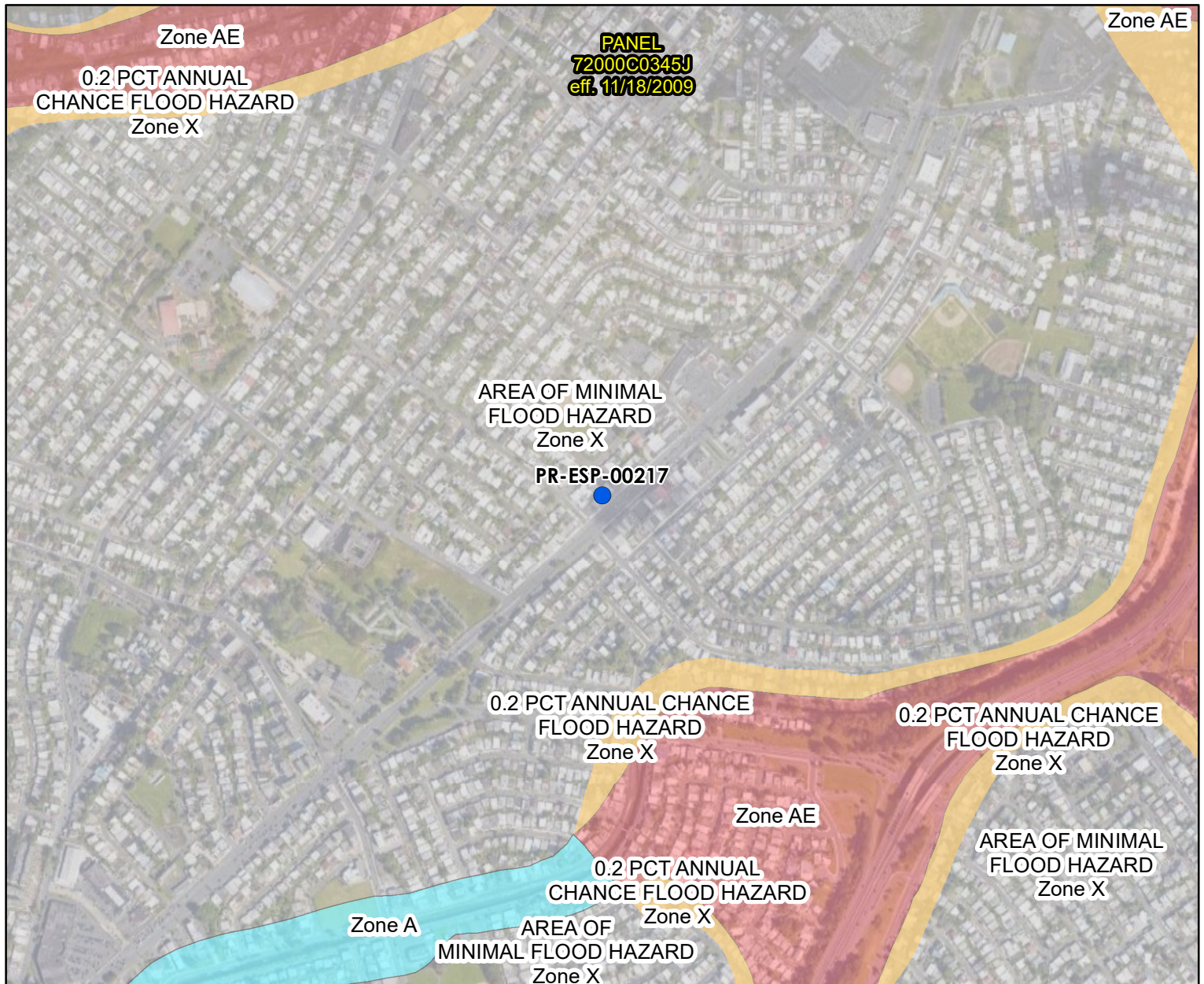
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 4

Flood Insurance Rate Map

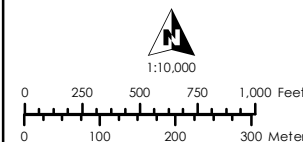
Electrical Power Reliability and Resilience Program (ER2)



Legend:

- PR-ESP-00217
- FIRM Panel
- Floodway
- 0.2% Annual Chance Flood Hazard
- Zone D Area of Undetermined Flood Hazard

- Zone A
- Zone AE
- Zone AH
- Zone AO
- Zone VE
- Zone X



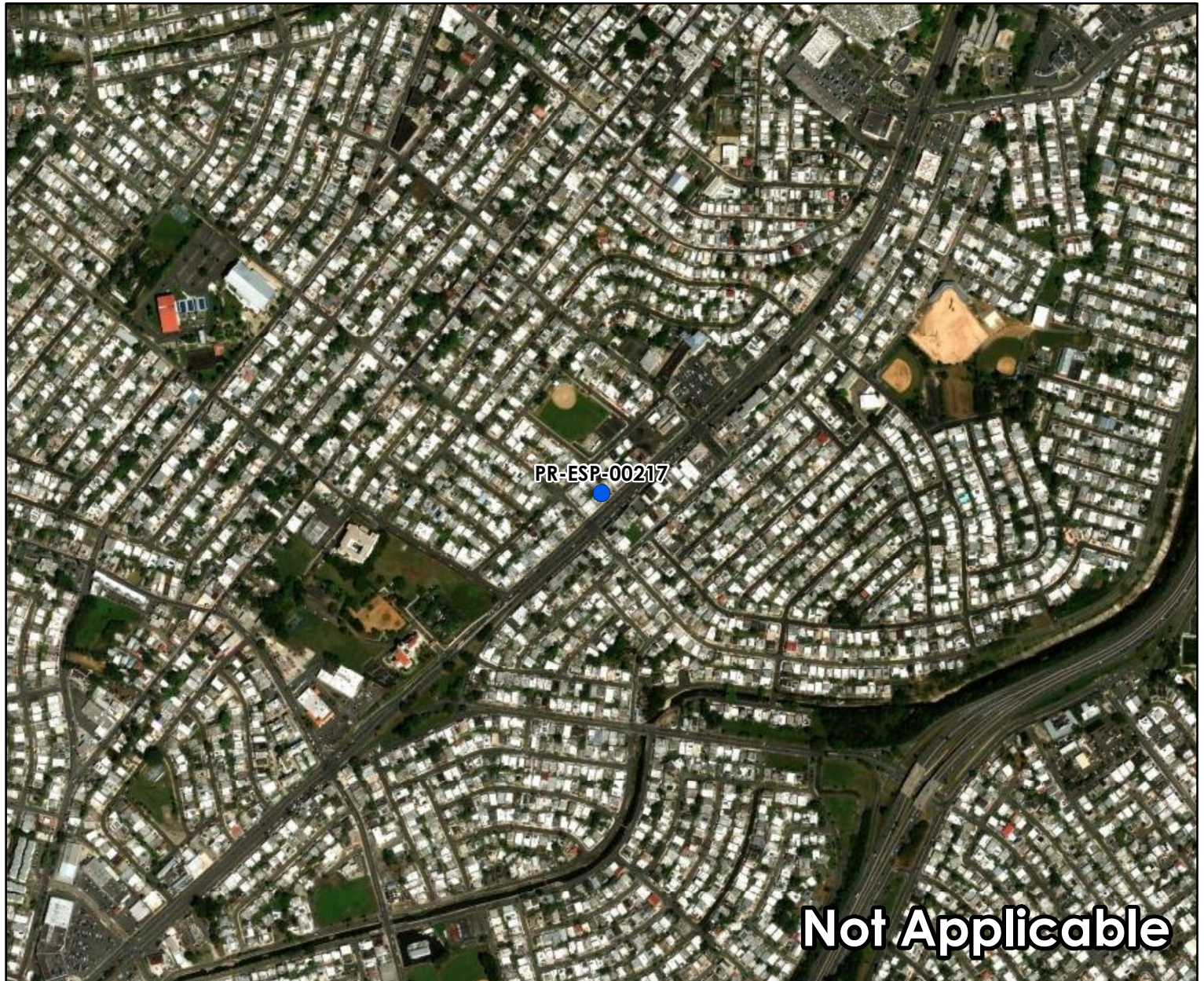
Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>













Figure 4-A

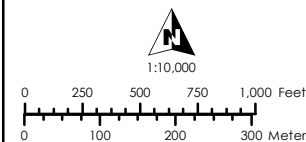
Preliminary Flood Insurance Rate Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- | | |
|--|---|
|  PR-ESP-00217 |  Zone A |
|  Preliminary FIRM Panel |  Zone AE |
|  Floodway |  Zone AH |
|  Profile Baseline |  Zone AO |
|  Base Flood Elevation (m) |  Zone VE |
|  0.2% Annual Chance Flood Hazard (Zone X) |  Zone X |



Service Layer Credits:

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>

Luis Pizza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

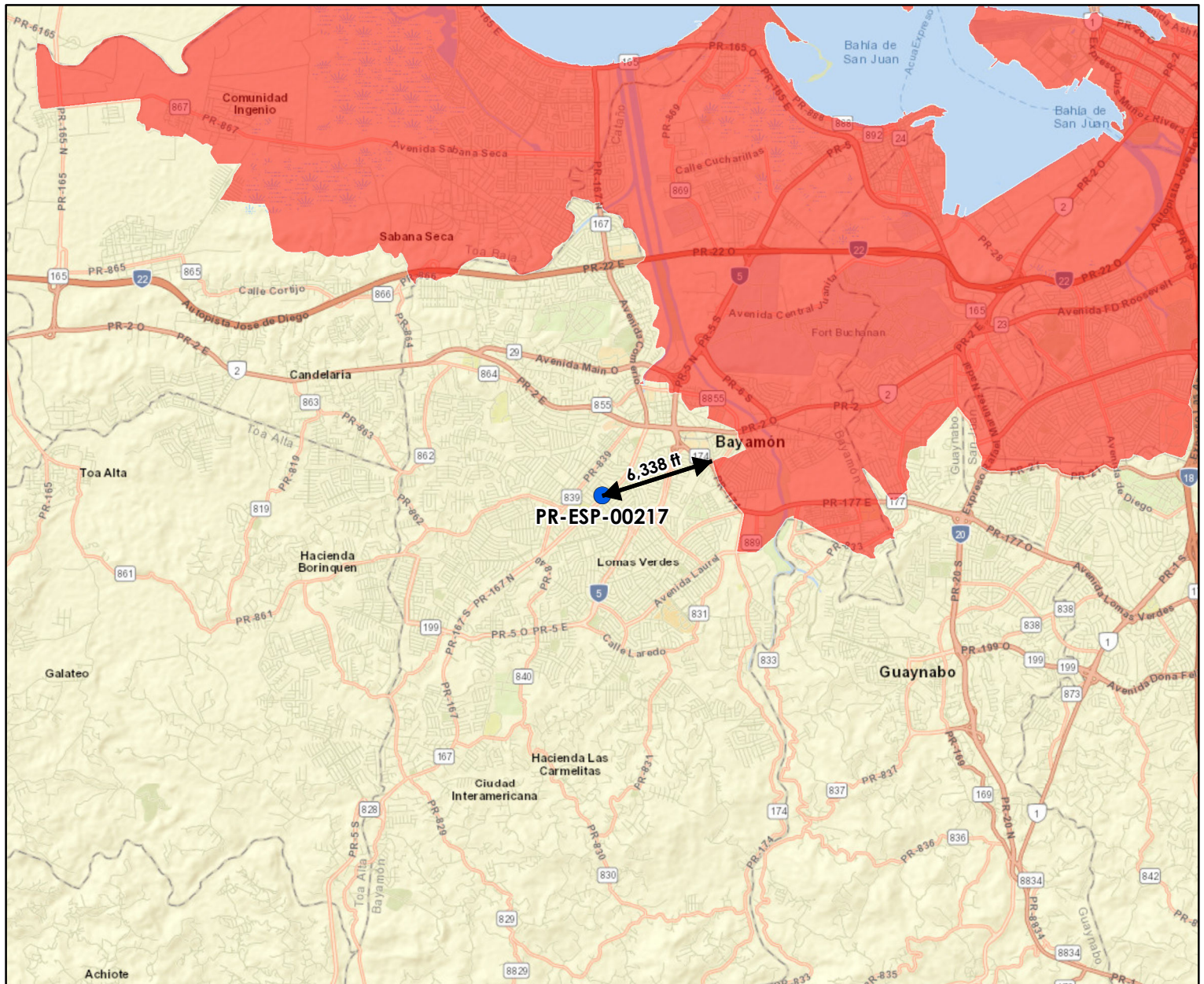
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 5

Clean Air Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- PR-ESP-00217
- Clean Air Areas - SO₂
- Clean Air Areas - Lead



1:100,000

0 2,000 4,000 6,000 8,000 10,000 Feet
0 1,000 2,000 3,000 Meters



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

U.S. Geological Survey (USGS)
<https://pubs.er.usgs.gov>

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Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

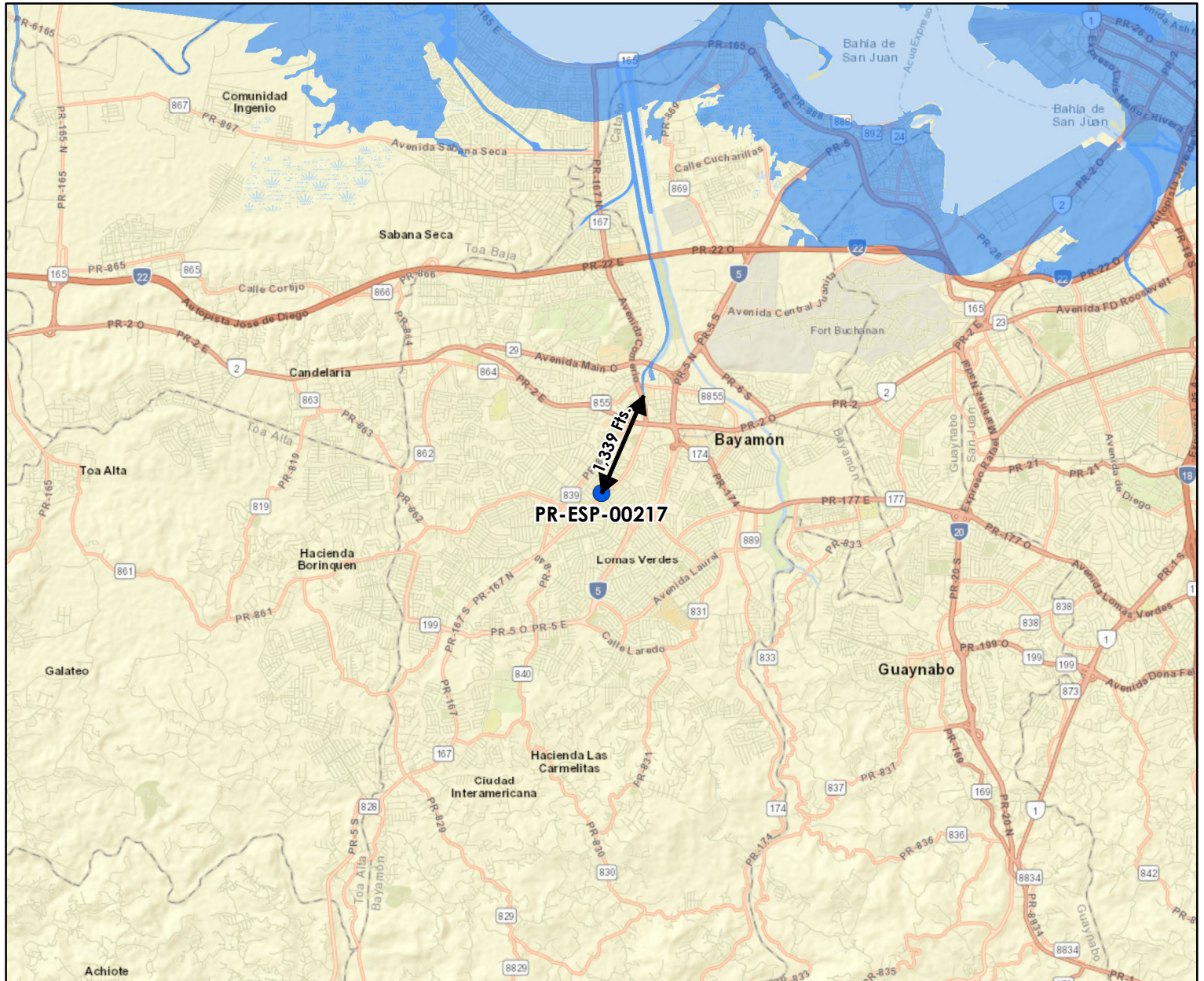
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 6

Coastal Zone Management Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:



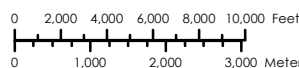
PR-ESP-00217



Coastal Zone Management Act Boundary



1:100,000



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

NOAA Office for Coastal Management (NOAA/OCM)
<https://www.fisheries.noaa.gov/inport/item/53132>

Luis Piza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

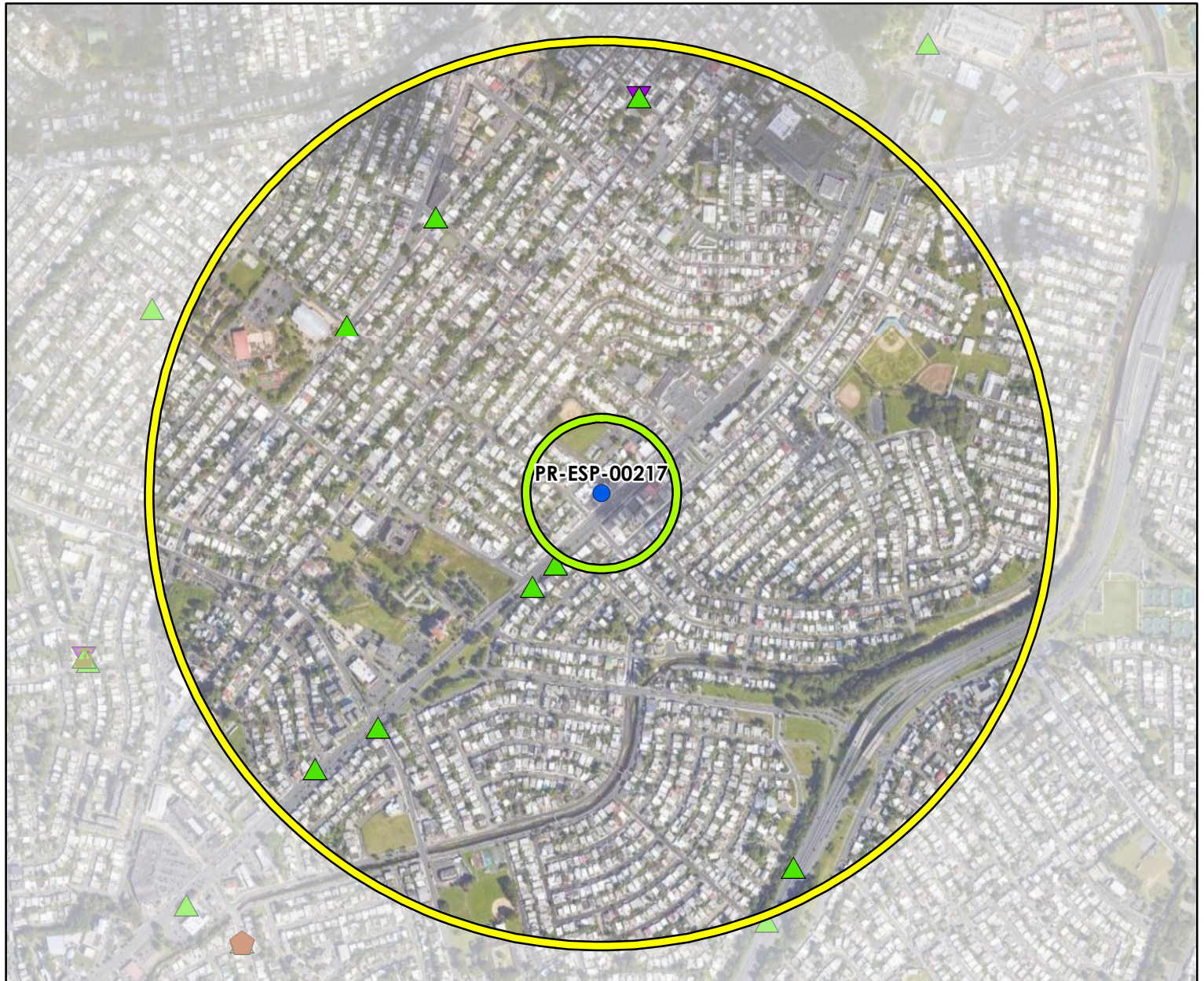
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 7

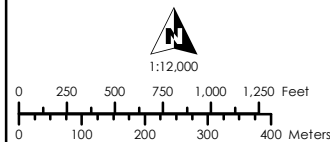
Toxic and Hazardous Facilities Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- | | | | |
|--|---------------------|--|-----------------|
| | PR-ESP-00217 | | NPDES - Major |
| | Buffer (500 Fts.) | | RADINFO |
| | Buffer (3,000 Fts.) | | RCRA |
| | AIR | | RCRA - Active |
| | NPDES | | RCRA - Inactive |
| | | | TRI |



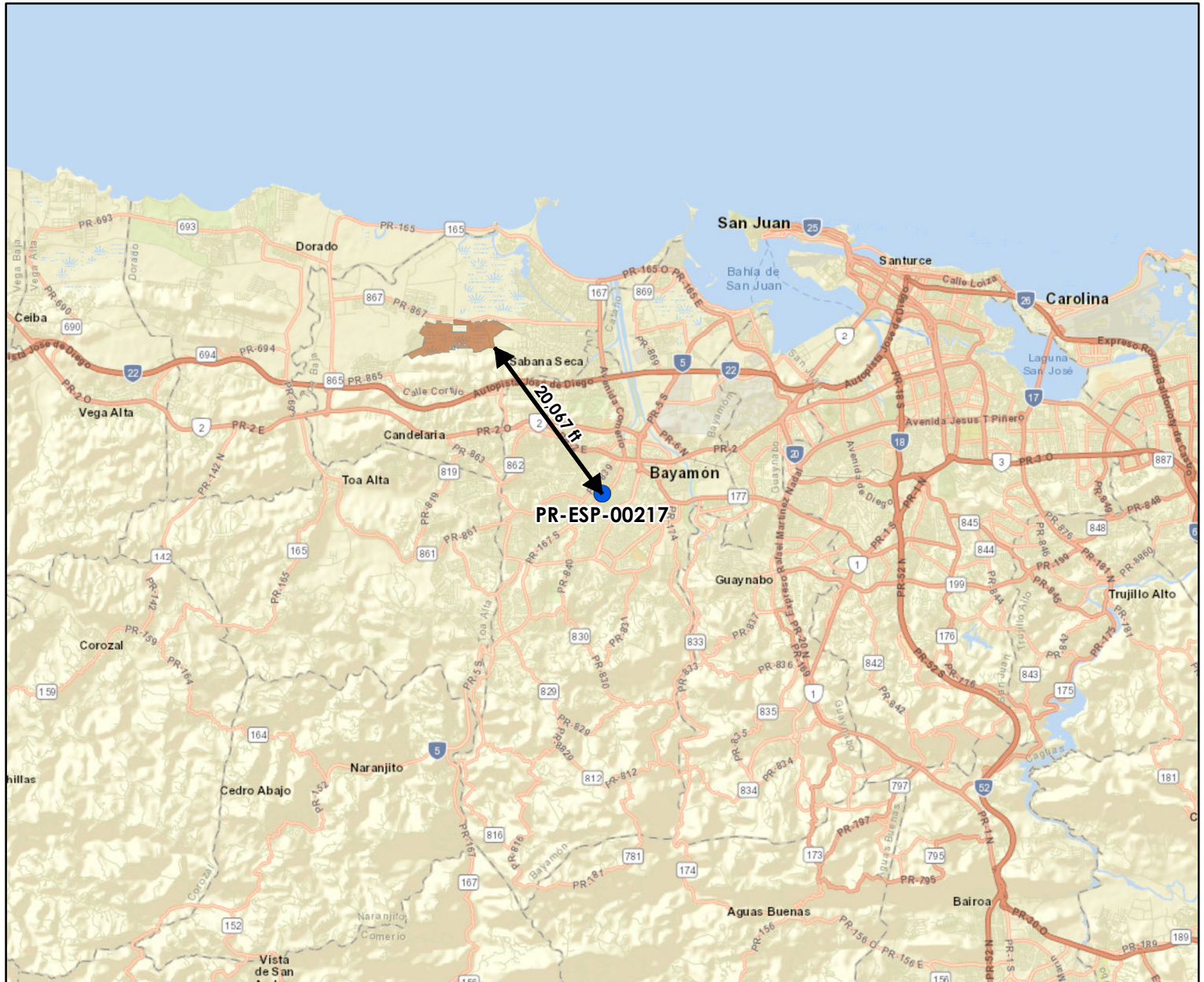
Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
EPA Facility Registry Service (FRS)
<https://www.epa.gov/frs>

Figure 8

Threatened and Endangered Species Map

Electrical Power Reliability and Resilience Program (ER2)

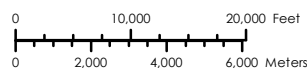


Legend:

- PR-ESP-00217
- Critical Habitat



1:200,000



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

NOAA Office of Response and Restoration
<https://response.restoration.noaa.gov/>

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Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

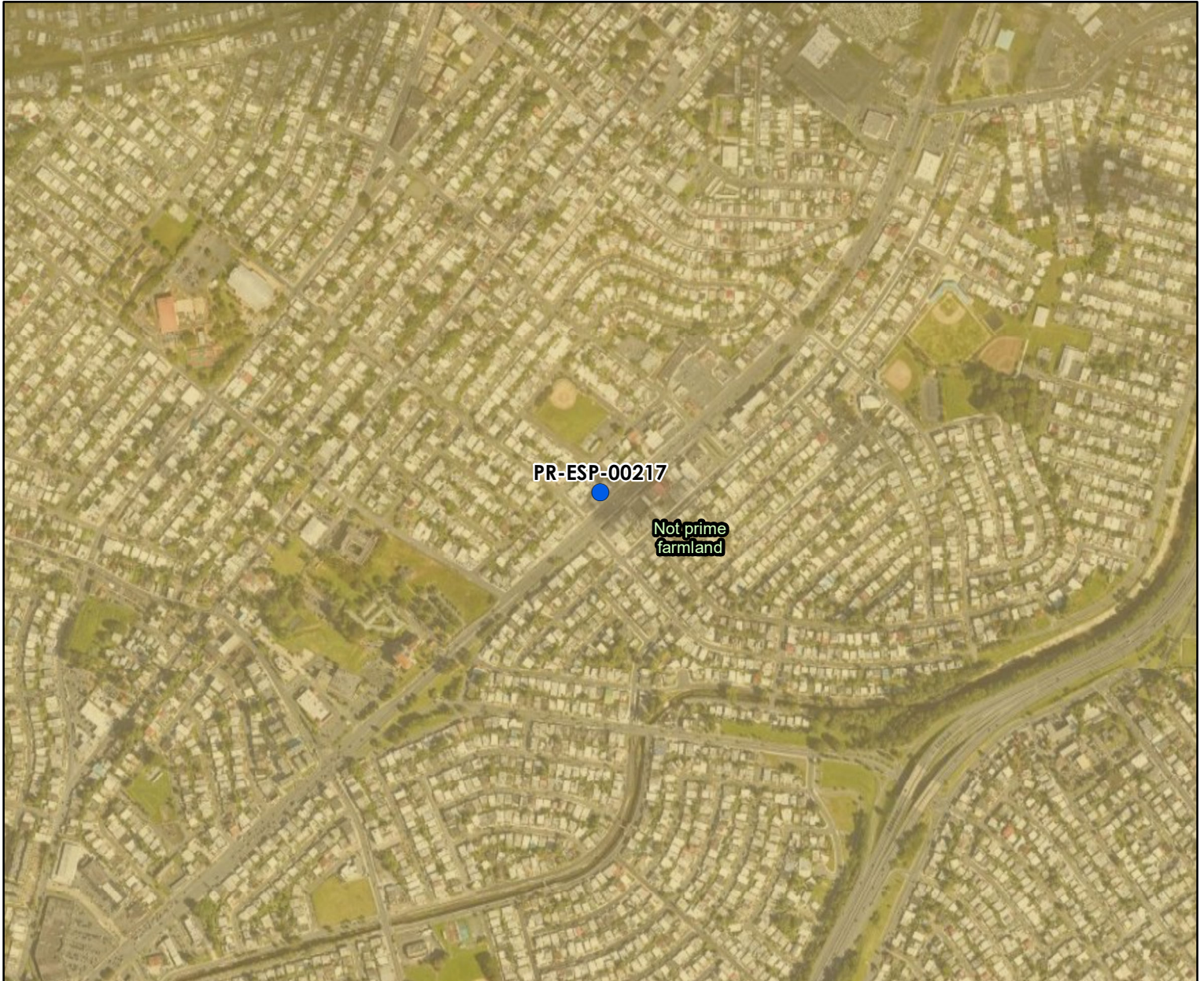
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 9

Farmland Protection

Electrical Power Reliability and Resilience Program (ER2)

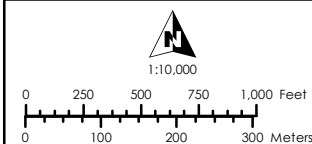


Legend:

● PR-ESP-00217

Farm Class

■ Not prime farmland



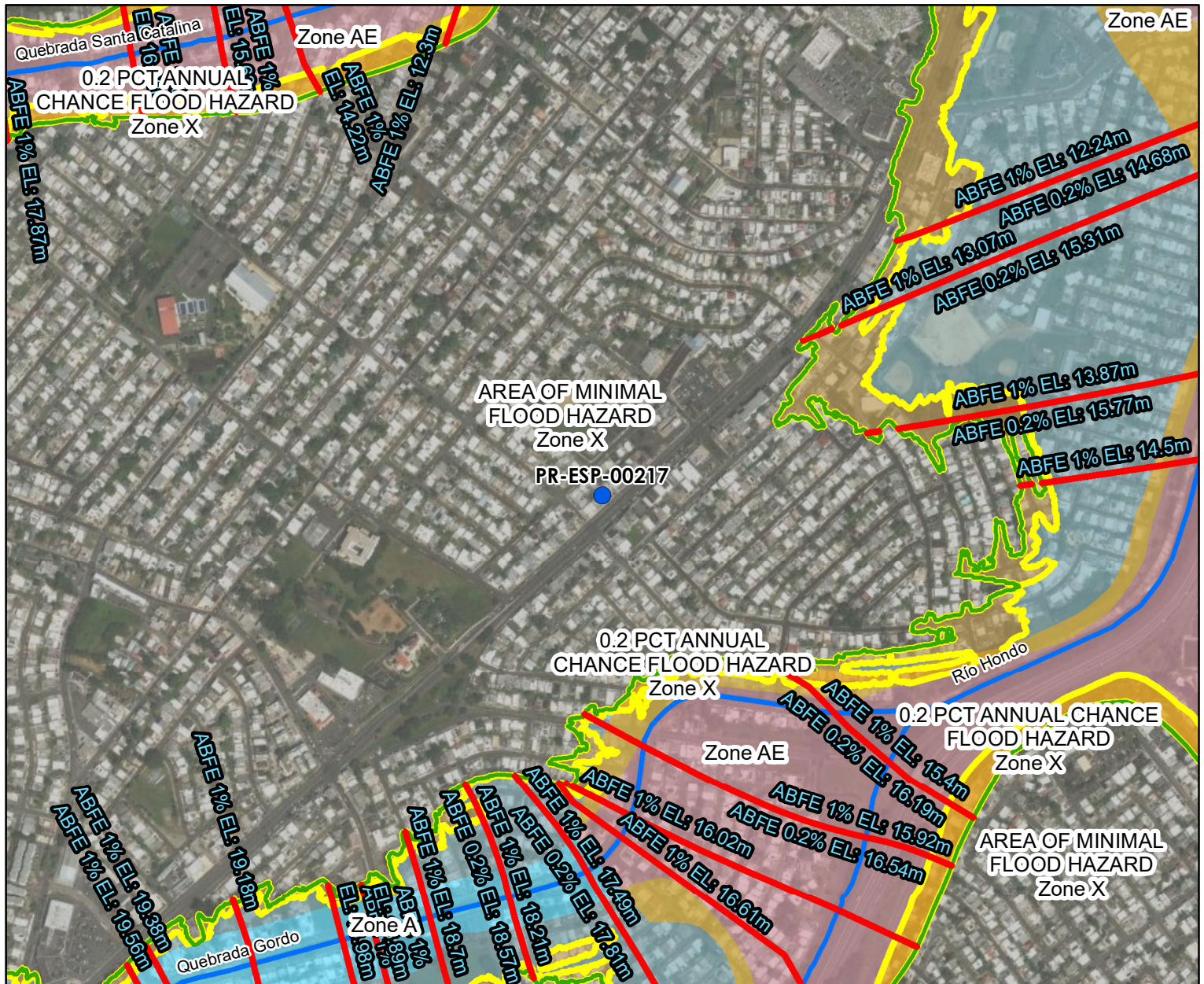
Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Underground Storage Tanks (USTs)
<https://www.epa.gov/ust>

Figure 10

Advisory Base Flood Elevation Map

Electrical Power Reliability and Resilience Program (ER2)

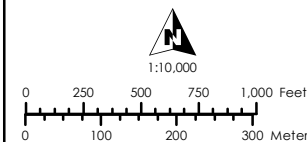


Legend:

- PR-ESP-00217
- Area Potential Effect (Building Footprint)
- CRIM-Parcel
- Advisory Base Flood Elevations (ABFE)
- 0.2 % Annual Chance Flood
- 1 % Annual Chance Flood

Flood Zone

- Zone A
- Zone AE
- Zone AO
- Zone VE
- Zone X - Area of Minimal Flood Hazard
- 0.2 % Annual Chance Flood
- 1 % Annual Chance Flood
- Floodway



Service Layer Credits:

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

Federal Emergency Management Agency (FEMA),
<https://gis-r2-fema.hub.arcgis.com/>
Junta de Planificación de Puerto Rico (JP), <https://maps.jp.pr.gov/>
Mapas de Niveles de Inundación Base Recomendados

Luis Pizza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

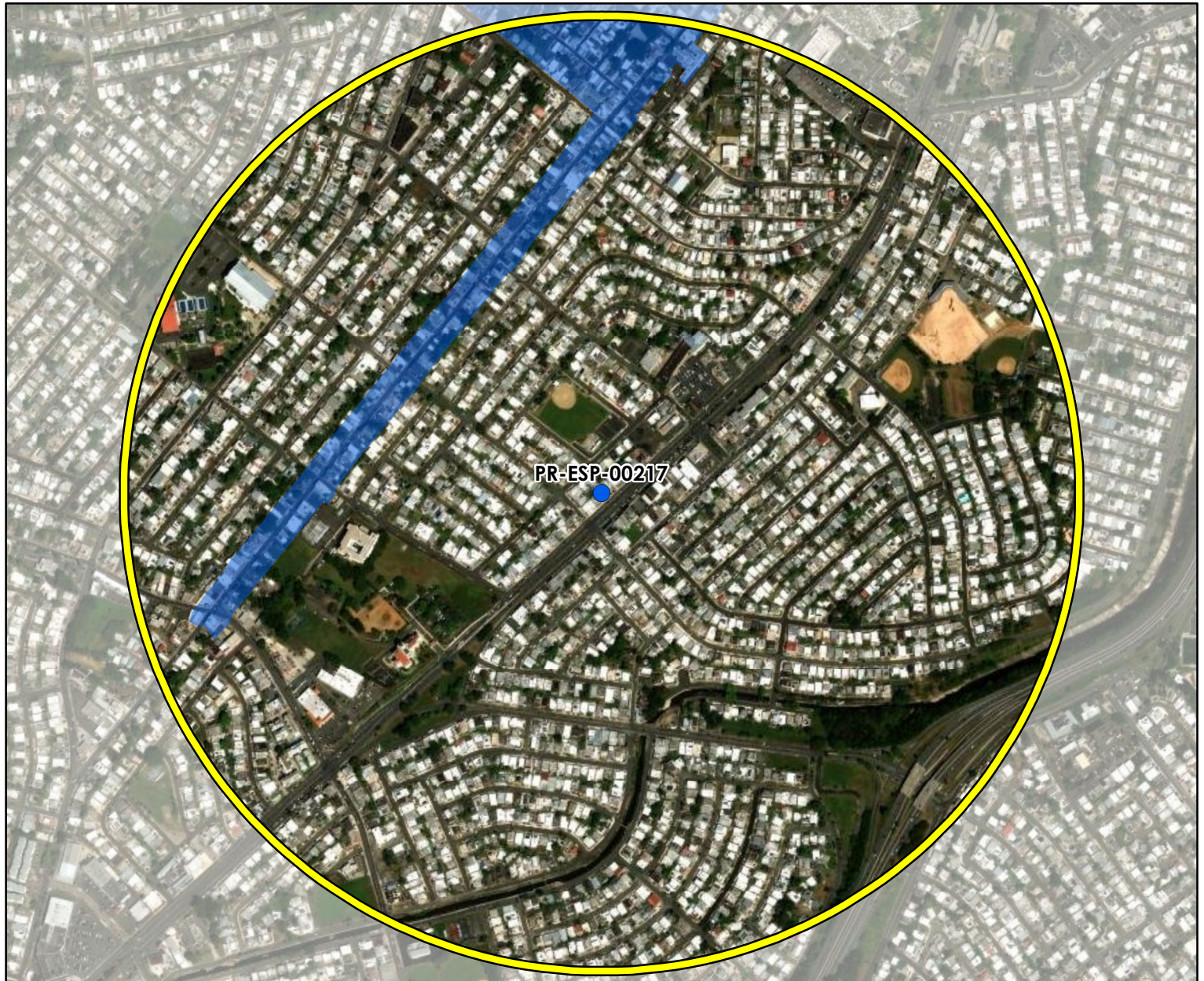
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 11

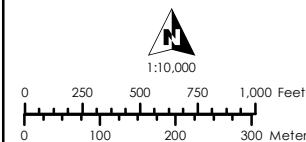
Historic Preservation Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- | | |
|--|--|
| ● PR-ESP-00217 | Historic Centers |
| Buffer (0.5 Mile) | Cultural Resource District |
| Cultural Resource Building | Sensitive Archaeological Zones |
| Cultural Resource Structure | Archaeological Resource Zones |
| Cultural Resource Object | Historic Communities |
| Cultural Resource Site | Traditional Urban Center |



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
National Park Service (NPS) - National Register of Historic Places (NRHP)
<https://www.nps.gov/subjects/nationalregister/index.htm>
State Historic Preservation Office (SHPO)
<https://oech.pr.gov/Pages/default.aspx>

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Urb. Forest Hills Bay,

Bayamón, PR 009606

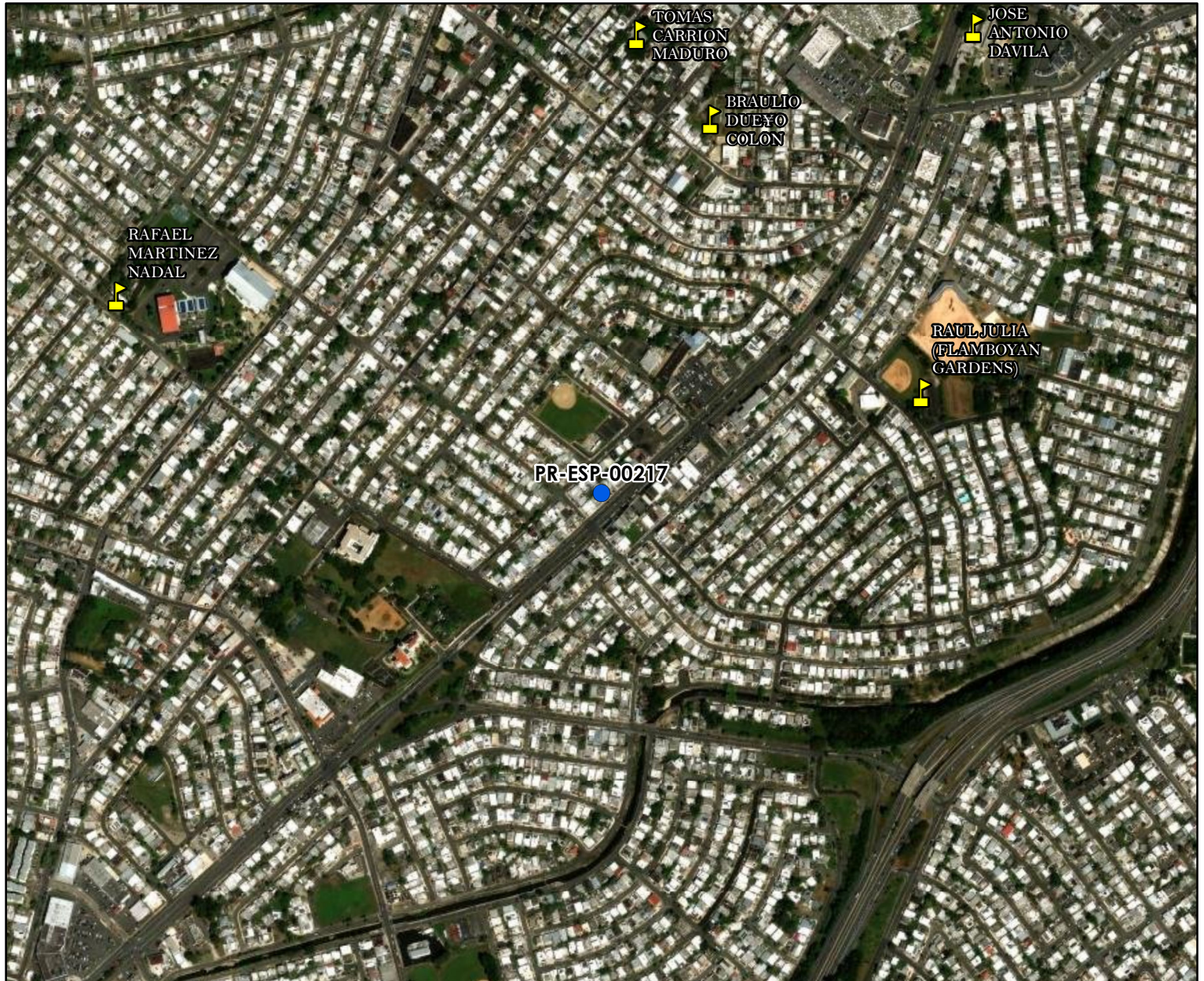
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115






Figure 12

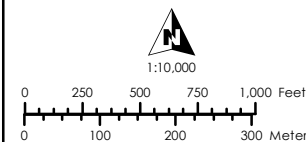
Noise Abatement and Control Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

-  PR-ESP-00217
-  University
-  School
-  Hospital
-  Emergency Hospital



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
U.S. Geological Survey (USGS)
<https://pubs.er.usgs.gov/publication/ofr20201022>

Luis Piza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 13

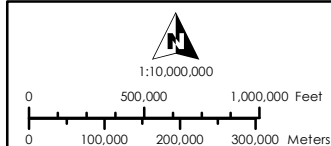
EPA Sole Source Aquifers

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- PR-ESP-00217
- EPA Sole Source Aquifers



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

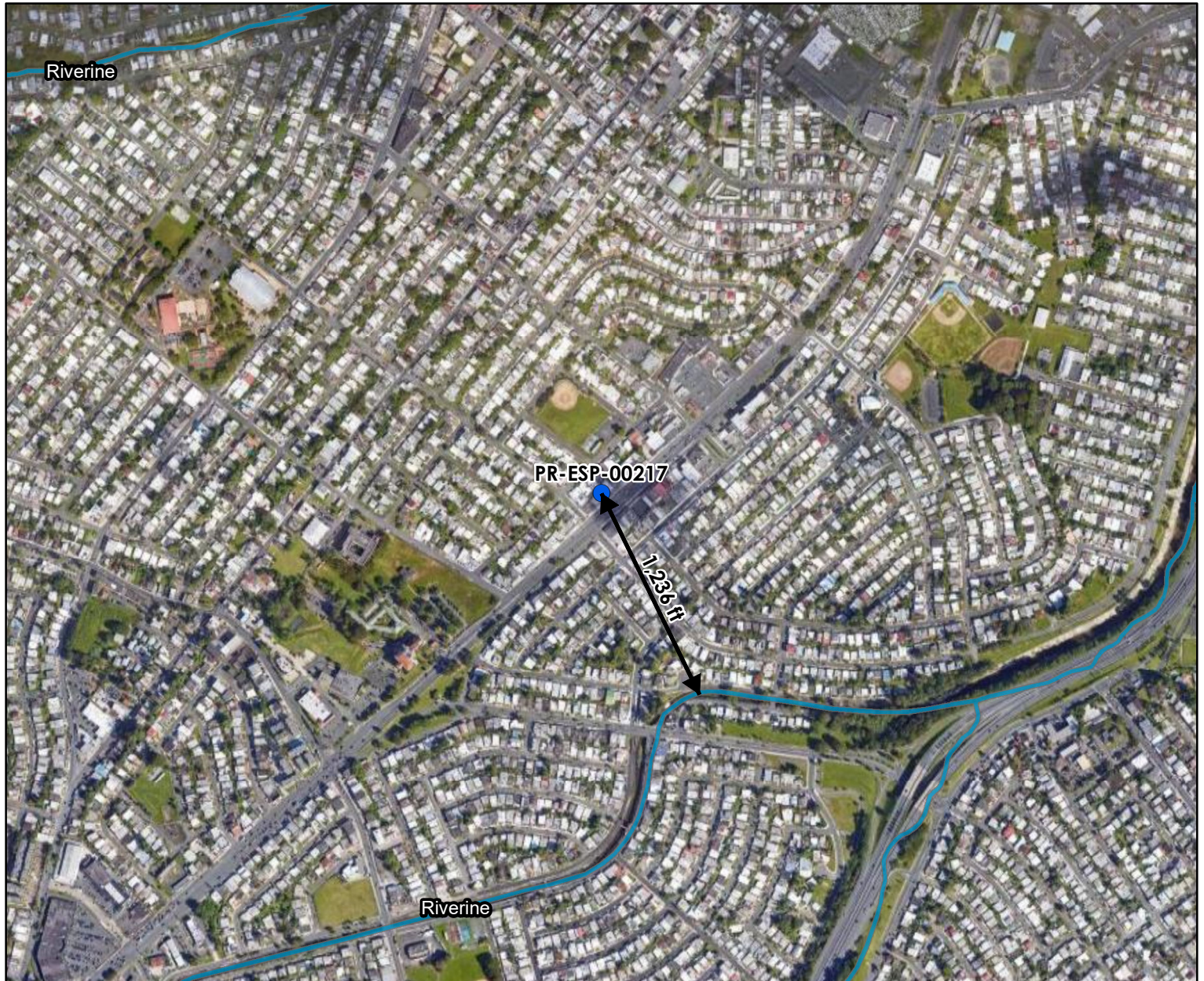
Source:
U.S. Environmental Protection Agency
<https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b>

Luis Pizza Palace
Marginal A-3
Urb. Forest Hills Bay,
Bayamón, PR 009606
Catastro: 085-054-239-25-000
Lat: 18.385542, Lon: -66.165115

Figure 14

Wetlands Map

Electrical Power Reliability and Resilience Program (ER2)

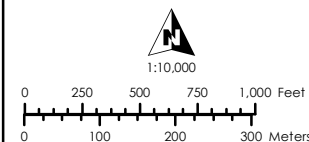


Legend:

● PR-ESP-00217

National Wetlands Inventory

	Estuarine and Marine Deepwater		Freshwater Pond
	Estuarine and Marine Wetland		Lake
	Freshwater Emergent Wetland		Riverine
	Freshwater Forested/Shrub Wetland		



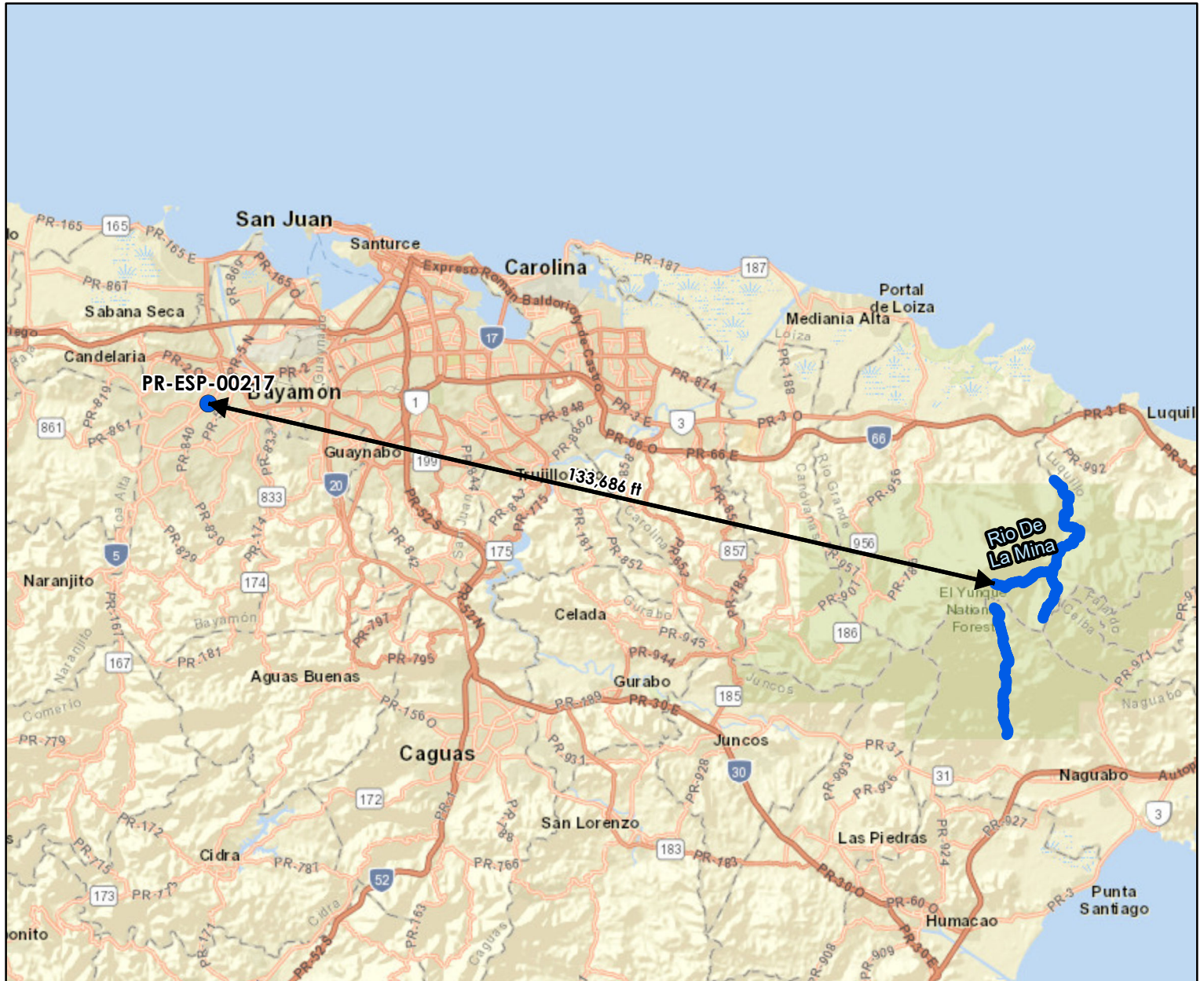
Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
U.S. Fish and Wildlife Service - National Wetlands Inventory
<https://www.fws.gov/program/national-wetlands-inventory>

Figure 15

Wild and Scenic Rivers Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

● PR-ESP-00217

— Wild and Scenic Rivers



1:300,000

0 10,000 20,000 30,000 Feet
0 2,000 4,000 6,000 8,000 Meters



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

U.S. Fish and Wildlife Service - National Wetlands Inventory
<https://www.fws.gov/program/national-wetlands-inventory>

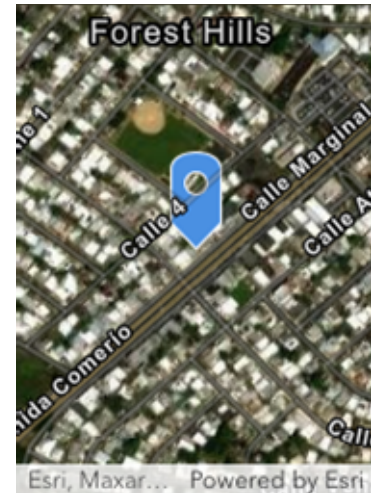
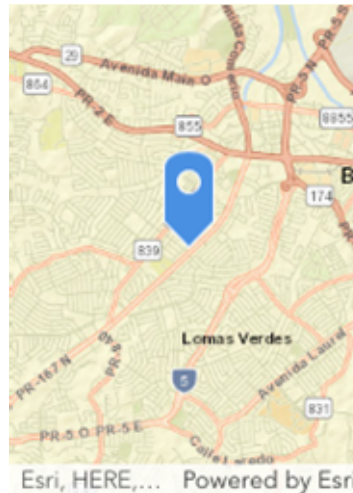
Appendix 2: Field Visit Report



Environmental Field Assessment Form - PR-ESP-00217

APPLICANT/LOCATION INFORMATION

Applicant ID:	PR-ESP-00217
Applicant Name:	Luis Pizza Palace
Parcel ID:	085-054-239-25-000
Coordinates:	18.385542, -66.165115
Street Address:	MARGINAL A-3 URB FOREST HILLS BAY
Municipio:	Bayamon
Zip Code:	00960
Site Inspector:	Egon Gonzalez
Date of Visit:	March 14, 2025
Time of Visit:	13:27
Year Built:	circa 1955



Building Information

Question	Answer	Notes
1. Location verified:	Yes	18.385542, -66.165115
2. Is the building correct on GIS?	Yes	Building is correct on GIS
3. Building Type:	Commercial/ Residential	
4. # of Stories:	2	
5. Building Foundation:	Concrete Slab	
6. Is the building in use?	Yes	Building is in use
7. Does the building have a detached garage / carport present?	No	
8. Is the electricity connected?	Yes	Electricity is connected
9. Is the water connected?	Yes	Water is connected
10. Are there signs of poor housekeeping on site? (mounds of rubble, garbage, storm debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, electrical equipment etc.)	No	
11. Is a septic system present? If Yes report apparent condition.	No	
12. Are there any obvious signs of animals, birds nesting or burrows near the site?	No	



Parcel Conditions		
Question	Answer	Notes
1) Are there any 55-gallon drums visible on site? If yes, are they leaking?	Yes	(1) 55gal Drum used to store used cooking oil and (1) 55gal Drum is empty. Both are located at back of structure, (2) 55gal Drums with diesel located on left side of structure
2) Are there any (or signs of any) underground storage tanks on the property?	No	
3) Are there signs of AST on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	Yes	200gal Diesel tank for generator located on left side of structure, (3) 300lbs Propane tanks located at back of structure, 1000gal water cistern located on roof of structure, 200gal water cistern located at back of structure.
4) Is there any stained soil or pavement on the parcel?	No	
5) Are there any potentially hazardous trees that could fall?	No	
6) Are there any groundwater monitoring wells on the site or adjacent parcel?	No	
7) Is there distressed vegetation on the parcel?	No	
8) Are any additional environmental or non-environmental site hazards observed?	No	
9) Is there any permanent standing water, such as a pond or stream, located on the site(do not include ponding from recent rain / weather events)?	No	
10) Does the subject property have water frontage?	No	
11) Is the applicant aware of any significant historical event or persons associated with the structure, or of it being located in a historic district/ area?	No	
12) Is a historic marker present?	No	
13) Based on the above finding, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	



Building Environmental Conditions		
Question	Answer	Notes
1. Is there any visible evidence of asbestos, chipping, and flaking or peeling paint, or hazardous materials present in or on the structure?	No	
2. Is there any visible indication of mold?	No	
3. Are there any pungent, foul or noxious odors?	No	

Additional Needs Analysis		
Question	Answer	Notes
Based on the above findings, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	

☒ I verify that I have physically visited this property and that the findings outlined above are accurate.

Inspector Signature

Egon Gonzalez

March 14, 2025



Front of Structure

Photo Direction: Northwest

Comments:



Facing Away from Front

Photo Direction: Southeast

Comments:



Side #1 of Structure

Photo Direction: North

Comments:



Facing Away From Side #1

Photo Direction: West

Comments:



Back of Structure

Photo Direction: South

Comments:



Facing Away from Back

Photo Direction: North

Comments:



Side #2 of Structure

Photo Direction: Northwest

Comments:



Facing Away from Side #2

Photo Direction: North

Comments:



Streetscape #1

Photo Direction: Northeast

Comments:



Streetscape #2

Photo Direction: Southwest

Comments:



Address

Photo Direction: Northwest

Comments:



Architectural Details 1

Photo Direction:

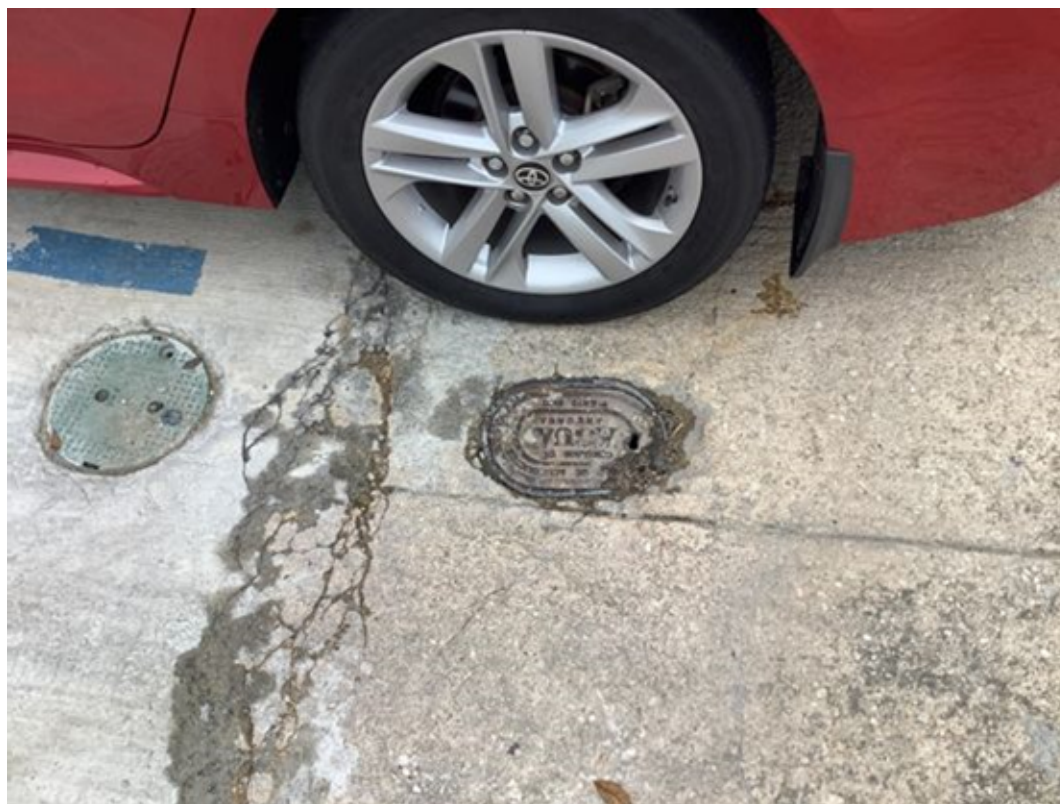
Photo Description: Electricity is connected



Architectural Details 2

Photo Direction:

Photo Description: Water is connected



Architectural Details 3

Photo Direction:

Photo Description: (3) 300lbs Propane tank located at back of structure



Architectural Details 4

Photo Direction:

Photo Description: General interior view



Architectural Details 5

Photo Direction:

Photo Description: General interior view



Architectural Details 6

Photo Direction:

Photo Description: 200gal Diesel tank located under generator at left side of structure



Architectural Details 7

Photo Direction:

Photo Description: 55gal drum to store used cooking oil located at back of storage



Architectural Details 8

Photo Direction:

Photo Description: 55gal Drum is empty and located at back of structure



Architectural Details 9

Photo Direction:

Photo Description: 200gal Water cistern is empty and located at back of structure



Architectural Details 10

Photo Direction:

Photo Description: 1000gal Water cistern located on roof of structure





Architectural Details 11

Photo Direction:

Photo Description: Roof of structure view



Architectural Details 12

Photo Direction:

Photo Description: Hazard: Electrical lines and communications cables are very close to roof of structure.



Architectural Details 13

Photo Direction:

Photo Description: Hazard: Electrical lines and communications cables are very close to roof of structure.



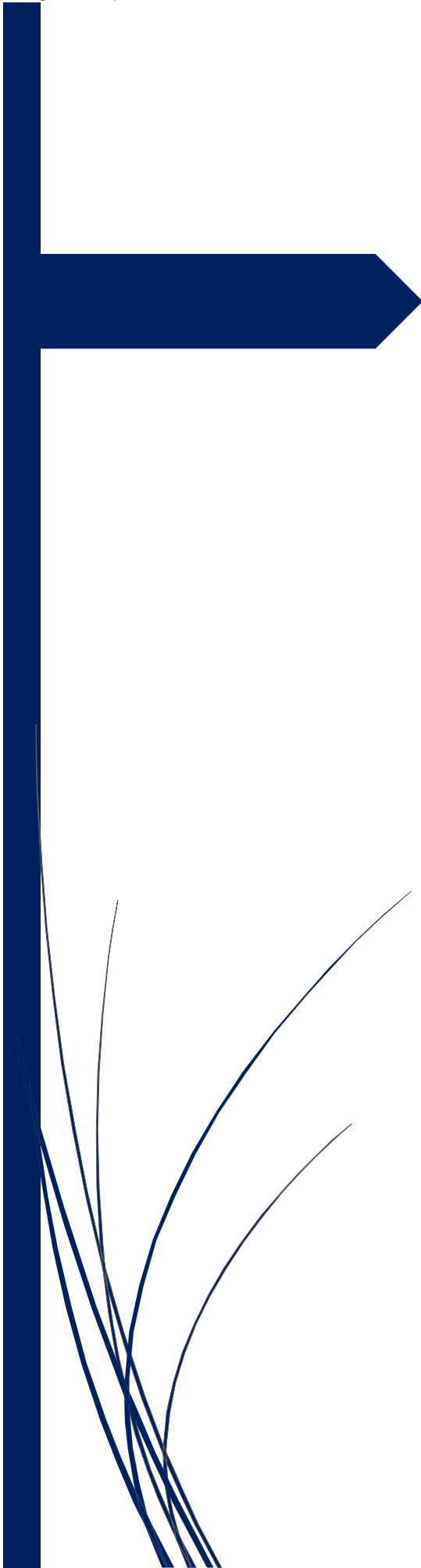
Architectural Details 14

Photo Direction:

Photo Description: (2) 55gal Drums with diesel located on left side of structure



Appendix 3: Quote



Propuesta para Instalación de Sistema de Energía Solar APOYO ENERGETICO 2.0



CARIBBEAN SOLAR ENERGY, LLC

CÁLCULO DE CONSUMO ANUAL Y SISTEMA PROPUESTO

Inicial

Iniciales

Nombre de cliente		RLR FOOD SERVICE, INC RIGOBERTO LOPEZ RAMOS, LUIS PIZZA PALACE									
Dirección del servicio		C MARG A 3 FOREST HILLS BAYAMON PR 00961									
ID Contrato		RFS314									
Fecha		31/08/2024									
Ultimos 12 meses de consumo											
7256	4227	5168	6771	6823	5877	5310	4961	4419	4556	5654	6350
	Placa (W)	480									
	Pueblo	Bayamón									
Consumo anual (kWh)											67.372
Costo por kWh en LUMA											0,26
Tamaño de sistema según consumo (kWDC)											46,3
(1) Sistema propuesto (kWDC)											32,6
(2) Almacenamiento propuesto (kWh)											27
(3) Cubierta de consumo estimada											71%
(4) Costo de placas solares											\$24.480
(5) Costo de bateria(s)											\$26.500
(6) Instalacion, Ingenieria, Permisos y BOS											\$29.498
(7) Costo Total											\$80.478
(8) Incentivo potencial											-\$48.287
(9) Balance aportado por cliente											\$32.191
(10) Retorno de inversion estimado (en años)											2,6
(11) Ahorro anual estimado en factura de LUMA											\$12.361

TIPO DE SISTEMA

Sistema fotovoltaico nuevo con sistema de almacenamiento de batería(s).

EQUIPOS

Equipo	Marca	Modelo	Cantidad
Placas	Qcells	480 W	68
Batería	Tesla	Powerwall 2	2
Inversor	Tesla	7.6 kW/AC Powerwall+	2
Inversor	Enphase	IQ8 Series	28
Transformador	Hammond	SG3L0050BE	0

INTRODUCCIÓN

Le damos las gracias por la oportunidad que nos ha dado para presentar nuestra propuesta para el trabajo de referencia. Caribbean Solar Energy, LLC se complace en presentar esta propuesta para la instalación de un Sistema Fotovoltaico para generación de energía. Agradecemos sus esfuerzos para ayudarnos a definir y entender las necesidades de su proyecto en su casa o negocio. Caribbean Solar Energy LLC se compromete a proporcionar los recursos necesarios para ejecutar con éxito este proyecto conforme a su petición y de acuerdo con las especificaciones y acuerdos aquí presentados.

SEGUROS

Caribbean Solar Energy reconoce el riesgo inherente y las exposiciones en la prestación de servicios a los clientes y utiliza un programa de seguro integral para protegerse contra cualquier acto negligente por el que pueda volverse legalmente responsable. Nuestro programa incluye \$1,000,000 en cobertura general y \$1,000,000 en exceso de cobertura. Adicional a esto contamos con una fianza para realizar proyectos de energía renovable, según establece la Ley 146 del Estado Libre Asociado de Puerto Rico.

Fuerza de trabajo

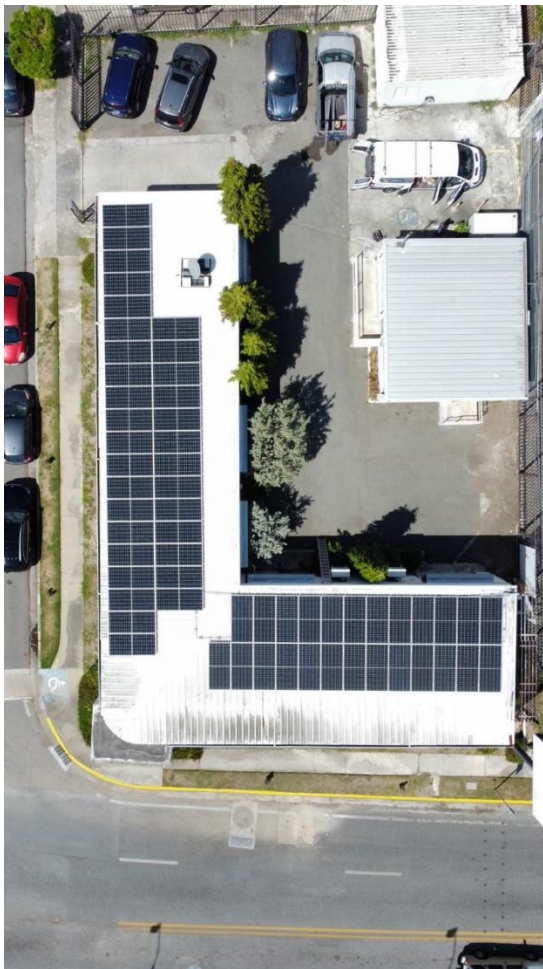
La fuerza de trabajo de Caribbean Solar Energy está formada por profesionales de la industria con experiencia en miles de instalaciones. Nuestra fuerza de trabajo está compuesta por ingenieros con licencia, electricistas certificados, personal administrativo, personal de ventas e instaladores altamente experimentados.

Certificaciones

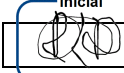
Caribbean Solar Energy cuenta con las prestigiosas certificaciones de Tesla, Inc como "Tesla Certified Installer", Enphase Energy como "Enphase Certified Installer", UNIRAC, Gobierno Federal de Estados Unidos (SAM), Agencia de Protección Ambiental (EPA), entre otros. Adicional, nuestro personal de diseño cuenta con certificación del Colegio de Ingenieros y Agrimensores de Puerto Rico y de Instalador de Sistemas Eléctricos Renovables del Programa de Política Pública del Gobierno de Puerto Rico. Todos nuestros componentes cumplen con las certificaciones requeridas por la Oficina de Gerencia y Permisos (OGPE) y la Autoridad De Energía Eléctrica de Puerto Rico.



CARTERA DE INSTALACIONES



ALCANCE DEL TRABAJO

Inicial

Iniciales

Esta propuesta incluye (según aplique):

1) Diseño e ingeniería.

2) Permisos requeridos para operación e instalación.

- a) Someter solicitud para programa de medición neta ante LUMA.
- b) Certificaciones Oficina de Gerencia y Permisos (OGPE).

3) Equipos

- a) Paneles solares.
- b) Inversores de corriente.
- c) Sistemas de almacenamiento (baterías).
- d) Accesorios necesarios para operación de sistema.
- e) Anclaje estructural de aluminio y acero inoxidable (“racking”).
- f) Materiales misceláneos: tuberías, cables, interruptores, etc.

4) Instalación

- a) Instalación y encendido.
- b) Pruebas y “System Commissioning”.
- c) Adiestramiento sobre operación y mantenimiento.

31/8/24, 9:05



Cuidado: Las predicciones de rendimiento de sistemas fotovoltaicos que calcula PVWatts[®] incluyen muchas suposiciones y se basan en datos históricos y no reflejan las variaciones entre tecnologías PV ni características específicas de los sitios, con excepción de las que representan los datos de entrada de PVWatts[®]. Por ejemplo, PVWatts[®] no diferencia los módulos PV de mejor rendimiento de los de rendimiento más bajo. Both NREL and private companies provide more sophisticated PV modeling tools (such as the System Advisor Model at [/sam.nrel.gov](http://sam.nrel.gov)) that allow for more precise and complex modeling of PV systems.

El rango representado se basa en 30 años de datos meteorológicos reales de la ubicación dada y su fiabilidad es proporcional al índice de la variación que podrá haber. Encuentra más información en este informe del NREL: The Error Report (El informe de errores).

Antes de usar el modelo PVWatts[®] (el "Modelo") es proporcionado por el Laboratorio Nacional de Energía Renovable (NREL), el cual dirige Alliance for Sustainable Energy, LLC ("Alliance") para el Departamento de Energía de EE. UU. ("DOE"), y puede utilizarse con cualquier propósito.

Los nombres DOE/NREL/Alliance no deben usarse en ninguna declaración, promoción, publicidad o de otra manera que dé a entender que patrocinan o promueven a entidad alguna que adopte o utilice el Modelo. DOE/NREL/Alliance no brindará ningún tipo de apoyo, asesoramiento, capacitación o asistencia respecto del uso del Modelo o cualquier de sus actualizaciones, revisiones o nuevas versiones.

USDO ACCEPTS RESPONSIBILITY A DOE/NREL/ALLIANCE Y SUS ORGANISMOS RELACIONADOS, FUNCIONARIOS, AGENTES Y EMPLEADOS ANTES TODO RECLAMO O DEMANDA, INCLUIDOS RECLAMOS NACIONALES DE ARBITRAJE, RELACIONADOS CON SU USO, ADOPCIÓN O DEPENDENCIA DEL MODELO PARA CUALQUIER PROPÓSITO. DOE/NREL/ALLIANCE PROPORCIONAN EL MODELO "EN SU FORMA ACTUAL", Y POR LA PRESENTE SE RENUNCIA TODA GARANTÍA EXPRESA O IMPLÍCITA, INCLUIDAS, ENTRE OTRAS, LAS GARANTÍAS IMPLÍCITAS DE COMERCIABILIDAD E idoneidad PARA UN PROPÓSITO EN PARTICULAR. DOE/NREL/ALLIANCE NO SERÁN RESPONSABLES EN NINGÚN CASO DE NINGÚN DAÑO ESPECIAL, INDIRECTO, CONSECUENCIAL O DE CUALQUIER OTRO TIPO, INCLUIDOS, SIN CARÁCTER EXHAUSTIVO, RECLAMOS ASOCIADOS CON LA PÉRDIDA DE DATOS O EL USO DE DATOS, QUE PUEDAN RESULTAR DE CUALQUIER ACCIÓN CONTRACTUAL, NEGOCIAL O OTRO RECLAMO EXTRACONTRACTUAL QUE SURGA DEL USO O DESEMPEÑO DEL MODELO, O EN RELACIÓN CON DICHO USO O DESEMPEÑO.

El rango de producción eléctrica se basa en el análisis de 30 años de datos meteorológicos históricos de un sitio cercano, y su fiabilidad es proporcional al índice de la posible variación interanual en la generación de un sistema PV (de localización idéntica) tipo situado en esa ubicación.

Calculadora PVWatts

RESULTADOS

47,034 kWh/año*

Mes	Radiación solar (kWh / m ² / día)	Energía de corriente alterna (kWh)
Enero	4.54	3,487
Febrero	5.28	3,647
Marzo	5.64	4,305
Abril	5.91	4,273
Mayo	5.52	4,144
Jun	5.92	4,318
Jul	5.87	4,435
Agosto	5.45	4,106
Septiembre	5.50	3,968
Octubre	4.81	3,631
Noviembre	4.58	3,391
Diciembre	4.33	3,328
Annual	5.28	47,033

Ubicación e identificación de la estación

Ubicación solicitada	18.385569917682478, -86.16514223097849		
Fuente de datos meteorológicos	Lat., long.:	18.37, -86.16	1.5 mi
Latitud	18.37° N		
Longitud	86.16° W		

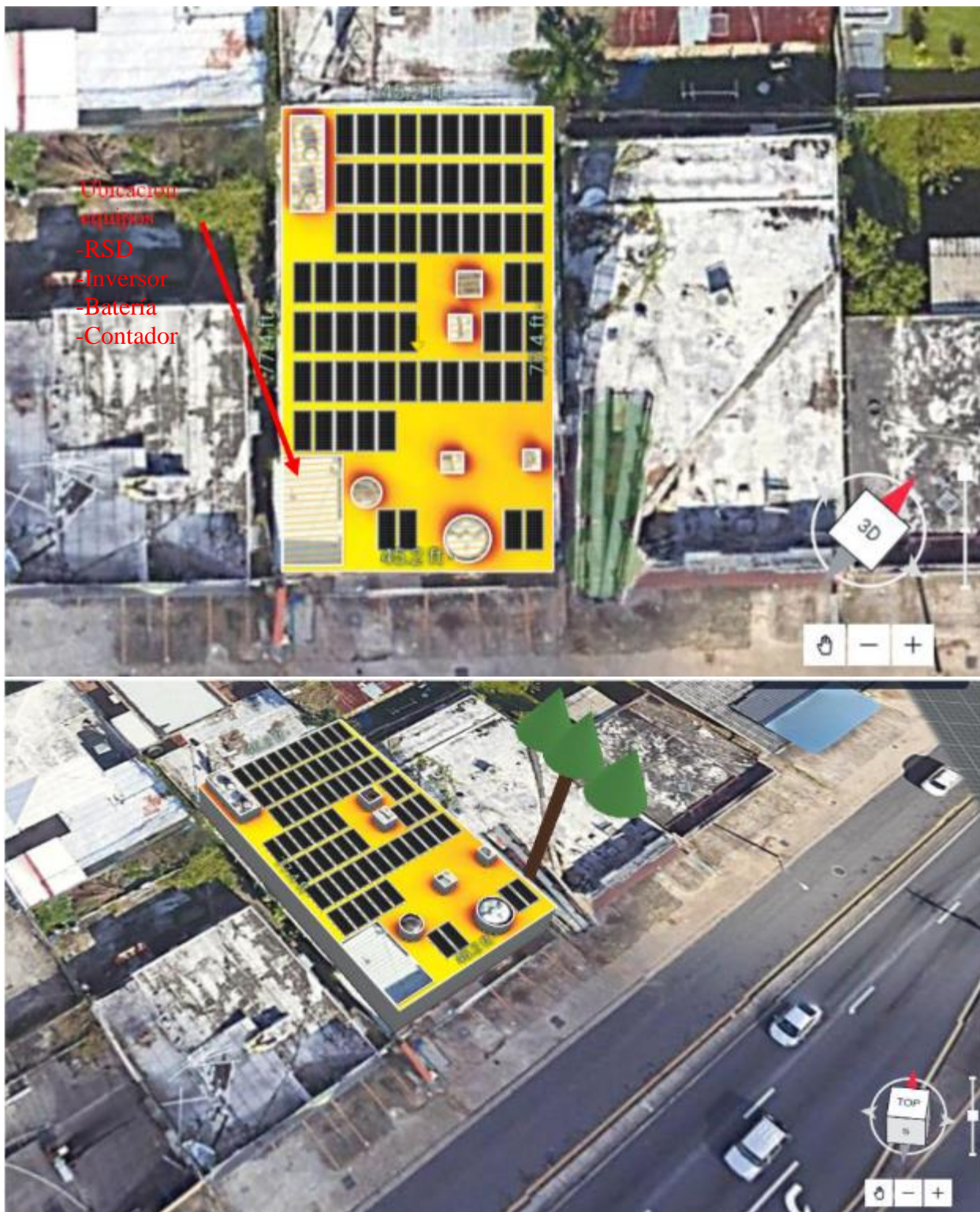
Especificaciones del sistema FV

Tamaño del sistema en CC	32.6 kW
Tipo de módulo	Estándar
Tipo de campo	Fijo (montaje en techo)
Pérdidas del sistema	14.08%
Inclinación del campo	5°
Acimut del campo	180°
Relación de tamaño de CC a CA	1.2
Eficiencia del inversor	96%
Tasa de cobertura del terreno	0.4
Albedo	From weather file
Bifacial	No (0)
Pérdida de irradiación mensual	Ene Feb Marzo Abr Mayo Jun
	0% 0% 0% 0% 0% 0%
Pérdida de irradiación mensual	Jul Ago Sept Oct Nov Dic
	0% 0% 0% 0% 0% 0%

<https://pvwatts.nrel.gov/pvwatts.php>

1/2





ACUERDO DE INSTALACIÓN

TÉRMINOS, CONDICIONES Y DEFINICIONES

1. **DEFINICIONES.** “INSTALACIÓN” PARA USO EN ESTE DOCUMENTO SE REFIERE A MANO DE OBRA Y SITUAR LOS EQUIPOS PROPUESTOS EN EL SITIO. “PROPUESTA” O “CONTRATO” SE REFIERE A ESTE DOCUMENTO. “SITIO” SE REFIERE A LA PROPIEDAD DONDE SE INSTALARÁ EL SISTEMA PROPUESTO. “PROGRAMA” SE REFIERE A PROGRAMA DE APOYO ENERGÉTICO 2.0. “ACTIVIDADES DE INSTALACIÓN” SE REFIERE A DISEÑO, ADQUISICIÓN DE MATERIALES O INSTALACIÓN. “DDEC” SE REFIERE A DEPARTAMENTO DE DESARROLLO ECONÓMICO Y COMERCIO DE PUERTO RICO. “CSE” SE REFIERE A CARIBBEAN SOLAR ENERGY, LLC.
2. **DIVULGACIÓN.** ESTA PROPUESTA CONTIENE INFORMACIÓN CONFIDENCIAL, PROPIETARIA Y/O SENSIBLE A LA COMPETENCIA DE CSE POR LO TANTO; TODA LA INFORMACIÓN PROPORCIONADA EN ESTA PROPUESTA SE CONSIDERARÁ CONFIDENCIAL Y NO SE DIVULGARÁ A TERCEROS SIN EL CONSENTIMIENTO ESCRITO DE CSE.
3. **GARANTÍAS.** CSE CORREGIRÁ CUALQUIER DEFECTO DE INSTALACIÓN, SIN COSTO ALGUNO, DURANTE LOS PRIMEROS 10 AÑOS DESDE ENCENDIDO EL SISTEMA. NUESTROS MANUFACTUREROS OFRECEN LAS SIGUIENTES GARANTÍAS, EN DESEMPEÑO; PANELES SOLARES 25 AÑOS; MICRO-INVERSORES ENPHASE 25 AÑOS; SOPORTE UNIRAC O SWH 25 AÑOS; BATERÍA TESLA O ENPHASE 10 AÑOS. MANIPULACIÓN AL EQUIPO POR PERSONAL NO-AUTORIZADO INVALIDARÍA GARANTÍAS. EL CLIENTE, CON LA FIRMA DE ESTE DOCUMENTO, CERTIFICA HABER LEÍDO EL(LOS) MANUAL(ES) DE TÉRMINOS Y CONDICIONES DE GARANTÍA DEL MANUFACTURERO.
4. **TÉRMINOS DE PAGO.** (1) CSE RECIBIRÁ 50% DE LA APORTACIÓN TOTAL CORRESPONDIENTE AL CLIENTE CON LA FIRMA DEL ACUERDO DE RESERVA DEL INCENTIVO. (2) CSE RECIBIRÁ EL RESTANTE 50% DE LA APORTACIÓN TOTAL CORRESPONDIENTE AL CLIENTE UNA VEZ CULMINADA LA INSTALACIÓN. LOS PAGOS SERÁN EMITIDOS EN UN PERÍODO NO MAYOR DE 7 DÍAS LABORABLES Y NO PODRÁN SER RETENIDOS BAJO NINGÚN CONCEPTO. DEFICIENCIAS EN LA RED ELÉCTRICA QUE LIMITEN LA INTERACCIÓN DEL SISTEMA SOLAR CON DICHA RED NO SERÁ CAUSA PARA EXTENDER ESTE PERÍODO. CSE SE RESERVA EL DERECHO DE APAGAR EL SISTEMA FOTOVOLTAICO, SIN EMITIR AVISO, SI SE EXCEDE ESTE PERÍODO DE 7 DÍAS. EN CASO DE QUE CUALQUIER PAGO NO SEA EMITIDO DENTRO DE LOS TÉRMINOS ESTABLECIDOS EN ESTE CONTRATO, Y SIN MENOSCABO O MODIFICACIÓN DE OTRAS SECCIONES DE ESTE CONTRATO, EL CLIENTE ACUERDA Y SE OBLIGA A PAGAR A CSE UN CARGO POR DEMORA ADICIONAL DE DIEZ POR CIENTO (10%) DEL BALANCE ADEUDADO, MENSUALMENTE, HASTA QUE LOS PAGOS SEAN RECIBIDOS EN SU TOTALIDAD.
5. **EQUIPOS.** EN CASO DE “BACK-ORDER” EN INVENTARIO SE PROVEERÁ EQUIVALENTE DE IGUAL O MAYOR CAPACIDAD.
6. **TIEMPO DE INSTALACIÓN.** SE ESTIMA LA INSTALACIÓN SE REALIZARÁ DENTRO DEL TÉRMINO QUE PROVEE EL PROGRAMA. ESTE PERÍODO PUEDE VERSE AFECTADO POR EVENTOS DE LLUVIA EXTENSOS, ESCASEZ DE MATERIAL Y EVENTOS DE FUERZA MAYOR (ATMOSFÉRICOS, PANDEMIAS, TERREMOTOS, ENTRE OTROS EVENTOS IMPREDECIBLES). EL CLIENTE RELEVA A CSE DE EXCEDERSE EL TÉRMINO DEL PROGRAMA A CAUSA DE UNO DE ESTOS EVENTOS.
7. **PRODUCCIÓN SOLAR ANUAL ESTIMADA.** SU PRODUCCIÓN SOLAR PUEDE VARIAR DEPENDIENDO DEL CLIMA Y EL ACORTAMIENTO (EN CASO DE APAGONES). CSE UTILIZA LA BASE DE DATOS DEL “NATIONAL RENEWABLE ENERGY LABORATORY” PARA LA RECOMENDACIÓN DE TAMAÑO DE SISTEMA POR LO QUE CSE NO SE HACE RESPONSABLE DE LAS VARIACIONES QUE PUDIERAN SURGIR.
8. **CANCELACIONES.** EN CUALQUIERA DE LOS ESCENARIOS DE CANCELACIÓN POSTERIOR AL COMIENZO DE LAS ACTIVIDADES DE INSTALACIÓN, SE COBRARÁ UNA TARIFA PROPORCIONAL AL GASTO INCURRIDO HASTA EL MOMENTO DE LA CANCELACIÓN EL CUAL NO SERÁ MENOR DE UN 5% DEL COSTO TOTAL DEL PROYECTO. CSE SE RESERVA EL DERECHO DE RESCINDIR DE ESTE CONTRATO, EN CUALQUIER MOMENTO, PREVIO A LA INSTALACIÓN DEL SISTEMA. ESTO NOTIFICANDO AL CLIENTE CON 10 DÍAS DE ANTICIPACIÓN.
9. **MEDICIÓN NETA.** MEJORAS A INFRAESTRUCTURA SOLICITADAS POR LUMA NO ESTÁN CUBIERTOS EN ESTA PROPUESTA. LA APROBACIÓN DE ESTE PROGRAMA ESTÁ BAJO LA DISCRECIÓN DE LUMA.
10. **ALCANCE.** CUALQUIER TRABAJO NO IDENTIFICADO EN ESTA PROPUESTA O COMPONENTE (EJ. MEJORAS A INFRAESTRUCTURA EXISTENTE, ETC.) SE CONSIDERARÁ FUERA DEL ALCANCE Y PUEDE REQUERIR UNA ORDEN DE TRABAJO O UNA ORDEN DE COMPRA ADICIONAL. ESTA PROPUESTA INCLUYE UNA INSTALACIÓN BÁSICA DE 25 PIES AL PUNTO DE INTERCONEXIÓN Y CON TUBERÍAS EXPUESTAS, CUALQUIER PREFERENCIA ADICIONAL REQUERIRÁ UN CAMBIO DE ORDEN. EL DÍA DE INSTALACIÓN SE REPASARÁ EL PLANO DE INSTALACIÓN Y PRESENTARÁN LOS EQUIPOS EN SUS RESPECTIVAS ÁREAS PARA SU APROBACIÓN ESCRITA. UNA VEZ APROBADOS E INSTALADOS LOS EQUIPOS SI DESEA REALIZAR UN CAMBIO DE UBICACIÓN EL MISMO CONLLEVARÁ UN CAMBIO DE ORDEN.
11. **SEGUROS.** ESTA PROPUESTA NO INCLUYE CUBIERTA PARA DAÑOS POR EVENTOS DE FUERZA MAYOR (ATMOSFÉRICOS, FUEGOS, TERREMOTOS, ENTRE OTROS), ROBO, VANDALISMO Y/O VARIACIONES DE VOLTAJE DE LA RED ELÉCTRICA UNA VEZ CULMINADA LA INSTALACIÓN. EL CLIENTE ASUME RESPONSABILIDAD TOTAL DE CUALQUIER DAÑO AL SISTEMA UNA VEZ CULMINADA DICHA INSTALACIÓN EN EL SITIO.
12. **PERMISOS DE CONSTRUCCIÓN.** SEGÚN ESTABLECE EL REGLAMENTO DE OGPE, ESTAS INSTALACIONES NO REQUIEREN PERMISO DE CONSTRUCCIÓN POR SER MENORES A 1MW Y LLEVARSE A CABO SOBRE EL TECHO DE LA RESIDENCIA O COMERCIO.
13. **APAGONES.** PARA FUNCIONAR EN EL EVENTO DE UN APAGÓN, DE DÍA O NOCHE, ES NECESARIO EL SISTEMA INCLUYA ALMACENAMIENTO (BATERÍAS).
14. **MONITOREO.** REQUIERE CONECTAR EL SISTEMA A RED WI-FI CON INTERNET ESTABLE Y DE ALTA VELOCIDAD.
15. **VISITAS TÉCNICAS.** VISITAS DE SERVICIO NO-ASOCIADAS A DEFECTOS DE INSTALACIÓN TENDRÁN TARIFA MÍNIMA, COMENZANDO DESDE \$150.
16. **CÓDIGOS Y REQUERIMIENTOS.** LOS EQUIPOS SOLO PODRÁN SER INSTALADOS EN ÁREAS APROBADAS POR

- MANUFACTUREROS, CÓDIGOS DE ELECTRICIDAD Y LA AUTORIDAD DE ENERGÍA ELÉCTRICA DE PUERTO RICO ("AEE" O "LUMA", EN ADELANTE). EL CLIENTE RELEVA DE CUALQUIER RESPONSABILIDAD A CSE DE EL CLIENTE EXIGIR QUE NO SE CUMPLA CON ESTOS REQUISITOS.
17. **FACILIDADES.** SE PRESUME QUE SU INFRAESTRUCTURA ENERGÉTICA EXISTENTE CUMPLE CON LOS PARÁMETROS (VOLTAJES, FRECUENCIAS, ETC.) REQUERIDOS POR AEE-LUMA Y EL "NATIONAL ELECTRICAL CODE" PARA LA INTERACCIÓN DE SISTEMAS FOTOVOLTAICOS CON SU PROVEEDOR DE ENERGÍA ELÉCTRICA. CSE NO SE RESPONSABILIZA POR DAÑOS ESCONDIDOS, DISIMULADOS U OCULTOS QUE SE DESCUBRAN EN, DURANTE O DESPUÉS DE LA INSTALACIÓN; CORREGIRLOS REQUERIRÁ UNA ORDEN DE TRABAJO ADICIONAL.
 18. **TECHO.** SE PRESUME ESPACIO DE TECHO DISPONIBLE Y EN CONDICIONES ADECUADAS PARA INSTALAR EL SISTEMA SIN REALIZAR MEJORAS, MODIFICACIONES O ADICIONES. CSE SE RESERVA EL DERECHO DE CLASIFICAR LAS CONDICIONES DEL TECHO. NO SE INCLUYE IMPERMEABILIZACIÓN DE TECHOS, SIN EMBARGO, TODAS LAS PENETRACIONES GARANTIZAN LAS MEJORES PRÁCTICAS PARA NO AFECTAR NINGUNA GARANTÍA (SI CORRESPONDE) O INTEGRIDAD DEL TECHO. CSE NO SE HACE RESPONSABLE BAJO NINGUN CONCEPTO DE DAÑOS AL TECHO NO RELACIONADOS A LA INSTALACIÓN O A LOS TRABAJOS REALIZADOS POR CSE. UNA VEZ INSTALADO EL SISTEMA FOTOVOLTAICO Y HABIENDO SIDO ACEPTADO POR EL CLIENTE, CSE NO SERA RESPONSABLE POR NINGUN RECLAMO RELACIONADO A LA IMPERMEABILIZACIÓN Y/O DAÑOS DEL TECHO.
 19. **VALIDEZ Y CORRECCIONES.** ESTA PROPUESTA TIENE UNA VALIDEZ DE NOVENTA DÍAS (90) DÍAS A PARTIR DE LA EMISIÓN. LAS CITAS VERBALES EXPIRAN EL MISMO DÍA EN QUE SE REALIZAN. TODOS LOS ERRORES TIPOGRÁFICOS Y ADMINISTRATIVOS ESTÁN SUJETOS A CORRECCIÓN.
 20. **TITULARIDAD.** EL CLIENTE RECONOCE QUE EL SISTEMA PROPUESTO Y TODOS SUS COMPONENTES SON PROPIEDAD EXCLUSIVA DE CSE HASTA TANTO SE SATISFAGAN EL 100% DE LOS PAGOS ACORDADOS BAJO ESTE CONTRATO.
 21. **ACCESO.** EL CLIENTE RECONOCE QUE CONCEDE ACCESO A CSE A SU PROPIEDAD (PROPIA O ARRENDADA), EN CUALQUIER MOMENTO, PARA REMOVER Y/O REPOSEER LOS EQUIPOS, DE SER INCUMPLIDOS LOS TÉRMINOS DE PAGO POR CUALQUIER RAZÓN.
 22. **FOTOGRAFÍAS.** CSE ESTÁ AUTORIZADO A UTILIZAR FOTOGRAFÍAS DE LOS EQUIPOS INSTALADOS EN SU PROPIEDAD (PROPIA O ARRENDADA) PARA PROPÓSITO PUBLICITARIOS SIEMPRE Y CUANDO SE PROTEJA SU PRIVACIDAD. ☐ MARCAR SI NO AUTORIZA.
 23. **LLAMADAS GRABADAS.** TODAS LAS LLAMADAS RECIBIDAS Y REALIZADAS DE CSE SE REALIZAN A TRAVÉS DE UNA LÍNEA GRABADA.
 24. **HONORARIOS DE ABOGADO.** EN CASO DE QUE CSE RECURRA A UN ABOGADO PARA MANEJAR POR MEDIO DE LA VÍA JUDICIAL, O EXTRAJUDICIAL, CUALQUIER VIOLACIÓN DE CUALQUIER TÉRMINO O CONDICIÓN DE ESTE CONTRATO, EL CLIENTE PAGARÁ LOS HONORARIOS RESULTANTES POR UNA CANTIDAD NO MENOR DEL VEINTE POR CIENTO (20%) DE LA CANTIDAD RECLAMADA EN EL MOMENTO, O QUE ESTÉ ACUMULANDO, PERO EN NINGÚN CASO DICHA CANTIDAD SERÁ MENOR DE DOS MIL QUINIENTOS DÓLARES (\$2,500.00). ADEMÁS, SE ACUERDA QUE, SI SE


INICIA UNA ACCIÓN JUDICIAL EN SU CONTRA POR VIOLAR LOS TÉRMINOS DE ESTE CONTRATO, ÉSTA SE SOMETERÁ A LA JURISDICCIÓN DEL TRIBUNAL QUE ESCOJA CSE.

25. **INCENTIVOS.** EL CLIENTE SE COMPROMETE A REALIZAR DE MANERA DILIGENTE Y PROACTIVA TODAS LAS GESTIONES PERTINENTES Y REQUERIDAS, DE SU PARTE, POR CUALQUIER ENTIDAD QUE LE HAYA APROBADO U OTORGADO UN INCENTIVO PARA LA ADQUISICIÓN DE SU SISTEMA Y ESTE SE HAYA CONSIDERADO COMO PARTE O TOTALIDAD DE LOS PAGOS POR EL PRESENTE CONTRATO. EL CLIENTE SE COMPROMETE A PAGAR EL 100% DE LOS COSTOS DEL PROYECTO, OBJETO DE ESTE CONTRATO, SI POR NEGLIGENCIA, OMISIÓN, PREFERENCIA O DEJADEZ DE SU PARTE EXPIRA EL PERÍODO PARA RECLAMAR EL PAGO DE DICHO INCENTIVO Y EL SISTEMA HA SIDO INSTALADO. DE SER REQUERIDO POR EL CLIENTE QUE CSE O SUS REPRESENTANTES LE ASISTAN EN EL SOMETIMIENTO, LLENADO O RADICACIÓN DE CUALQUIER PROCESO, DOCUMENTO O SOLICITUD, EL CLIENTE, RELEVA A CSE Y SUS REPRESENTANTES DE CUALQUIER NEGLIGENCIA, OMISIÓN O ERROR EN TODO MOMENTO. HASTA TANTO SE EJECUTE EL ACUERDO DE RESERVA DE SUBVENCIÓN: (A) NO SE INICIARÁN NI REALIZARÁN NINGÚN TRABAJO PARA LA INSTALACIÓN DEL SISTEMA; (B) NO SE ORDENARÁN O TOMARÁN ACCIONES PARA ADQUIRIR EQUIPO O MATERIAL PARA EL SISTEMA; Y (C) NO SE INCURRIRÁ O PAGARÁ COSTOS RELACIONADOS CON EL TRABAJO O CUALQUIER OTRA RESPONSABILIDAD DE LAS FASES DE INSTALACIÓN PARA EL SISTEMA. **ESTE CONTRATO QUEDARÁ AUTOMÁTICAMENTE CANCELADO, SIN PENALIDAD ALGUNA PARA LAS PARTES, SI EL DDEC NO APRUEBA EL INCENTIVO. LOS SUPLIDORES Y LOS BENEFICIARIOS NO PODRÁN MODIFICAR LAS SOLICITUDES APROBADAS Y DEBIDAMENTE NOTIFICADAS NI LOS CRITERIOS EXAMINADOS PARA EL PROCESO DE EVALUACIÓN Y APROBACIÓN, ENTIÉNDESE: LA PROPUESTA DEL SUPLIDOR, COSTO TOTAL DEL PROYECTO, CAMBIO DE UBICACIÓN O LOCAL, TAMAÑO DEL SISTEMA DE ENERGÍA RENOVABLE, TAMAÑO DEL ALMACENAMIENTO DE BATERÍA Y, SI SOLICITÓ, LA INFRAESTRUCTURA PARA EL CARGADOR DE AUTO ELÉCTRICO.**
26. **ACEPTACIÓN.** TAL ES EL CONTRATO QUE OTORGAN LOS COMPARECIENTES Y POR EL CUAL SE COMPROMETEN Y OBLIGAN MUTUAMENTE, HACIENDO CONSTAR QUE EL PRESENTE CONTIENE LA TOTALIDAD DE LOS ACUERDOS ENTRE LAS PARTES Y QUE CUALQUIER CAMBIO O ENMIENDA AL MISMO TENDRÁ QUE CONSTAR POR ESCRITO PARA SURTIR EFECTO Y OBLIGAR A LAS PARTES. SI ALGUNA DE LAS CLÁUSULAS DE ESTE CONTRATO FUERA DECLARADA ILEGAL O CONTRARIA A DERECHO, QUEDARÁN VIGENTES Y EN TODO VIGOR LAS CLÁUSULAS RESTANTES DEL CONTRATO.

FIRMA CLIENTE:

Rigoberto Lopez

NOMBRE EN LETRA DE MOLDE

FIRMA 
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9/4/2024
FECHA

CARIBBEAN SOLAR ENERGY:
Roxana Rivera

NOMBRE DE REPRESENTANTE AUTORIZADO
DocuSigned by:
Roxana Rivera
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powered by
Q.ANTUM DUO Z

Q.PEAK DUO XL-G10.c

475-495

ENDURING HIGH
PERFORMANCE



BREAKING THE 21 % EFFICIENCY BARRIER

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 21.6%.



LOW ELECTRICITY GENERATION COSTS

Higher yield per surface area, lower BOS costs and up to 80 watts more module power than standard 144 half-cell modules.



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.



EXTREME WEATHER RATING

High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (3000 Pa).



A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty².



STATE OF THE ART MODULE TECHNOLOGY

Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.

¹ APT test conditions according to IEC/TS 62804-1:2015, method A (-1500V, 96h)

² See data sheet on rear for further information.



THE IDEAL SOLUTION FOR:



Ground-mounted
solar power plants

Engineered in Germany

Q CELLS

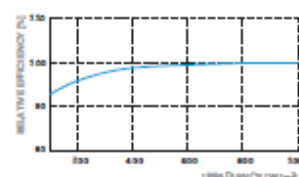
Format	87.2 in x 41.1 in x 1.38 in (including frame) (2216 mm x 1045 mm x 35 mm)
Weight	58.4 lbs (26.5 kg)
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Anodized aluminum
Cell	6 x 26 monocrystalline Q. ANTUM solar half cells
Junction Box	2.09-3.98 in x 1.26-2.36 in x 0.59-0.71 in (53-101 mm x 32-60 mm x 1.5-1.8 mm), IP67, with bypass diodes
Cable	4 mm ² Solar cable (+) ≥ 27.6 in (700 mm), (-) ≥ 13.8 in (350 mm)*
Connector	Stäubli MC4-Evo2, Hanwha Q CELLS HQC4; IP68

*Long cables (+) ≥ 57.1 in (1450 mm), (-) ≥ 57.1 in (1450 mm) for landscape installation are available upon request.

POWER CLASS		475	480	485	490	495	
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC (POWER TOLERANCE +5W / -0W)							
Minimum	Power at MPP ¹	P _{MPP} [W]	475	480	485	490	495
	Short Circuit Current ²	I _{sc} [A]	11.24	11.26	11.29	11.31	11.34
	Open Circuit Voltage ³	V _{oc} [V]	53.58	53.61	53.64	53.68	53.71
	Current at MPP	I _{MPP} [A]	10.66	10.71	10.76	10.81	10.86
	Voltage at MPP	V _{MPP} [V]	44.54	44.81	45.07	45.33	45.59
	Efficiency ⁴	η [%]	≥20.5	≥20.7	≥20.9	≥21.2	≥21.4
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ⁵							
Minimum	Power at MPP	P _{MPP} [W]	356.4	360.1	363.9	367.6	371.4
	Short Circuit Current	I _{sc} [A]	9.05	9.07	9.09	9.12	9.14
	Open Circuit Voltage	V _{oc} [V]	50.53	50.56	50.59	50.62	50.65
	Current at MPP	I _{MPP} [A]	8.39	8.43	8.47	8.52	8.56
	Voltage at MPP	V _{MPP} [V]	42.49	42.72	42.94	43.17	43.39

Figure 1 is a line graph showing the relationship between the Standard Error of estimate for the US population (X-axis) and the Relative birth frequency compared to normal power (%) (Y-axis). The X-axis ranges from 0 to 250, and the Y-axis ranges from 0 to 100. A solid blue line represents the US population (US pop.), which starts at approximately 100% at X=0 and decreases linearly to approximately 25% at X=250. A horizontal dashed line represents the industry standard for brain structure, set at approximately 75%. The area between the US pop. line and the industry standard line is shaded gray, indicating the range of relative birth frequency compared to normal power.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.



Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000W/m²)

Temperature Coefficient of I_{sc}	α	[%/K]	+0.04	Temperature Coefficient of V_{oc}	β	[%/K]	-0.27
Temperature Coefficient of P_{MPP}	γ	[%/K]	-0.34	Nominal Module Operating Temperature	NMOT	[°F]	109±5.4 (43±3°C)

Maximum System Voltage V_{max}	[V]	1500 (IEC) / 1500 (UL)	PV module classification	Class I
Maximum Series Fuse Rating	[A DC]	20	Fire Rating based on ANSI / UL 61730	TYPE 1
Max. Design Load, Push / Pull ³	[lbs/ft ²]	75 (3600 Pa) / 42 (2000 Pa)	Permitted Module Temperature on Continuous Duty	-40°F up to +185°F (-40°C up to +85°C)
Max. Test Load, Push / Pull ³	[lbs/ft ²]	113 (5400 Pa) / 63 (3000 Pa)		

³See Installation Manual

UL 61730, CE-compliant,
IEC 61215:2016,
IEC 61730:2016,
U.S. Patent No. 9,893,215
(solar cells);
Certification in process.



Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

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POWERWALL+

Powerwall+ is an integrated solar battery system that stores energy from solar production. Powerwall+ has two separate inverters, one for battery and one for solar, that are optimized to work together. Its integrated design and streamlined installation allow for simple connection to any home, and improved surge power capability brings whole home backup in a smaller package. Smart system controls enable owners to customize system behavior to suit their renewable energy needs.

KEY FEATURES

- Integrated battery, inverter, and system controller for a more compact install
- A suite of application modes, including self-powered, time-based control, and backup modes
- Wi-Fi, Ethernet, and LTE connectivity with easy over-the-air updates

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POWERWALL+

PHOTOVOLTAIC (PV) AND BATTERY ENERGY STORAGE SYSTEM (BESS) SPECIFICATIONS

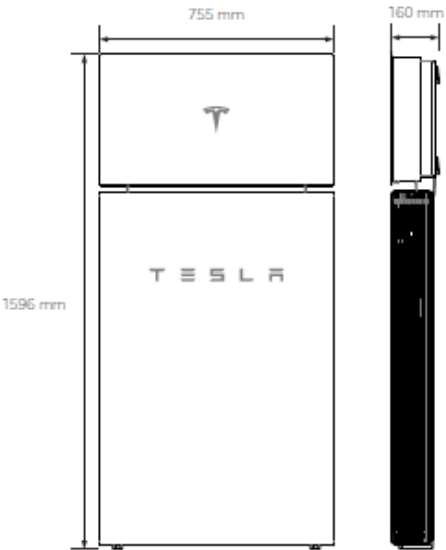
Powerwall+ Model Number	1850000-xx-y
Solar Assembly Model Number	1538000-xx-y
Nominal Battery Energy	13.5 kWh
Nominal Grid Voltage (Input / Output)	120/240 VAC
Grid Voltage Range	211.2 - 264 VAC
Frequency	60 Hz
Phase	240 VAC: 2W+N+GND
Maximum Continuous Power On-Grid	7.6 kVA full sun / 5.8 kVA no sun ¹
Maximum Continuous Power Off-Grid	9.6 kW full sun / 7 kW no sun ¹
Peak Off-Grid Power (10 s)	22 kW full sun / 10 kW no sun ¹
Maximum Continuous Current On-Grid	32 A output
Maximum Continuous Current Off-Grid	40 A output
Load Start Capability	98 - 118 A LRA ²
PV Maximum Input Voltage	600 VDC
PV DC Input Voltage Range	60 - 550 VDC
PV DC MPPT Voltage Range	60 - 480 VDC
MPPTs	4 (or 2 combined strings)
Input Connectors per MPPT	1-2-1-2
Maximum Current per MPPT (I _{mp})	13 A (26 A for combined strings)
Maximum Short Circuit Current per MPPT (I _{sc})	15 A
Allowable DC/AC Ratio	1.7
Overcurrent Protection Device	50 A breaker
Maximum Supply Fault Current	10 kA
Output Power Factor Rating	+/- 0.9 to 1 ³
Round Trip Efficiency	90% ⁴
Solar Generation CEC Efficiency	97.5% at 208 V 98.0% at 240 V
Customer Interface	Tesla Mobile App
Internet Connectivity	Wi-Fi, Ethernet, Cellular LTE/4G ⁵
PV AC Metering	Revenue grade (+/-0.5%)
Protections	Integrated arc fault circuit interrupter (AFCI), PV Rapid Shutdown
Warranty	10 years

COMPLIANCE INFORMATION

PV Certifications	UL 1699B, UL 1741, UL 3741, UL 1741 SA, UL 1998 (US), IEEE 1547, IEEE 1547.1
Battery Energy Storage System Certifications	UL 1642, UL 1741, UL 1741 PCS, UL 1741 SA, UL 1973, UL 9540, IEEE 1547, IEEE 1547.1, UN 38.3
Grid Connection	United States
Emissions	FCC Part 15 Class B
Environmental	RoHS Directive 2011/65/EU
Seismic	AC156, IEEE 693-2005 (high)

MECHANICAL SPECIFICATIONS

Dimensions	1596 x 755 x 160 mm (62.8 x 29.7 x 6.3 in)
Total Weight	140 kg (310 lb) ⁶
Battery Assembly	118 kg (261 lb)
Solar Assembly	22 kg (49 lb)
Mounting options	Floor or wall mount



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C to 50°C (-4°F to 122°F) ⁷
Recommended Temperature	0°C to 30°C (32°F to 86°F)
Operating Humidity (RH)	Up to 100%, condensing
Storage Conditions	-20°C to 30°C (-4°F to 86°F) Up to 95% RH, non-condensing State of Energy (SoE): 25% Initial
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Type	Type 3R
Solar Assembly Ingress Rating	IP55 (Wiring Compartment)
Battery Assembly Ingress Rating	IP56 (Wiring Compartment) IP67 (Battery & Power Electronics)
Noise Level @ 1 m	< 40 db(A) optimal, < 50 db(A) maximum

¹Values provided for 25°C (77°F).

²Load start capability may vary.

³Power factor rating at max real power.

⁴AC to battery to AC, at beginning of life.

⁵Cellular connectivity subject to network service coverage and signal strength.

⁶The total weight does not include the Powerwall+ bracket, which weighs an additional 9 kg (20 lb).

⁷Performance may be de-rated at operating temperatures below 10°C (50°F) or greater than 43°C (109°F).

T E S L A

NA 2022-02-18

TESLA.COM/ENERGY

SOLAR SHUTDOWN DEVICE

The Tesla Solar Shutdown Device is part of the PV system rapid shutdown (RSD) function in accordance with Article 690 of the applicable NEC. When paired with Powerwall+, solar array shutdown is initiated by turning the Powerwall+ Enable switch off, or by pushing the System Shutdown Switch if one is present.



ELECTRICAL SPECIFICATIONS

Nominal Input DC Current Rating (I_{mp})	12 A
Maximum Input Short Circuit Current (I_{sc})	15 A
Maximum System Voltage	600 V DC

RSD MODULE PERFORMANCE

Maximum Number of Devices per String	5
Control	Power Line Excitation
Passive State	Normally open
Maximum Power Consumption	7 W
Warranty	25 years

COMPLIANCE INFORMATION

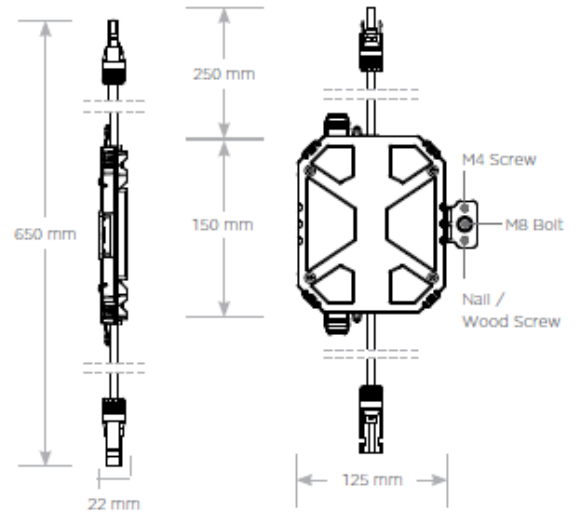
Certifications	UL 1741 PVRSE, UL 3741, PVRSA (Photovoltaic Rapid Shutdown Array)
RSD Initiation Method	External System Shutdown Switch
Compatible Equipment	See Compatibility Table below

ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature	-40°C to 50°C (-40°F to 122°F)
Storage Temperature	-30°C to 60°C (-22°F to 140°F)
Enclosure Rating	NEMA 4 / IP65

MECHANICAL SPECIFICATIONS

Electrical Connections	MC4 Connector
Housing	Plastic
Dimensions	125 mm x 150 mm x 22 mm (5 in x 6 in x 1 in)
Weight	350 g (0.77 lb)
Mounting Options	ZEP Home Run Clip M4 Screw (#10) M8 Bolt (5/16") Nail / Wood screw



UL 3741 PV HAZARD CONTROL (AND PVRSA) COMPATIBILITY

Tesla Solar Roof and Tesla/Zep Z5 Arrays using the following modules are certified to UL 3741 and UL 1741 PVRSA when installed with the Powerwall+ and Solar Shutdown Devices. See the Powerwall+ Installation Manual for detailed instructions and for guidance on installing Powerwall+ and Solar Shutdown Devices with other modules.

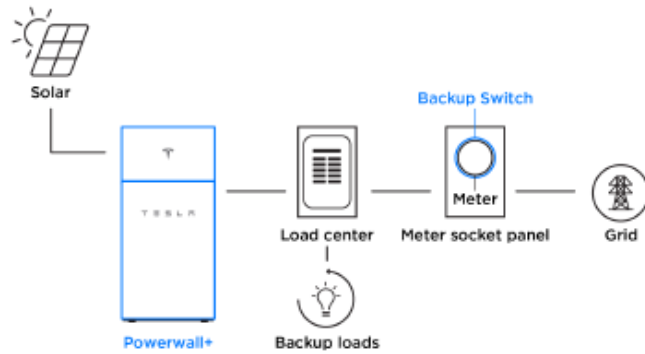
Brand	Model	Required Solar Shutdown Devices
Tesla	Solar Roof V3	1 Solar Shutdown Device per 10 modules
Tesla	Tesla TxxxS (where xxx = 405 to 450 W, increments of 5)	1 Solar Shutdown Device per 3 modules ¹
Tesla	Tesla TxxxH (where xxx = 395 to 415 W, increments of 5)	1 Solar Shutdown Device per 3 modules
Hanwha	Q.PEAK DUO BLK-G5	1 Solar Shutdown Device per 3 modules
Hanwha	Q.PEAK DUO BLK-G6+	1 Solar Shutdown Device per 3 modules

¹Exception: Tesla solar modules installed in locations where the max Voc for three modules at low design temperatures exceeds 165 V shall be limited to two modules between MCIs.

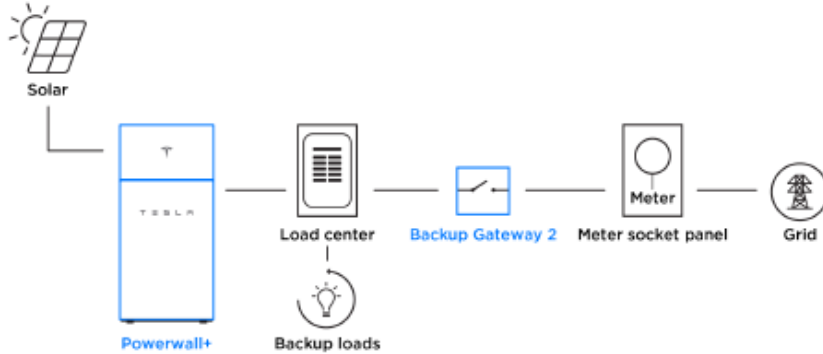


SYSTEM LAYOUTS

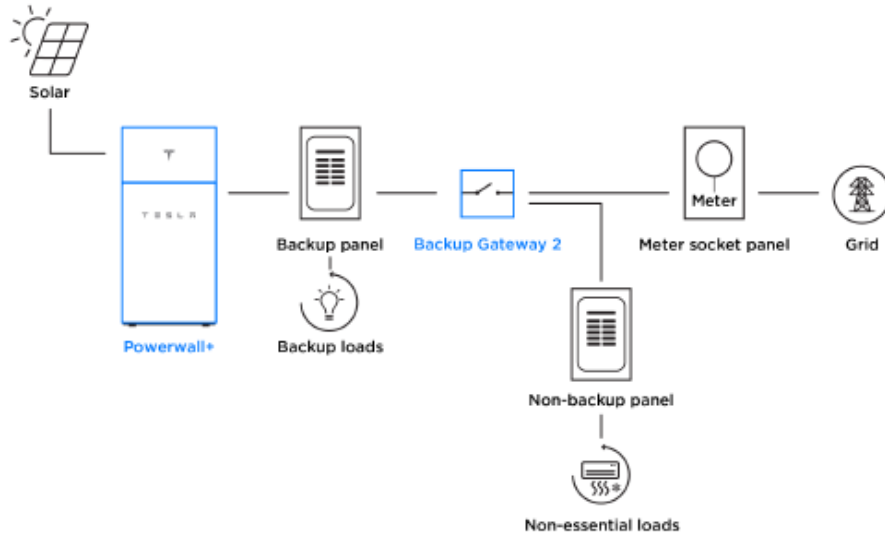
Powerwall+ with Backup Switch for Whole Home Backup



Powerwall+ with Backup Gateway 2 for Whole Home Backup



Powerwall+ with Backup Gateway 2 for Partial Home Backup



TESLA

NA 2022-02-18

TESLA.COM/ENERGY



DATA SHEET



IQ8 Series Microinverters

Our newest IQ8 Microinverters are the industry's first microgrid-forming, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55nm technology with high speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.



IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.



Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-n-play MC4 connectors.



IQ8 Series Microinverters are UL Listed as PV Rapid Shut Down Equipment and conform with various regulations, when installed according to manufacturer's instructions.

Easy to install

- Lightweight and compact with plug-n-play connectors
- Power Line Communication (PLC) between components
- Faster installation with simple two-wire cabling

High productivity and reliability

- Produce power even when the grid is down*
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

Microgrid-forming

- Complies with the latest advanced grid support**
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) requirements

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IQ8SE-DS-0001-01-EN-US-2022-03-17

* Only when installed with IQ System Controller 2, meets UL 1741. IQ8H-208V operates only in grid-tied mode.

** IQ8 Series Microinverters supports split phase, 240V. IQ8H-208 supports split phase, 208V only.

IQ8 Series Microinverters

INPUT DATA (DC)		IQ8-60-2-US	IQ8PLUS-72-2-US	IQ8M-72-2-US	IQ8A-72-2-US	IQ8H-240-72-2-US	IQ8H-208-72-2-US ¹
Commonly used module pairings ²	W	235 – 350	235 – 440	260 – 460	295 – 500	320 – 540+	295 – 500+
Module compatibility		60-cell/120 half-cell, 66-cell/132 half-cell and 72-cell/144 half-cell					
MPPT voltage range	V	27 – 37	29 – 45	33 – 45	36 – 45	38 – 45	38 – 45
Operating range	V	25 – 48			25 – 58		
Min/max start voltage	V	30 / 48			30 / 58		
Max input DC voltage	V	50			60		
Max DC current ³ [module Isc]	A			15			
Overvoltage class DC port				II			
DC port backfeed current	mA			0			
PV array configuration		1x1 Ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit					
OUTPUT DATA (AC)		IQ8-60-2-US	IQ8PLUS-72-2-US	IQ8M-72-2-US	IQ8A-72-2-US	IQ8H-240-72-2-US	IQ8H-208-72-2-US ¹
Peak output power	VA	245	300	330	366	384	366
Max continuous output power	VA	240	290	325	349	380	360
Nominal (L-L) voltage/range ⁴	V			240 / 211 – 264			208 / 183 – 250
Max continuous output current	A	1.0	1.21	1.35	1.45	1.58	1.73
Nominal frequency	Hz			60			
Extended frequency range	Hz			50 – 68			
AC short circuit fault current over 3 cycles	A _{rms}			2			4.4
Max units per 20 A (L-L) branch circuit ⁵		16	13	11	11	10	9
Total harmonic distortion				<5%			
Overvoltage class AC port				III			
AC port backfeed current	mA			30			
Power factor setting				1.0			
Grid-tied power factor (adjustable)				0.85 leading – 0.85 lagging			
Peak efficiency	%	97.5	97.6	97.6	97.6	97.6	97.4
CEC weighted efficiency	%	97	97	97	97.5	97	97
Night-time power consumption	mW			60			
MECHANICAL DATA							
Ambient temperature range		-40°C to +60°C (-40°F to +140°F)					
Relative humidity range		4% to 100% (condensing)					
DC Connector type		MC4					
Dimensions (HxWxD)		212 mm (8.3") x 175 mm (6.9") x 30.2 mm (1.2")					
Weight		1.08 kg (2.38 lbs)					
Cooling		Natural convection – no fans					
Approved for wet locations		Yes					
Pollution degree		PD3					
Enclosure		Class II double-insulated, corrosion resistant polymeric enclosure					
Environ. category / UV exposure rating		NEMA Type 6 / outdoor					
COMPLIANCE							
Certifications		CA Rule 21 (UL 1741-SA), UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01 This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's Instructions.					

(1) The IQ8H-208 variant will be operating in grid-tied mode only at 208V AC. (2) No enforced DC/AC ratio. See the compatibility calculator at <https://link.enphase.com/module-compatibility> (3) Maximum continuous input DC current is 10.6A. (4) Nominal voltage range can be extended beyond nominal if required by the utility. (5) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

IQ8SE-DS-0001-01-EN-US-2022-03-17

Appendix 4: EPA's Published Summary of Non-attainment Areas Population Exposure Report & Status of Puerto Rico Designated Areas

EPA's Published Summary of Nonattainment Areas
Population Exposure Report & Status of Puerto Rico
Designated Areas



You are here: EPA Home > Green Book > Summary Nonattainment Area Population Exposure Report

Summary Nonattainment Area Population Exposure Report

Data is current as of June 30, 2025

Ordered by state(s)

The NO₂ nonattainment area became a maintenance area on September 22, 1998. All Carbon Monoxide areas were redesignated to maintenance areas as of September 27, 2010. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

Download National Dataset: [dbf](#) | [xls](#) | [Data dictionary \(PDF\)](#)

State(s)	General Area Name (see note)	2010 Population in 1000s (area count)									
		8-Hour Ozone (2015)	8-Hour Ozone (2008)	PM-2.5 (2012)	PM-2.5 (2006)	PM-2.5 (1997)	PM-10 (1987)	SO ₂ (2010)	SO ₂ (1971)	Lead (2008)	Lead (1978)
AK	Fairbanks				87(1)						
AZ	Douglas/Paul Spur (Cochise County)						17(1)				
AZ	Hayden/Miami						26(2)	20(2)	5(1)	5(1)	
AZ	Nogales						30(1)				
AZ	Phoenix-Mesa	3,945(1)	3,850(1)				3,853(1)				
AZ	Rillito (Pima County)						1(1)				
AZ	West Pinal				52(1)		283(1)				
AZ	Yuma	87(1)					101(1)				
CA	Amador and Calaveras Cos (Central Mountain Cos)	84(2)	46(1)								
CA	Chico	220(1)	220(1)								
CA	Imperial County	175(1)	175(1)	154(1)	154(1)						
CA	Los Angeles-South Coast Air Basin	15,704(3)	15,723(3)	15,716(1)	15,716(1)	15,716(1)				9,437(1)	
CA	Mariposa and Tuolumne Cos (Southern Mountain Cos)	74(2)	18(1)								
CA	Mono County						0(1)				
CA	Nevada County (Western Part)	82(1)	82(1)								
CA	Owens Valley						7(1)				
CA	Plumas County			6(1)							
CA	Sacramento Metro	2,240(1)	2,241(1)		2,206(1)						
CA	San Diego	3,077(1)	3,095(1)								
CA	San Francisco-Bay Area	6,969(1)	6,973(1)		6,971(1)						

[illegible]

State(s)	General Area Name (see note)	2010 Population in 1000s (area count)									
		8-Hour Ozone (2015)	8-Hour Ozone (2008)	PM-2.5 (2012)	PM-2.5 (2006)	PM-2.5 (1997)	PM-10 (1987)	SO ₂ (2010)	SO ₂ (1971)	Lead (2008)	Lead (1978)
MO	Iron, Dent, and Reynolds Counties									0(1)	
MO	New Madrid County							0(1)			
MO-IL	St. Louis	2,488(1)								5(1)	3(1)
MT	Billings/Laurel								7(1)		
MT	Lame Deer						1(1)				
MT	Polson (Lake County)						4(1)				
MT	Ronan (Lake County)						3(1)				
NV	Las Vegas	1,892(1)									
NY	Jamestown		135(1)								
NY	St. Lawrence County							12(1)			
NY-NJ-CT	New York-N. New Jersey-Long Island	20,217(1)	20,217(1)								
OH	Canton-Massillon									6(1)	
OH	Cleveland-Akron-Elyria	2,780(1)									
OR	Klamath Falls				47(1)						
PA	Clearfield and Indiana Counties							93(1)			
PA	Lancaster		519(1)								
PA	Pittsburgh-New Castle		2,356(1)	1,223(1)	21(1)	21(1)		20(2)	5(1)	18(1)	
PA	Reading		411(1)							49(2)	
PA	Warren County							18(1)			
PA-NJ	Allentown-Bethlehem-Easton		712(1)								
PA-NJ-DE-MD	Philadelphia-Wilmington-Atlantic City	7,437(1)	7,634(2)								
PR	Arecibo									32(1)	
PR	Guayama-Salinas							23(1)			
PR	San Juan							275(1)			
TN	Johnson City-Kingsport-Bristol							15(1)			
TX	Dallas-Fort Worth	6,202(1)	6,280(1)								
TX	Fairfield							4(1)			
TX	Houston-Sugar Land-Baytown	5,773(1)	5,892(1)								
TX	Howard County							0(1)			

State(s)	General Area Name (see note)	2010 Population in 1000s (area count)									
		8-Hour Ozone (2015)	8-Hour Ozone (2008)	PM-2.5 (2012)	PM-2.5 (2006)	PM-2.5 (1997)	PM-10 (1987)	SO ₂ (2010)	SO ₂ (1971)	Lead (2008)	Lead (1978)
TX	Hutchinson County							15(1)			
TX	Mount Pleasant							0(1)			
TX	Navarro County							2(1)			
TX	San Antonio	1,715(1)									
TX	Tatum							2(1)			
TX-NM	El Paso-Las Cruces	813(1)					652(2)				
UT	Provo	516(1)			518(1)						
UT	Salt Lake City	1,616(1)			1,665(1)				1,030(1)		
UT	Tooele County								58(1)		
UT	Uinta Basin	47(1)									
VA	Giles County							0(1)			
WI	Milwaukee-Racine	1,648(1)									
WI	Sheboygan	68(1)									
WV-OH	Parkersburg-Marietta							4(1)			
WY	Upper Green River Basin		11(1)								
		2010 Population in 1000s (area count) by Pollutant									
Total Estimated 2010 Population in Nonattainment Areas (1000's)		8-Hour Ozone (2015)	8-Hour Ozone (2008)	PM-2.5 (2012)	PM-2.5 (2006)	PM-2.5 (1997)	PM-10 (1987)	SO ₂ (2010)	SO ₂ (1971)	Lead (2008)	Lead (1978)
Across All Criteria Pollutants: 121,102		114,981 (46)	90,288 (34)	20,942 (5)	31,280 (11)	19,579 (3)	5,605 (20)	1,900 (28)	1,106 (7)	9,561 (11)	3 (1)

The Summary Population Exposure Report is a summary of the population living in an area that is in nonattainment for at least one of the NAAQS.

Area Name:

The "State(s) Area Name" column contains a common or general name for the nonattainment areas on the row, but may not reflect the exact name of any area on the row. This column cannot be exact since the nonattainment area for one pollutant may not contain the same counties, cities, or states as the nonattainment area for another pollutant on the same row. The abbreviations listed in the "State(s)" column reflect all states identified in row. However, some states on a row may be nonattainment for some pollutants and not for others in the general area. A multi-state area with states that have not all been redesignated to maintenance is counted as a nonattainment area until all of the states in the area are redesignated, with the whole area population displayed.

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2025-06-30

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You are here: EPA Home > Green Book > >National Area and County-Level Multi-Pollutant Information >Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of June 30, 2025

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

PUERTO RICO

GO

Important Notes

Download National Dataset: dbf | xls | Data dictionary (PDF)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	111213141516171819202122232425	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	929394959697989900010203040506070809	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	1819202122232425	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Part	52,441	72/137

Important Notes

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Puerto Rico CO (1971) Areas

[Return to map](#)

No designated areas for this pollutant.

Puerto Rico Lead (1978) Areas

[Return to map](#)Top of page

No designated areas for this pollutant.

Puerto Rico Lead (2008) Areas

[Return to map](#)Top of page

Click on the Area name to view SIP Require d Element s	Area	Status	Designa tion Date	Classifica tion	2010 Popula tion <small>(state por tion)</small>	Meet s NAAQS Basis	Design Value Annual ($\mu\text{g}/\text{m}^3$) <small>(entire are a)</small>	Meets NAAQS	SIP Requirem ents Original/ Approved	Clean Air Determination Citation Effective Date Click to view FR notice	Redesigna tion Citation Effective Date Click to view FR notice
Arecibo	Arecibo	Nonattainment	12/31/2011		32,185	2017-2019	0.18	No	6 / 6		

Puerto Rico NO2 (1971) Areas

[Return to map](#)Top of page

No designated areas for this pollutant.

Puerto Rico Ozone-1Hr (1979) Areas

[Return to map](#)Top of page

No designated areas for this pollutant.

Puerto Rico Ozone-8Hr (1997) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico Ozone-8Hr (2008) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico Ozone-8Hr (2015) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico PM-10 (1987) Areas [Return to map](#) [Top of page](#)

Click on the Area name to view SIP Requirements Area	Status	Designation Date	Classification	2010 Population (state portion)	Meets NAAQS Basis	Average Estimated Exceedances (est. exc.) (entire area)	Meets NAAQS	SIP Requirements Original/Approved	Clean Air Determination Citation Effective Date Click to view FR notice	Redesignation Request Date	Redesignation Citation Effective Date Click to view FR notice
Guaynabo County	Maintenance	11/15/1990	Moderate	90,470	2017-2019		Insufficient Data	3 / 3		03/31/2009	02/11/2010 75 FR 1543

Puerto Rico PM-2.5 (1997) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico PM-2.5 (2006) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico PM-2.5 (2012) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico SO2 (1971) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico SO2 (2010) Areas [Return to map](#) [Top of page](#)

Click on the Area name to view SIP Required Elements	Area	Status	Designation Date	Classification	2010 Population (state portion)	Meets NAAQS Basis	3 Year 1-Hour Design Value (ppb) (entire area)	Meets NAAQS	SIP Requirements Original/ Approved	Clean Air Determination Citation Effective Date Click to view FR notice	Redesignation Request Date	Redesignation Citation Effective Date Click to view FR notice
Guayama-Salinas		Nonattainment	04/09/2018		23,401	2017-2019		No Data	6 / 0			
San Juan		Nonattainment	04/09/2018		275,267	2017-2019		No Data	6 / 0			

We have made our best effort to ensure that the data contained in these reports is accurate. We note that there may be brief delays in updating the reports as we receive new state submissions and we take rulemaking action on plans. In order to assist us in providing accurate information, we request that you contact us by clicking on the "Contact Us" link near the top of this page with any comments regarding or corrections to the posted information, including concerns about whether the entries reflect the most recent status.

Current and historical design value data can be found on the [EPA Air Quality Design Values website](#) and the [EPA Green Book](#) contains comprehensive nonattainment area, designation status, and historical information.

The level of the 1-hour NAAQS for sulfur dioxide is 75 parts per billion (ppb) calculated as the 3-year average of the 99th percentile of the annual distribution of daily maximum 1-hour average concentrations.

Appendix 5: RADON Memo to file and supporting documentations



DEPARTMENT OF

HOUSING

GOVERNMENT OF PUERTO RICO



Memorandum to File

Date: July 1, 2025

From: Patricia Carmenatty Santiago
Environmental Specialist
Behar Ybarra & Associates LLC
CDBG-DR Program
Electrical Power Reliability and Resilience Program (ER2)
Puerto Rico Department of Housing

Application Number: PR-ESP-00217

Project: Luis Pizza Palace

Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number PR-ESP-00217 under the Electrical Power Reliability and Resilience Program (ER2), administered by the Puerto Rico Department of Housing (**PRDOH**), to complete the property's contamination analysis in accordance with 24 C.F.R. § 50.3(i) and 24 C.F.R. § 58.5(i), we have determined that testing the property's radon levels is infeasible and impracticable.

Per the U.S. Department of Housing and Urban Development's (**HUD**) CPD Notice 23-103, the recommended best practices and alternative options for radon testing are infeasible and impracticable in this case due to the following reasons:

- As required by the CPD Notice 23-103, the scientific data reviewed in lieu of testing must consist of a minimum of ten documented test results over the previous ten years. If there are less than ten documented results over this period, it is understood that there is a lack of scientific data. The latest report

for radon testing in Puerto Rico was prepared in 1995 by the U.S. Department of the Interior in Cooperation with the U.S. Environmental Protection Agency. No other completed studies and reports on radon testing are available in Puerto Rico.

- There is no available science-based or state-generated information for Puerto Rico for the last ten years that can be used to determine whether the project site is in a high-risk area. The Department of Health and Human Services, Centers for Disease Control and Prevention (**CDC**), National Environmental Public Health Tracking, and Radon Testing map do not include Puerto Rico data.
- There are only two (2) licensed professionals in Puerto Rico who can conduct radon testing using the American National Standards Institute/American Association of Radon Scientists and Technologists (**ANSI/AARST**) testing standards, which makes it difficult, time-consuming, and highly expensive to coordinate and secure a site visit for the contamination evaluation.
- Do-it-yourself (**DIY**) radon test kits are known to be unreliable in assuring and controlling the quality of the test results; they are not readily available in Puerto Rico, and the cost and time required for purchasing and sending them for analysis are unreasonable when weighed against the results' reliability and the need for prompt results.
- Local authorities in Puerto Rico do not have the specialized radon monitoring equipment or trained staff needed to conduct the radon testing analysis and ensure proper quality control and quality assurance practices are adhered to. We also do not have a radiation laboratory certified for radon testing.
- Local authorities in Puerto Rico do not have the specialized radon monitoring equipment or trained staff needed to conduct the radon testing analysis and ensure proper quality control and quality assurance practices are adhered to. We also do not have a radiation laboratory certified for radon testing.

As part of the evaluation for this determination, PRDOH sent information requests to six (6) local agencies at the state and federal levels. We received responses from the following agencies:

- United States Geological Survey;
- Centers for Disease Control and Prevention;
- Puerto Rico Department of Health; and
- United States Environmental Protection Agency.

The agencies mentioned above confirmed the lack of scientific data on Radon testing for Puerto Rico and the technical difficulties that we face to comply with HUD's Radon testing requirement. For the above-mentioned reasons, Radon testing is infeasible and impracticable for this property, and no further consideration of Radon is needed for the environmental review.



August 20, 2024

Mrs. Carmen R. Guerrero Pérez
Director
Caribbean Environmental Protection Division
City View Plaza II – Suite 7000
#48 Rd. 165 km 1.2
Guaynabo, PR 00968-8069

Via email: guerrero.carmen@epa.gov

RE: Request for information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Barbosa Ave. #606, Building Juan C. Cordero Davila, Rio Piedras, PR 00981 | PO Box 21365 San Juan, PR 00928-1365
Tel: (787) 274-2527 | www.usenda.pr.gov



August 20, 2024

Dr. Silvina Cancelos
Professor
College of Engineering
University of Puerto Rico – Mayagüez Campus
259 Norte Blvd. Alfonso Valdés Cobián
Mayagüez, Puerto Rico

Via email: silvina.cancelos@upr.edu

RE: Request for information regarding available data on radon testing and levels within Puerto Rico

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Tel: (787) 274-2527 | www.usenda.pr.gov

Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements. If some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Oleg Pavetko, Pavetko.Oleg@epa.gov
Mr. Matthew Laitila, laitila.matthew@epa.gov

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Dr. Carlos Marín, carlos.marin3@upr.edu



August 20, 2024

Dr. Jessica Izárry
Director
Office of Island Affairs
U.S. Centers for Disease Control and Prevention
1324 Cll Canada, San Juan, 00920
Guaynabo, PR 00968-8069

Via email: OIA@cdc.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

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CDBG-DR/MIT Program
Request for Information in relation with HUD CPD-23-103 for Puerto Rico
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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary



August 20, 2024

Mrs. Anais Rodríguez
Secretary
Puerto Rico Department of Natural Resources
Carretera 8838, km. 6.3, Sector El Cinco,
Río Piedras San Juan, PR 00926

Via email: anais.rodriguez@dma.pr.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Luis Márquez, secretariogaire@dma.pr.gov
Eng. Amarilis Rosario, aire@dma.pr.gov
Mrs. Elid Ortega, ortega@dma.pr.gov



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Dr. Carlos R. Mellado López
Secretary
Puerto Rico Department of Health
PO Box 70184
San Juan, PR 00936-8184

Via email: dr.carlos.mellado@salud.pr.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

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GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Mrs. Holly Weyers
Regional Director, Southeast – Puerto Rico
US Geological Survey
3916 Sunset Ridge Road
Raleigh, NC 27607

Via email: hweyers@usgs.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Raúl Hernández Dabla, rhernandez2@salud.pr.gov

CDBG-DR/MIT Program
Request for Information in relation with HUD CDP-23-103 for Puerto Rico
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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. R. Randall Schumann, rschumann@usgs.gov

From: Charp, Paul (CDC/NCEH/DEHSP) <pac4@cdc.gov>
Sent: Tuesday, September 3, 2024 6:36 AM
To: Miranda, Sandra (CDC/PHIC/DPS); Irizarry, Jessica (CDC/PHIC/DPS); Rzeszutarski, Peter (CDC/NCEH/DEHSP); Vinson, D. Aaron (CDC/NCEH/DEHSP)
Cc: Kostak, Liana (CDC/PHIC/DPS); Vazquez, Germaine (CDC/NCEH/DEHSP)
Subject: RE: REHi: Puerto Rico Request for Information- Randon testing and levels

Good morning, Sandra and others,

In response to the request from Mr. William Rodriguez of the Department of Housing, Government of Puerto Rico, I have reviewed all the available data within the CDC National Environmental Public Health Tracking Network system for data related to radon in Puerto Rico. In addition to the tracking data available on the internet, I also reached out to Mr. Aaron Vinson of the NCEH Tracking Branch.

I was not able to find any data in the CDC systems and this was confirmed by Mr. Vinson. We also reached out the US Environmental Protection Agency who indicated they had no radon data in their systems. Please relay this information to Mr. Rodriguez in your response to his requests

If you have any additional questions, please contact me.

Thank you and best regards,

Paul A. Charp, Ph.D., Fellow, HPS
Senior Health Physicist
Emerging Environmental Hazards and Health Effects Branch (EEHHEB)
Division of Environmental Health Science and Practice (DEHSP)
National Center for Environmental Health (NCEH)
Centers for Disease Control and Prevention (CDC)
pcharp@cdc.gov
770-488-0723 office
404.388.0614 Cell



From: Schumann, R. Randall <rschumann@usgs.gov>
Sent: Wednesday, August 21, 2024 4:39 PM
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>; Weyers, Holly S <hsweyers@usgs.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>
Subject: RE: Request for Information- Radon testing and levels

Dear Ms. Medina Smaine,

In the early 1990s the U.S. Geological Survey (USGS) conducted geologic assessments of radon potential for all 50 states and the territories of Guam and Puerto Rico, in collaboration with the U.S. EPA. I conducted the geologic radon potential assessment for Puerto Rico. The PDF file of the report is too large to attach to this message but it can be obtained at <https://pubs.usgs.gov/of/1993/0292k/report.pdf>. The USGS did not conduct indoor radon testing and we did not conduct field studies associated with this assessment; it was based on existing data. Mr. David Saldana of the Puerto Rico Department of Health kindly provided us with data for 610 homes that were tested for indoor radon by his agency between 1993 and 1995, which are summarized in the report. I am not aware of any other radon-related geologic studies conducted in the Commonwealth of Puerto Rico by the U.S. Geological Survey.

Best regards,

R. Randall Schumann
Scientist Emeritus
U.S. Geological Survey
Geosciences and Environmental Change Science Center
Denver, Colorado, USA
rschumann@usgs.gov
<https://www.usgs.gov/staff-profiles/r-randall-schumann>

From: Raul Hernandez Doble <rhernandez2@salud.pr.gov>
Sent: Wednesday, August 21, 2024 2:13:31 PM
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>; Dr. Carlos Mellado <drcarlos.mellado@salud.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Mayra Toro Tirado <mtoro@salud.pr.gov>
Subject: RE: [EXTERNAL] Request for Information- Radon testing and levels

Good afternoon. Ms. Medina

I regret to inform that we do not have any recent information on radon testing, since we do not have a certified radiation laboratory certified for radon testing. There are companies that sell test kits available online that can be done and mailed to a testing laboratory. There are also lists of radon contractors and these companies that process radon testing cartridges with instructions, on the Environmental Protection Agency Indoor air Quality web page. The last radon study in Puerto Rico done by the PR Department of Health was done on the year 1993.

Raul Hernandez Doble
Director, Seccion Salud Radiologica
Division de Salud Ambiental
Secretaria Auxiliar para la Vigilancia y la Proteccion de la Salud Publica
rhernandez2@salud.gov.pr
Phone: (787)765-2929 ext. 3210

From: Reyes, Brenda <Reyes.Brenda@epa.gov>
Sent: Wednesday, September 18, 2024 11:48 AM
To: Cesar O Rodriguez Santos <cesarrodriguez@drna.pr.gov>; Maritza Rosa Olivares <maritzarosaolivares@drna.pr.gov>; Silvina Cancelos Mancini <silvina.cancelos@upr.edu>; Melanie Medina Smaine <mmedina@vivienda.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Povetko, Oleg (he/him/his) <Povetko.Oleg@epa.gov>
Subject: RE: Request for Information- Randon testing and levels

Saludos.

La EPA esta trabajando una respuesta a su petición. Se sometió borrador a la directora y el subdirector para su aprobación y firma.

Brenda Reyes Tomassini
Public Affairs
U.S. EPA
Region 2
Caribbean Environmental Protection Division
(787) 977-5869/(787) 977-5865
Mobile: 202-834-1290

From: Silvina Cancelos Mancini <silvina.cancelos@upr.edu>
Sent: Friday, September 6, 2024 15:04
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Maritza Rosa Olivares <maritzarosaolivares@drna.pr.gov>; Reyes, Brenda <Reyes.Brenda@epa.gov>; Povetko, Oleg <Povetko.Oleg@epa.gov>
Subject: Re: Request for Information- Randon testing and levels

Estimada Melanie Medina

Quería dejarle saber que recibimos su correo el 21 de agosto al igual que el de Maritza Rosa el pasado 4 de septiembre. Ya las personas involucradas de EPA, junto conmigo y el Dr. Marín estamos al tanto del asunto y estamos trabajando para poder enviarles la información.

Atentamente

Silvina Cancelos
Professor
Associate Director
Mechanical Engineering Department
University of Puerto Rico - Mayaguez
Call BOX 9000 Mayaguez PR 00680
Tel: 787-832-4040 ext 5956
email: silvina.cancelos@upr.edu



Bubble Dynamics Lab
University of Puerto Rico - Mayaguez



EPA REGION 2
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION

September 23, 2024

VIA EMAIL

William O. Rodriguez Rodriguez, Esq.
Secretary
Puerto Rico Department of Housing
Barbosa Ave. 606 Building Juan C. Cordero
San Juan, PR 00917
Email: W.Rodriguez@vivienda.pr.gov

RE: EPA Response to August 20, 2024 request for information of data on radon testing and levels in Puerto Rico

Dear Honorable Secretary Rodriguez Rodriguez:

This communication is in response to your letter of August 20, 2024 addressed to the Puerto Rico Department of Natural and Environmental Resources (DNER) and referred to the U.S. Environmental Protection Agency (EPA) regarding available data on radon testing and levels within Puerto Rico.

EPA's National Radon Action Plan 2021–2025 sets a goal for the nation to find, fix and prevent high indoor radon levels in 8 million buildings by 2025 and prevent 3,500 lung cancer deaths per year. Under this Plan, leaders from across multiple sectors are working together to plan, guide, and sustain nationwide action to prevent exposure to radon.

Due to the lack of data in Puerto Rico, EPA undertook an investigation in collaboration with the University of Puerto Rico-Mayaguez (UPRM) Campus, Departments of Civil Engineering and Surveying and Mechanical Engineering, to find out if radon presented a problem in Puerto Rico. Up until 2021, the only data we had for Puerto Rico was a 1993-1995 mail-in radon screening study referred to by the U.S. Geological Survey report (USGS, 1995) in which the USGS concluded that several areas of Puerto Rico have the geologic potential to generate indoor radon levels exceeding the EPA Action Level of 4 pCi/L (picocuries per liter), perhaps locally reaching very high levels above 50 pCi/L, if a house construction and

ventilation allow for soil-gas radon to enter and concentrate within the structure.¹ According to the USGS report, most of these areas are located in the northwest part of the island. Please note that the actual 1993-1995 study documentation is not available to the EPA.

Typical radon testing technology used in mainland United States (charcoal canisters or electric-powered devices) are impractical in Puerto Rico because of high humidity and power outages. The recovery and rebuilding of communities following the aftermath of 2017 Hurricanes Irma and Maria presented an opportunity to develop radon prevention and mitigation strategies in 2019. Initially, EPA sampled indoor radon air in over 170 single-family residences in the municipalities of San Sebastian, Lares, Ciales, Arecibo, Morovis, Camuy, and Hatillo and later expanded the project to other municipalities such as Rincon, Aguada, Aguadilla, Isabela, Quebradillas, Barceloneta and Vega Baja. The quality assurance protocols were anchored in American National Standards Institute/American Association of Radon Scientists and Technologists (ANSI/AARST) standards of practice (ANSI/AARS, 2019). The sampling was designed in two stages: scoping and confirmatory sampling. The scoping sampling was conducted using Corentium Home (CH) electronic monitors and E-Perm systems. Locations measuring above the EPA Action Level of 4 pCi/L with CH were measured at the second stage of the sampling using RAD7 and Corentium Pro Continuous Radon Monitors (CRMs). Nationally certified radon sampling professionals led by one such professional from the UPRM conducted confirmatory sampling in the second stage. Also, during the study, the nationally certified radon mitigation professionals inspected several homes with elevated indoor radon levels.

Mapping radon in Puerto Rico proved to be a complicated endeavor given the COVID-19 pandemic in 2020. EPA and UPRM continue to work on the project, however, results have not been finalized, and no scientific report has been published yet. Unfortunately, EPA cannot share preliminary data at this time because it contains privileged information. Nevertheless, preliminary data from the study does show homes with levels over 4 pCi/L (EPA Action Level) that might need mitigation to protect the health of their inhabitants.

Although many states have developed laws and regulations governing radon disclosure, certification, and mitigation, Puerto Rico lacks legislation or mandatory radon testing provisions for new construction, remodeling, selling or buying homes. Given this loophole and aiming to answer your request, the EPA can provide information on Best Management Practices for sampling indoor radon in Puerto Rico.

¹ **Reference:** USGS. Geologic Radon Potential of Guam and Puerto Rico, Report 93-292-K. Washington, DC: USGS. Retrieved 9/11/2024, from <https://pubs.usgs.gov/of/1993/0292k/report.pdf>.

CITY VIEW PLAZA II BUILDING, 7TH FLOOR
ROUTE 185 GUAYNABO, PR 00988

2

If you have any questions or need any additional information, please contact me at 787-977-5865 or guerrero.carmen@epa.gov or have your staff contact Reyes, Brenda at reyes.brenda@epa.gov or (787) 977-5869.

Sincerely,

**CARMEN
GUERRERO
PEREZ**

Carmen R. Guerrero Pérez
Director

Digitally signed by
CARMEN GUERRERO PEREZ
Date: 2024.09.23 09:41:39
-04'00'

cc: Roberto Mendez, Esq (Acting Secretary, PR Department of Natural and Env. Resources)
Melany Medina: mmedina@vivienda.pr.gov
Elaine Dume Mejia: Edume@vivienda.pr.gov
Luz S Colon Ortiz: Lcolon@vivienda.pr.gov
Aldo A. Rivera-Vazquez: arivera@vivienda.pr.gov
Cesar O. Rodriguez: cesarrodriiguez@drna.pr.gov
Marita Rosa Olivares: maritzarosaolivares@drna.pr.gov

ECHO Reports



Detailed Facility Report

Facility Summary

CARIBBEAN UNIVERSITY

PR-167 KM 21.2, BAYAMON, PR 00960

FRS (Facility Registry Service) ID: 110004888248

EPA Region: 02

Latitude: 18.38729

Longitude: -66.162502

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	02/05/2008
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PR0000591677)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004888248					N	18.38729	-66.162502
RCRAInfo	RCRA	PR0000591677	VSQG	Active (H)			N	18.38729	-66.162502

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004888248	CARIBBEAN UNIVERSITY	PR-167 KM 21.2, BAYAMON, PR 00960	Bayamón Municipio
RCRAInfo	RCRA	PR0000591677	CARIBBEAN UNIVERSITY	CARRETERA 167 KM 21.2, BAYAMON, PR 00960-0493	Bayamón Municipio

No data records returned

Compliance Summary Data

Three-Year Compliance History by Quarter

Informal Enforcement Actions

Last 5 Years

No data records returned

Formal Enforcement Actions

Last 5 Years

No data records returned

Environmental Conditions

Watersheds

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

No data records returned

Air Quality Nonattainment Areas

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

No data records returned

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfp-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	29,214	Children 5 years and younger	1,160 (4%)
Population Density	9,359/sq.mi.	Minors 17 years and younger	5,007 (17%)
Housing Units in Area	14,689	Adults 18 years and older	24,205 (83%)
Percent People of Color	100%	Seniors 65 years and older	7,210 (25%)
Households in Area	11,532		
Households on Public Assistance	268	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	20,201	White	9,947 (34%)
Percent With Low Income	70%	African-American	2,344 (8%)
		Hispanic-Origin	28,978 (99%)
		Asian	84 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	22 (0%)
		Other/Multiracial	7,386 (25%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	2,218 (10.15%)
Center Latitude	18.38729	9th through 12th Grade	1,582 (7.24%)
Center Longitude	-66.162502	High School Diploma	5,306 (24.29%)
Total Area	3.121 sq.mi.	Some College/2-year	4,320 (19.77%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,688 (26.03%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	3,692 (31.98%)		
\$15,000 - \$25,000	2,039 (17.66%)		
\$25,000 - \$50,000	3,212 (27.83%)		
\$50,000 - \$75,000	1,503 (13.02%)		
Greater than \$75,000	1,097 (9.5%)		



Detailed Facility Report

Facility Summary

HARRIS & DEVOE PAINTS CORP

25 C ST. MINILLAS INDL. PARK, BAYAMON, PR 00959

FRS (Facility Registry Service) ID: 110007806222

EPA Region: 02

Latitude: 18.392783

Longitude: -66.164396

Locational Data Source: FRS

Industries: Chemical Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	--
Qtrs in Noncompliance (of 12)	--
Qtrs with Significant Violation	--
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--
Statute	EPCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	--
Qtrs in Noncompliance (of 12)	--
Qtrs with Significant Violation	--
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	05/14/2012
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Active SQG, (PRD090137910), Inactive Other, (PRD987370731)
Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details
Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): 7114211
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): 00619HRRSD15CST
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007806222					N	18.392783	-66.164396
ICIS		6781					N	18.390737	-66.140695
EIS	CAA	7114211					N	18.3918	-66.16365
TRI	EP313	00619HRRSD15CST	Toxics Release Inventory	Last Reported for 2023			N	18.384577	-66.1452
RCRAInfo	RCRA	PRD090137910	SQG	Active (H)			N	18.390737	-66.140695
RCRAInfo	RCRA	PRD987370731	Other	Inactive ()			N	18.390737	-66.140695

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007806222	HARRIS & DEVOE PAINTS CORP	25 C ST. MINILLAS INDL. PARK, BAYAMON, PR 00959	Bayamón Municipio
ICIS		6781	HARRIS & DEVOE PAINTS CORP	MINILLAS INDUSTRIAL PK, BAYAMON, PR 00619	Bayamón Municipio
EIS	CAA	7114211	HARRIS PAINTS	25 C ST. MINILLAS INDL. PARK, BAYAMON, PR 00959	Bayamón Municipio
TRI	EP313	00619HRRSD15CST	HARRIS PAINTS CORP.	25 C STREET MINILLAS INDUSTRIAL PARK BAYAMON PR, BAYAMON, PR 00959	Bayamón Municipio
RCRAInfo	RCRA	PRD090137910	HARRIS PAINTS CORP	25 CALLE C - MINILLAS IND PARK, BAYAMON, PR 00619	Bayamón Municipio
RCRAInfo	RCRA	PRD987370731	HARRIS & DEVOE PAINTS CORP	MINILLAS INDUSTRIAL PK, BAYAMON, PR 00619	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00619HRRSD15CST	2851	Paints And Allied Products

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00619HRRSD15CST	325510	Paint and Coating Manufacturing
TRI	00619HRRSD15CST	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
EIS	7114211	325510	Paint and Coating Manufacturing
RCRAInfo	PRD090137910	32551	Paint and Coating Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD090137910	No	05/31/2025	0	05/30/2025
RCRA	PRD987370731	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD090137910)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
RCRA (Source ID: PRD987370731)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
No data records returned															

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
--	---	---	---------------------------------	--------------------------------------	--	---

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals

Air Pollutant Report

TRI Pollution Prevention Report

Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
00619HRRSD15CST	2023	3,123	--	0	--	--	3,123	--
00619HRRSD15CST	2022	2,431	--	0	--	--	2,431	--
00619HRRSD15CST	2021	2,774	--	0	--	--	2,774	--
00619HRRSD15CST	2020	2,855	--	0	--	--	2,855	--
00619HRRSD15CST	2019	2,516	--	0	--	--	2,516	--
00619HRRSD15CST	2018	3,045	--	0	--	--	3,045	--
00619HRRSD15CST	2017	2,630	--	0	--	--	2,630	--
00619HRRSD15CST	2016	2,789	--	0	--	--	2,789	--
00619HRRSD15CST	2015	2,770	--	0	--	--	2,770	--
00619HRRSD15CST	2014	2,677	--	0	--	--	2,677	--

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
1,2,4-Trimethylbenzene	A	A	A	--	--	--	--	--	--	--
3-Iodo-2-propynyl butylcarbamate	A	A	A	--	--	--	--	--	--	--
Certain glycol ethers	1	0	0	0	0	1	0	0	0	0
Dichloromethane	--	--	--	--	A	A	A	A	A	A
Ethylbenzene	A	A	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	R	R	R
Lead compounds	--	--	R	R	R	R	R	R	R	R
Methanol	A	A	--	--	--	--	--	--	--	--
Toluene	813	874	902	892	884	903	861	876	881	873

Chemical Name	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Xylene (mixed isomers)	828	A	A	A	A	270	268	269	269	269
n-Hexane	1,481	1,556	1,872	1,963	1,632	1,872	1,500	1,644	1,620	1,535

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 3/1/2025)

Source ID	Waste Description	2022	2023	2024	2025
PRD090137910	Hazardous Waste	3,739	6,157	4,253	--
PRD090137910	Acute Hazardous Waste	0	0	0	--
PRD090137910	Pharmaceutical Hazardous Waste	0	0	0	--

“Pharmaceutical Hazardous Waste” refers to quantities managed under 40 CFR part 266 subpart P and thus excluded from the Hazardous and Acute Hazardous Waste quantities shown above.

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	27,629	Children 5 years and younger	982 (4%)
Population Density	8,851/sq.mi.	Minors 17 years and younger	4,473 (16%)
Housing Units in Area	13,538	Adults 18 years and older	23,156 (84%)
Percent People of Color	99%	Seniors 65 years and older	6,794 (25%)
Households in Area	10,767		
Households on Public Assistance	264	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	19,184	White	9,799 (35%)
Percent With Low Income	70%	African-American	2,338 (8%)
		Hispanic-Origin	27,322 (99%)
		Asian	77 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	15 (0%)
		Other/Multiracial	6,794 (25%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	2,005 (9.58%)
Center Latitude	18.392783	9th through 12th Grade	1,402 (6.7%)
Center Longitude	-66.164396	High School Diploma	5,183 (24.76%)
Total Area	--	Some College/2-year	3,982 (19.03%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,690 (27.19%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	3,401 (31.59%)		
\$15,000 - \$25,000	1,870 (17.37%)		
\$25,000 - \$50,000	3,048 (28.31%)		
\$50,000 - \$75,000	1,374 (12.76%)		
Greater than \$75,000	1,072 (9.96%)		



Detailed Facility Report

Facility Summary

JEFREY COLON COLON

CALLE AVE MAGNOLIA P 15, BAYAMON, PR 00958

FRS (Facility Registry Service) ID: 110004890413

EPA Region: 02

Latitude: 18.38128

Longitude: -66.1694

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD987381696)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004890413					N	18.38128	-66.1694
RCRAInfo	RCRA	PRD987381696	Other	Inactive ()			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004890413	JEFRY COLON COLON	CALLE AVE MAGNOLIA P 15, BAYAMON, PR 00958	Bayamón Municipio
RCRAInfo	RCRA	PRD987381696	JEFRY COLON COLON	CALLE AVE MAGNOLIA P 15, BAYAMON, PR 00958	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987381696	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD987381696)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
No data records returned															

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned						

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	31,603	Children 5 years and younger	1,332 (4%)
Population Density	10,128/sq.mi.	Minors 17 years and younger	5,652 (18%)
Housing Units in Area	15,457	Adults 18 years and older	25,948 (82%)
Percent People of Color	100%	Seniors 65 years and older	7,517 (24%)
Households in Area	12,153	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	283	White	10,420 (33%)
Persons With Low Income	21,614	African-American	2,620 (8%)
Percent With Low Income	69%	Hispanic-Origin	31,397 (99%)
Geography		Asian	42 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.38128	American Indian	15 (0%)
Center Longitude	-66.1694	Other/Multiracial	8,018 (25%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	2,267 (9.76%)
Water Area	0%	9th through 12th Grade	1,730 (7.45%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	5,583 (24.03%)
Less than \$15,000	3,826 (31.48%)	Some College/2-year	4,784 (20.59%)
\$15,000 - \$25,000	2,101 (17.29%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6,032 (25.97%)
\$25,000 - \$50,000	3,481 (28.64%)		
\$50,000 - \$75,000	1,586 (13.05%)		
Greater than \$75,000	1,160 (9.54%)		



Detailed Facility Report

Facility Summary

FARMACIAS PLAZA #2

**MARGINAL D-32 EXT FORREST HILLS, BAYAMON, PR
00959**

FRS (Facility Registry Service) ID: 110071424559

EPA Region: 02

Latitude: 18.38592

Longitude: -66.163788

Locational Data Source: RCRINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	03/02/2023
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRN008031031)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110071424559	FARMACIAS PLAZA #2	MARGINAL D-32 EXT FORREST HILLS, BAYAMON, PR 00959	Bayamón Municipio
RCRAInfo	RCRA	PRN008031031	FARMACIAS PLAZA #2	MARGINAL D-32 EXT FORREST HILLS, BAYAMON, PR 00959	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

RCRA (Hazardous Waste (Resource Conservation and Recovery Act) Compliance Pipeline (Compliance Monitoring → Violations → Enforcement Actions) (10 Years)

This table shows how violations relate to compliance monitoring (CM) activities and enforcement. Currently available for CAA and RCRA only. Full CM history available below.

No data records returned

There are no relationships to display in the RCRA Compliance Pipeline table for this facility. Scroll down to view compliance monitoring history.

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
RCRA	PRN008031031	ICIS	Information Request	Formal	EPA	08/10/2023	
RCRA	PRN008031031	ICIS	Inspection/Evaluation	Evaluation	EPA	03/02/2023	

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008031031	No	08/16/2025	0	08/15/2025

Three-Year Compliance History by Quarter

Statute	Program/ Pollutant/ Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRN008031031)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
No data records returned															

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1–Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))	
Total Persons	30,292
Population Density	9,705/sq.mi.
Housing Units in Area	15,122
Percent People of Color	100%
Households in Area	11,826
Households on Public Assistance	273
Persons With Low Income	21,005
Percent With Low Income	70%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.38592
Center Longitude	-66.163788
Total Area	3.121 sq.mi.
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	3,785 (32.02%)
\$15,000 - \$25,000	2,095 (17.72%)
\$25,000 - \$50,000	3,294 (27.86%)
\$50,000 - \$75,000	1,555 (13.15%)
Greater than \$75,000	1,093 (9.25%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	1,295 (4%)
Minors 17 years and younger	5,482 (18%)
Adults 18 years and older	24,808 (82%)
Seniors 65 years and older	7,299 (24%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	10,092 (33%)
African-American	2,494 (8%)
Hispanic-Origin	30,057 (99%)
Asian	81 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	21 (0%)
Other/Multiracial	7,733 (26%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	2,223 (9.95%)
9th through 12th Grade	1,580 (7.07%)
High School Diploma	5,434 (24.32%)
Some College/2-year	4,525 (20.25%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,823 (26.06%)



Detailed Facility Report

Facility Summary

MAXLAN IND SEVICES INC

ST D BLDG M3, BAYAMON, PR 00959

FRS (Facility Registry Service) ID: 110007815427

EPA Region: 02

Latitude: 18.388616

Longitude: -66.169986

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	11/15/2000
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRO007002736)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007815427					N	18.388616	-66.169986
RCRAInfo	RCRA	PRO007002736	Other	Inactive ()			N	18.388616	-66.169986

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007815427	MAXLAN IND SEVICES INC	ST D BLDG M3, BAYAMON, PR 00959	Bayamón Municipio
RCRAInfo	RCRA	PRO007002736	MAXLAN IND SEVICES INC	ST D BLDG M3, BAYAMON, PR 00959	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRO007002736	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRO007002736)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	30,633	Children 5 years and younger	1,224 (4%)
Population Density	9,814/sq.mi.	Minors 17 years and younger	5,528 (18%)
Housing Units in Area	14,798	Adults 18 years and older	25,105 (82%)
Percent People of Color	99%	Seniors 65 years and older	7,177 (23%)
Households in Area	11,677	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	288	White	10,496 (34%)
Persons With Low Income	21,225	African-American	2,590 (8%)
Percent With Low Income	70%	Hispanic-Origin	30,348 (99%)
Geography		Asian	35 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.388616	American Indian	15 (0%)
Center Longitude	-66.169986	Other/Multiracial	7,645 (25%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	2,108 (9.38%)
Water Area	0%	9th through 12th Grade	1,465 (6.52%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	5,527 (24.6%)
Less than \$15,000	3,656 (31.31%)	Some College/2-year	4,493 (20%)
\$15,000 - \$25,000	2,046 (17.52%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6,074 (27.03%)
\$25,000 - \$50,000	3,391 (29.04%)		
\$50,000 - \$75,000	1,524 (13.05%)		
Greater than \$75,000	1,059 (9.07%)		



Detailed Facility Report

Facility Summary

ROMUTEC INDUSTRIAL AIR DUCTS CORP
ST E BLDG 1446-0-89-02, BAYAMON, PR 00959
FRS (Facility Registry Service) ID: 110007814240
EPA Region: 02
Latitude: 18.390582
Longitude: -66.168276
Locational Data Source: RCRAINFO
Industries: --
Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN008009243)
Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details
Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007814240					N	18.390582	-66.168276
RCRAInfo	RCRA	PRN008009243	Other	Inactive ()			N	18.390582	-66.168276

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007814240	ROMUTEC INDUSTRIAL AIR DUCTS CORP	ST E BLDG 1446-0-89-02, BAYAMON, PR 00959	Bayamón Municipio
RCRAInfo	RCRA	PRN008009243	ROMUTEC INDUSTRIAL AIR DUCTS CORP	ST E BLDG 1446-0-89-02, BAYAMON, PR 00959	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008009243	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRN008009243)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	30,057	Children 5 years and younger	1,190 (4%)
Population Density	9,629/sq.mi.	Minors 17 years and younger	5,396 (18%)
Housing Units in Area	14,522	Adults 18 years and older	24,661 (82%)
Percent People of Color	99%	Seniors 65 years and older	7,092 (24%)
Households in Area	11,477	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	283	White	10,443 (35%)
Persons With Low Income	20,993	African-American	2,569 (9%)
Percent With Low Income	71%	Hispanic-Origin	29,761 (99%)
Geography		Asian	37 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.390582	American Indian	15 (0%)
Center Longitude	-66.168276	Other/Multiracial	7,545 (25%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	2,074 (9.37%)
Water Area	0%	9th through 12th Grade	1,464 (6.61%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	5,514 (24.91%)
Less than \$15,000	3,634 (31.66%)	Some College/2-year	4,307 (19.46%)
\$15,000 - \$25,000	1,992 (17.36%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,997 (27.09%)
\$25,000 - \$50,000	3,324 (28.96%)		
\$50,000 - \$75,000	1,489 (12.97%)		
Greater than \$75,000	1,038 (9.04%)		



Detailed Facility Report

Facility Summary

ROMUTEE IND AIR DUCTS CORP

ST E BLDG M1446-08-89-02, BAYAMON, PR 00959

FRS (Facility Registry Service) ID: 110007815409

EPA Region: 02

Latitude: 18.390582

Longitude: -66.168276

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	11/16/2000
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRO007002702)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007815409					N	18.390582	-66.168276
RCRAInfo	RCRA	PRO007002702	Other	Inactive ()			N	18.390582	-66.168276

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007815409	ROMUTEE IND AIR DUCTS CORP	ST E BLDG M1446-08-89-02, BAYAMON, PR 00959	Bayamón Municipio
RCRAInfo	RCRA	PRO007002702	ROMUTEE IND AIR DUCTS CORP	ST E BLDG M1446-08-89-02, BAYAMON, PR 00959	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRO007002702	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRO007002702)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	30,057	Children 5 years and younger	1,190 (4%)
Population Density	9,629/sq.mi.	Minors 17 years and younger	5,396 (18%)
Housing Units in Area	14,522	Adults 18 years and older	24,661 (82%)
Percent People of Color	99%	Seniors 65 years and older	7,092 (24%)
Households in Area	11,477		
Households on Public Assistance	283	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	20,993	White	10,443 (35%)
Percent With Low Income	71%	African-American	2,569 (9%)
		Hispanic-Origin	29,761 (99%)
		Asian	37 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	15 (0%)
		Other/Multiracial	7,545 (25%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	2,074 (9.37%)
Center Latitude	18.390582	9th through 12th Grade	1,464 (6.61%)
Center Longitude	-66.168276	High School Diploma	5,514 (24.91%)
Total Area	--	Some College/2-year	4,307 (19.46%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,997 (27.09%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	3,634 (31.66%)		
\$15,000 - \$25,000	1,992 (17.36%)		
\$25,000 - \$50,000	3,324 (28.96%)		
\$50,000 - \$75,000	1,489 (12.97%)		
Greater than \$75,000	1,038 (9.04%)		



Detailed Facility Report

Facility Summary

SHELL CO PR LTD SS 3026 COUNTRY ESTATES

PR-167 KM 20.7, BAYAMON, PR 00958

FRS (Facility Registry Service) ID: 110007819487

EPA Region: 02

Latitude: 18.384241

Longitude: -66.165999

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000006015)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007819487					N	18.384241	-66.165999
RCRAInfo	RCRA	PRR000006015	Other	Inactive ()			N	18.384241	-66.165999

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007819487	SHELL CO PR LTD SS 3026 COUNTRY ESTATES	PR-167 KM 20.7, BAYAMON, PR 00958	Bayamón Municipio
RCRAInfo	RCRA	PRR000006015	SHELL CO PR LTD SS 3026 COUNTRY ESTATES	RD PR 167 KM 20.7, BAYAMON, PR 00610	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000006015	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRR000006015)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	31,236	Children 5 years and younger	1,373 (4%)
Population Density	10,009/sq.mi.	Minors 17 years and younger	5,701 (18%)
Housing Units in Area	15,504	Adults 18 years and older	25,531 (82%)
Percent People of Color	100%	Seniors 65 years and older	7,416 (24%)
Households in Area	12,097	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	283	White	10,162 (33%)
Persons With Low Income	21,681	African-American	2,649 (8%)
Percent With Low Income	70%	Hispanic-Origin	31,012 (99%)
Geography		Asian	59 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.384241	American Indian	17 (0%)
Center Longitude	-66.165999	Other/Multiracial	7,983 (26%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	2,233 (9.73%)
Water Area	0%	9th through 12th Grade	1,621 (7.07%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	5,617 (24.49%)
Less than \$15,000	3,847 (31.8%)	Some College/2-year	4,748 (20.7%)
\$15,000 - \$25,000	2,161 (17.86%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,915 (25.78%)
\$25,000 - \$50,000	3,399 (28.09%)		
\$50,000 - \$75,000	1,593 (13.17%)		
Greater than \$75,000	1,099 (9.08%)		



Detailed Facility Report

Facility Summary
SUPER TRUCK PARTS INC
PR-167 KM 20.5 BO LA ALDEO, BAYAMON, PR 00958

FRS (Facility Registry Service) ID: 110041679289
EPA Region: 02
Latitude: 18.380527
Longitude: -66.170601
Locational Data Source: RCRAINFO
Industries: Repair and Maintenance
Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	09/26/2012
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Active SQG, (PRR000022673)
Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details
Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110041679289					N	18.380527	-66.170601
RCRAInfo	RCRA	PRR000022673	SQG	Active (H)			N	18.380527	-66.170601

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110041679289	SUPER TRUCK PARTS INC	PR-167 KM 20.5 BO LA ALDEO, BAYAMON, PR 00958	Bayamón Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
RCRAInfo	RCRA	PRR000022673	SUPER TRUCK PARTS INC	CARR 167 KM 20.5 BO LA ALDEO, BAYAMON, PR 00958	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000022673	811111	General Automotive Repair

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy
<<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results
<<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000022673	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000022673)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
---------	--------	-----------	----------------	-------------	------

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
--	---	---	---------------------------------	--------------------------------------	--	---

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
-------	--------------	--------------------	----------------------	-----------------	-----------------------	--------------------	----------------	----------------------	----------------	-----------

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
No data records returned				

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name
No data records returned

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 3/1/2025)

Source ID	Waste Description	2022	2023	2024	2025
PRR000022673	Hazardous Waste	284	378	465	--
PRR000022673	Acute Hazardous Waste	0	0	0	--
PRR000022673	Pharmaceutical Hazardous Waste	0	0	0	--

“Pharmaceutical Hazardous Waste” refers to quantities managed under 40 CFR part 266 subpart P and thus excluded from the Hazardous and Acute Hazardous Waste quantities shown above.

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	31,437	Children 5 years and younger	1,312 (4%)
Population Density	10,075/sq.mi.	Minors 17 years and younger	5,604 (18%)
Housing Units in Area	15,258	Adults 18 years and older	25,839 (82%)
Percent People of Color	100%	Seniors 65 years and older	7,482 (24%)
Households in Area	12,042		
Households on Public Assistance	273	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	21,330	White	10,387 (33%)
Percent With Low Income	68%	African-American	2,574 (8%)
		Hispanic-Origin	31,238 (99%)
		Asian	44 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	15 (0%)
		Other/Multiracial	7,942 (25%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	2,263 (9.79%)
Center Latitude	18.380527	9th through 12th Grade	1,717 (7.43%)
Center Longitude	-66.170601	High School Diploma	5,510 (23.84%)
Total Area	--	Some College/2-year	4,724 (20.44%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6,099 (26.39%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	3,773 (31.33%)		
\$15,000 - \$25,000	2,046 (16.99%)		
\$25,000 - \$50,000	3,482 (28.91%)		
\$50,000 - \$75,000	1,546 (12.84%)		



Detailed Facility Report

Facility Summary

WALGREENS #380

4699 RR 5, BAYAMON, PR 00956

FRS (Facility Registry Service) ID: 110064658712

EPA Region: 02

Latitude: 18.378706

Longitude: -66.161458

Locational Data Source: RCRAINFO

Industries: Health and Personal Care Retailers

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000025197)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110064658712					N	18.378706	-66.161458
RCRAInfo	RCRA	PRR000025197	VSQG	Active (H)			N	18.378706	-66.161458

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110064658712	WALGREENS #380	4699 RR 5, BAYAMON, PR 00956	Bayamón Municipio
RCRAInfo	RCRA	PRR000025197	WALGREENS #380	4699 RR 5, BAYAMON, PR 00956	Bayamón Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000025197	456110	Pharmacies and Drug Retailers

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
---------	-----------	--------	---------------	----------------------------	-------------	------	-------------------------

No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy
<<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results
<<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000025197	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRR000025197)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
---------	--------	-----------	----------------	-------------	------

No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
-------	--------------	--------------------	----------------------	-----------------	-----------------------	--------------------	----------------	----------------------	----------------	-----------

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
-----------	-----------------------------------	---	---------------------------------	---

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 3/1/2025)

Source ID	Waste Description	2022	2023	2024	2025
PRR000025197	Hazardous Waste	46 - 47	76 - 78	143 - 144	--
PRR000025197	Acute Hazardous Waste	0 - 1	0 - 2	1 - 2	--
PRR000025197	Pharmaceutical Hazardous Waste	0 - 1	0 - 2	0 - 1	--

“Pharmaceutical Hazardous Waste” refers to quantities managed under 40 CFR part 266 subpart P and thus excluded from the Hazardous and Acute Hazardous Waste quantities shown above.

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfp-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	30,773	Children 5 years and younger	1,393 (5%)
Population Density	9,863/sq.mi.	Minors 17 years and younger	5,751 (19%)
Housing Units in Area	15,760	Adults 18 years and older	25,023 (81%)
Percent People of Color	100%	Seniors 65 years and older	7,383 (24%)
Households in Area	12,090	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	338	White	10,488 (34%)
Persons With Low Income	21,195	African-American	2,268 (7%)
Percent With Low Income	69%	Hispanic-Origin	30,572 (99%)
Geography		Asian	37 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.378706	American Indian	24 (0%)
Center Longitude	-66.161458	Other/Multiracial	7,872 (26%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	2,157 (9.62%)
Water Area	0%	9th through 12th Grade	1,753 (7.82%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	5,164 (23.02%)
Less than \$15,000	3,791 (31.36%)	Some College/2-year	4,650 (20.73%)
\$15,000 - \$25,000	2,109 (17.45%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,942 (26.49%)
\$25,000 - \$50,000	3,431 (28.38%)		

You are here: EPA Home <<https://epa.gov/>>>>**Cleanups** <<https://epa.gov/cleanups/>>>>**Cleanups In My Community (CIMC)**

CONTACT US <<https://www.epa.gov/cleanups/forms/contact-us>>

Property Details for Citgo Comerio

On this page:

- Profile Information
- Property Location
- Property Progress
- CAs Associated with this Property
- Assessment Activities at this Property
- Climate Adaption and Mitigation - Planning or Assessment
- Contaminants and Media
- Cleanup Activities
- Climate Adaption and Mitigation - Demolition or Cleanup
- Institutional & Engineering Controls
- Redevelopment and Other Leveraged Accomplishments
- Climate Adaption and Mitigation - Redevelopment
- Additional Property Attributes

Legal Notices <<https://www.epa.gov/cleanups/cimc-legal-notice>>

Profile Information

Property Alias

Property Owner **Private**

ACRES Property **334061**







ACRES Property ID **224001**
Property Address **400 Calle Comerio BAYAMON, PR 00959**
Size **.25**
Parcel Numbers
Latitude/Longitude **18.38291489856406 / -66.17176062698366**
Congressional District **1**
Property Contact **Devine, Alison**
Devine.Alison@epa.gov
212-637-4158

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Property Location

[Top of Page](#)

Property Progress

Assessment 
Clean Up 
Institutional Controls in Place 
Engineering Controls in Place 
Ready for Anticipated Use 
Redevelopment Underway 

[Top of Page](#)

CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
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R2 TBA - Puerto Rico (STAG Funded)	n/a	PR	TBA	2004
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Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$15,153.00	03/20/2015	09/14/2015	R2 TBA - Puerto Rico (STAG Funded)	Y	FY17

Is Cleanup Necessary? **Unknown**

EPA Assessment Funding: **\$15,153.00**

Leveraged Funding:

Total Funding: **\$15,153.00**

Top of Page

Climate Adaption and Mitigation - Planning or Assessment

There is no data for Climate Adaption and Mitigation - Planning or Assessment.

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Contaminants and Media

Contaminant Found

Media Affected

Ground Water
Soil

Remediating Action for Contaminants

Remediating Action for Media

NOT Cleaned up
NOT Cleaned up

[Top of Page](#)

Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:

Cleanup/Treatment Categories:

Addl Cleanup/Treatment info:

Address of Data Source:

[Top of Page](#)

Climate Adaption and Mitigation - Demolition or Cleanup

There is no data for Climate Adaption and Mitigation - Demolition or Cleanup.

[Top of Page](#)

Institutional and Engineering Controls

Indicate whether **U**
Institutional

institutional
Controls are re-
quired

Categories of
Controls

Additional
Institutional
Controls
Information

Address of Data
Source (URL if
available)

Are Institutional
Controls in Place

Date Institutional
Controls were put
in place

Indicate whether
Engineering
Controls are re-
quired

Categories of
Controls

Additional
Engineering con-
trols information

Address of Data
Source (URL if
available)

Indicate whether
Engineering
Controls are in
place

Date Engineering
Controls were put
in place

Top of Page

Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

Additional Property Attributes

Property Highlights

Former Use: Former operations under the fuel station brands Texaco (1960s-1970s), Citgo (2002-2005), V.R. Super Service (2008), and Total Petroleum (2013).

Predominant Past Usage **Commercial (.25)**

What types of funding are being used on this property?

State and Tribal Program Information

Date No Further Action Letter Received

Date Letter/ Signed Report Received from a Qualified Professional

Other Cleanup Documentation



Discover. Connect. Ask.

Accessibil
ity

Data.gov
Data

Contact
EPA



Appendix *: USFWS “No Effect” Memo and supporting documentations

Date: April 30, 2025

Applicant ID: PR-ESP-00217

Street Address: Marginal A-3 Urb Forest Hills Bay, Bayamon PR, 00960

Municipality: Bayamon

RE: No Effect Determination for PR-ESP-00217

Executive Summary

Section 7 of the Endangered Species Act (ESA) mandates that federal agencies ensure the actions that they authorize, fund, or carry out shall not jeopardize the continued existence of federally listed plants and animals or result in the adverse modification or destruction of designated critical habitat. Where their actions may affect resources protected by the ESA, agencies must consult with the Fish and Wildlife Service and/or the National Marine Fisheries Service ("FWS" and "NMFS" or "the Services").

This memo serves to document the proposed project, PR-ESP-00217, located at Marginal A-3 Urb Forest Hills Bay, Bayamon PR, 00960 (Parcel ID# 085-054-239-25-000) was reviewed in accordance with Section 7 of the Endangered Species Act of 1973 (16 USC 1536) as well as the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 *et seq.*) by a qualified Biologist, resulting in a 'No Effect' determination.

The CDBG-DR Energy Electrical Power Reliability and Resilience (ER2) Program's objective is to enhance electric system reliability, affordability, and resiliency through the development and interconnection of projects that qualify as electric system enhancements or improvements.

Project Description

The subject property is a Commercial building located in Bayamon, PR. The project scope includes the installation of a photovoltaic (solar) panel system and appurtenant storage system (batteries) on the existing commercial building's roof and will be built at Latitude: 18.385542, Longitude: -66.165115 (see Site Map at Appendix A, Figure 1). All improvements will be limited to the roof, floors, and walls of existing commercial buildings. The Field Observation Form and Environmental Screening Checklist depicting and clarifying the extent and location of project activities are included in Appendix B.

As indicated by the Official Species List obtained from the Information for Planning and Consultation (IPaC) system (Appendix C) and USFWS Critical Habitat data (Appendix A, Figure 2), the proposed project lies within the ranges of the following federally listed species and critical habitats:

Species	Status
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	Endangered

Critical Habitat
None.

Existing Conditions:

The area where the activities will be taking place consists of approximately 0.19-acres of land located at Marginal A-3 Urb Forest Hills Bay, Bayamon PR, 00960. According to the U.S. Geological Survey National Land Cover Database (NLCD) (Appendix A, Figure 4) the majority of the project area consists of high intensity developed land. A structure matching project orientation and footprint is present on 1962 Earth Explorer but absent from 1930 municipality imagery. Year build date circa 1955. A topographic map is included (see Appendix A, Figure 3). The project is located in Zone X on the FEMA Flood map and ABFE map, panel number 72000C0345J dated 11/18/2009 (see Flood Map Appendix A, Figure 5 and ABFE map Appendix A, Figure 6). A Preliminary FIRM has not been developed for this area. There is a mapped NWI riverine, according to the Wetland Maps a riverine is 1,236 feet southeast where the commercial building is located. The project activities will not occur within a natural or manmade wetlands and no direct or indirect impacts are anticipated as a result of the project activities (see wetlands map Appendix A, Figure 7).

Effect Determination:

Based on a review of site photos and other information gathered during a site visit on March 14, 2025, none of the species listed above were observed in the vicinity of the proposed project activities and no critical habitat was identified within the proposed project area. Having carefully analyzed the project site and the information available, including the IPaC species list and available Dkey(s), critical habitat data, nature of the project, previous site disturbance, and scope of project activities, the following effect determinations have been made:

Species	Effect Determination	Conservation Measures to be Implemented (if needed)
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	No Effect	None required

SPECIES ANALYSIS

Puerto Rican Boa (*Chilabothrus inornatus*)

Considered to be a habitat generalist, the Puerto Rican Boa tolerates a wide variety terrestrial and arboreal habitat, including rocky areas, haystack hill, trees and branches, rotting stumps, caves, plantations, various types of forested areas such as karst and mangrove forests, forested urban and rural areas, and along streams and road edges. The IPaC Determination Key (Dkey) for the Puerto Rican Boa, dated April 29, 2025, was used to evaluate the potential impacts to federally listed species from this project. Based on the Dkey responses, it was determined that the proposed project will have 'No Effect' on the Puerto Rican Boa (Appendix C).

If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask them to relocate the Boa.



Patricia Carmenatty / Senior Biologist

April 30, 2025

Date

Appendix A: Figures

Luis Pizza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

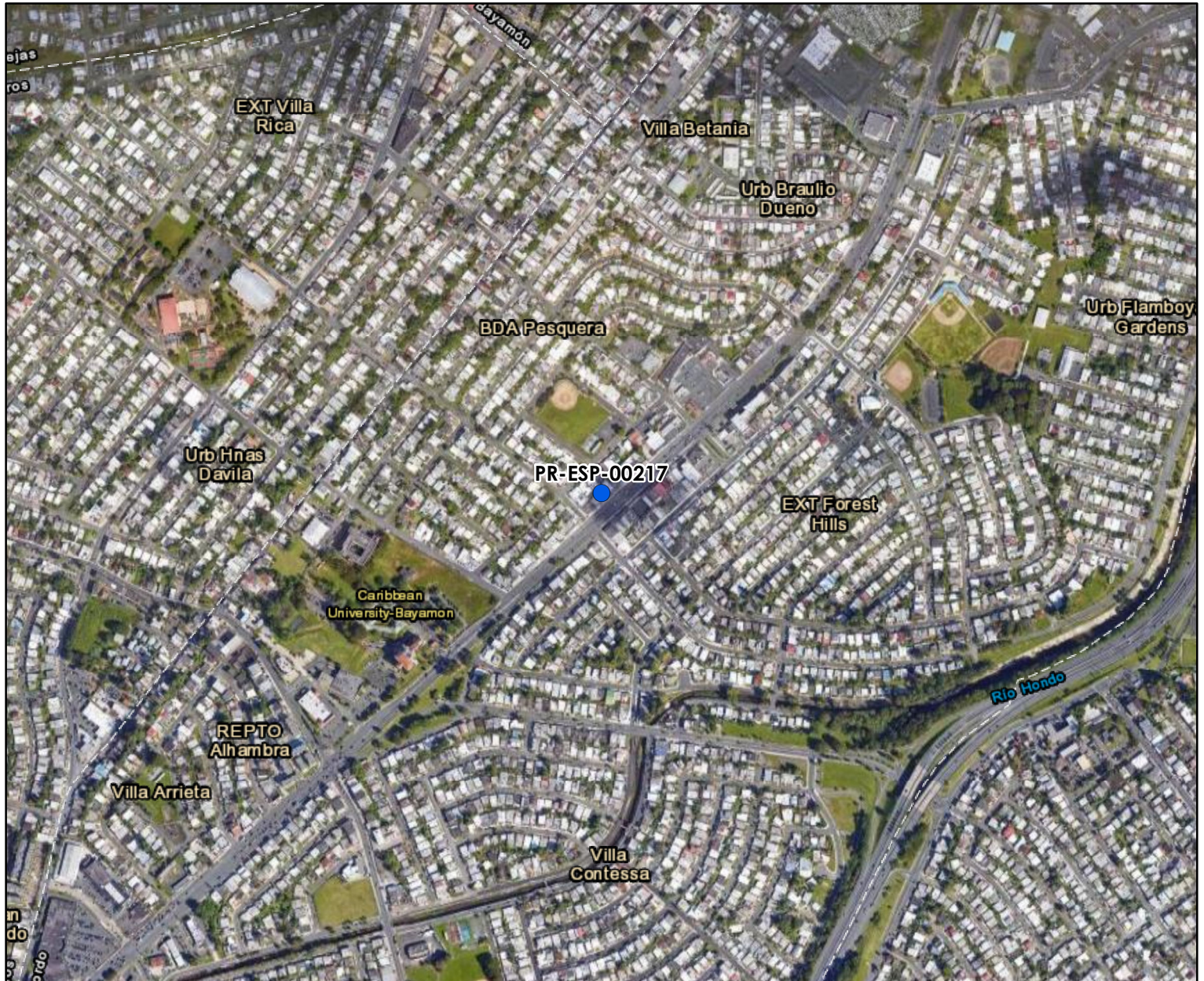
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 1

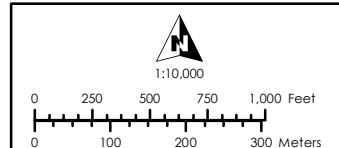
Location: Aerial Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

● PR-ESP-00217



Service Layer Credits:

Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

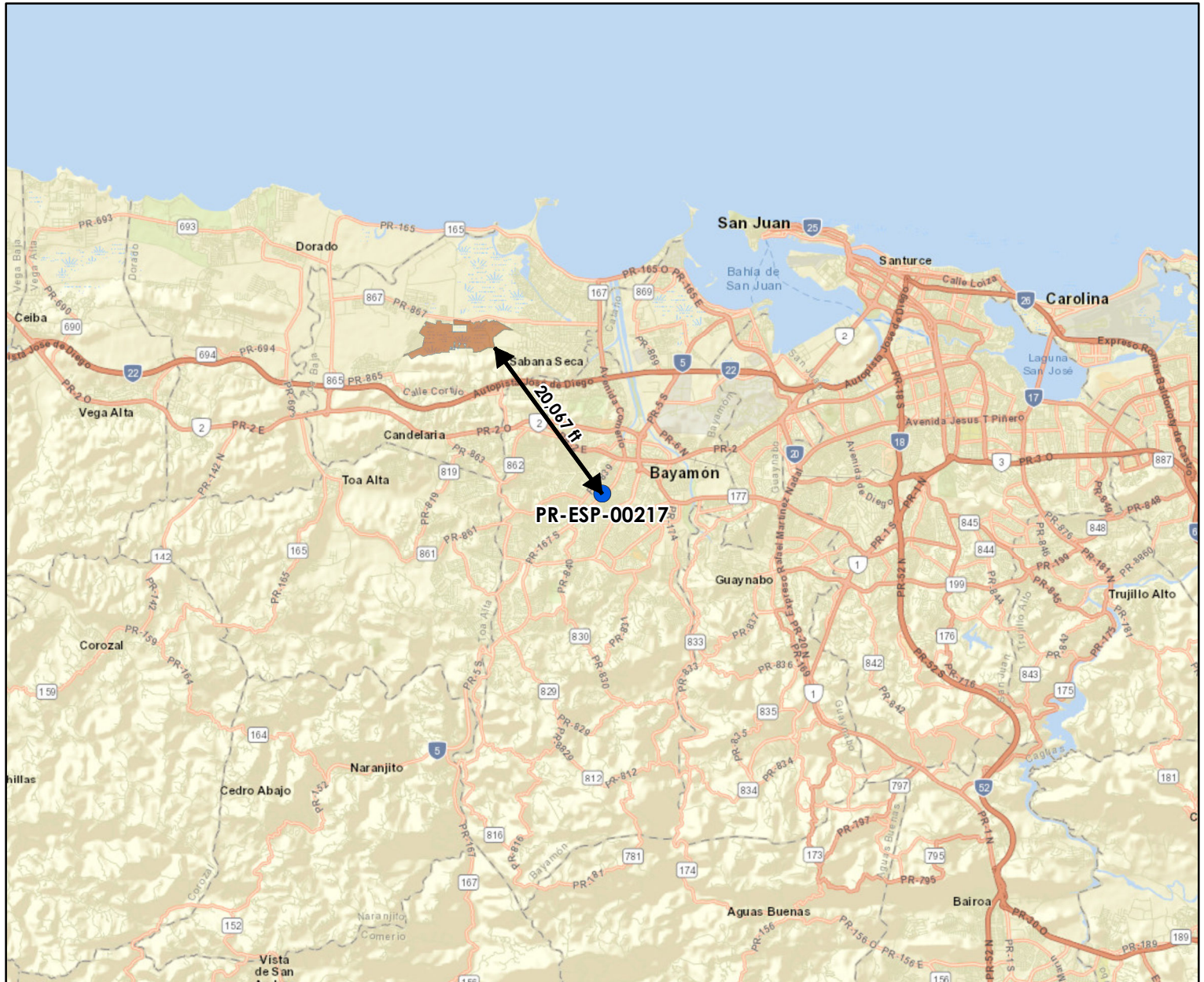
Source:

Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

Figure 2

Threatened and Endangered Species Map

Electrical Power Reliability and Resilience Program (ER2)

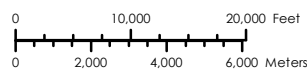


Legend:

- PR-ESP-00217
- Critical Habitat



1:200,000



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

NOAA Office of Response and Restoration
<https://response.restoration.noaa.gov/>

Figure 3

Location: Topographic Map

Electrical Power Reliability and Resilience Program (ER2)

Luis Piza Palace

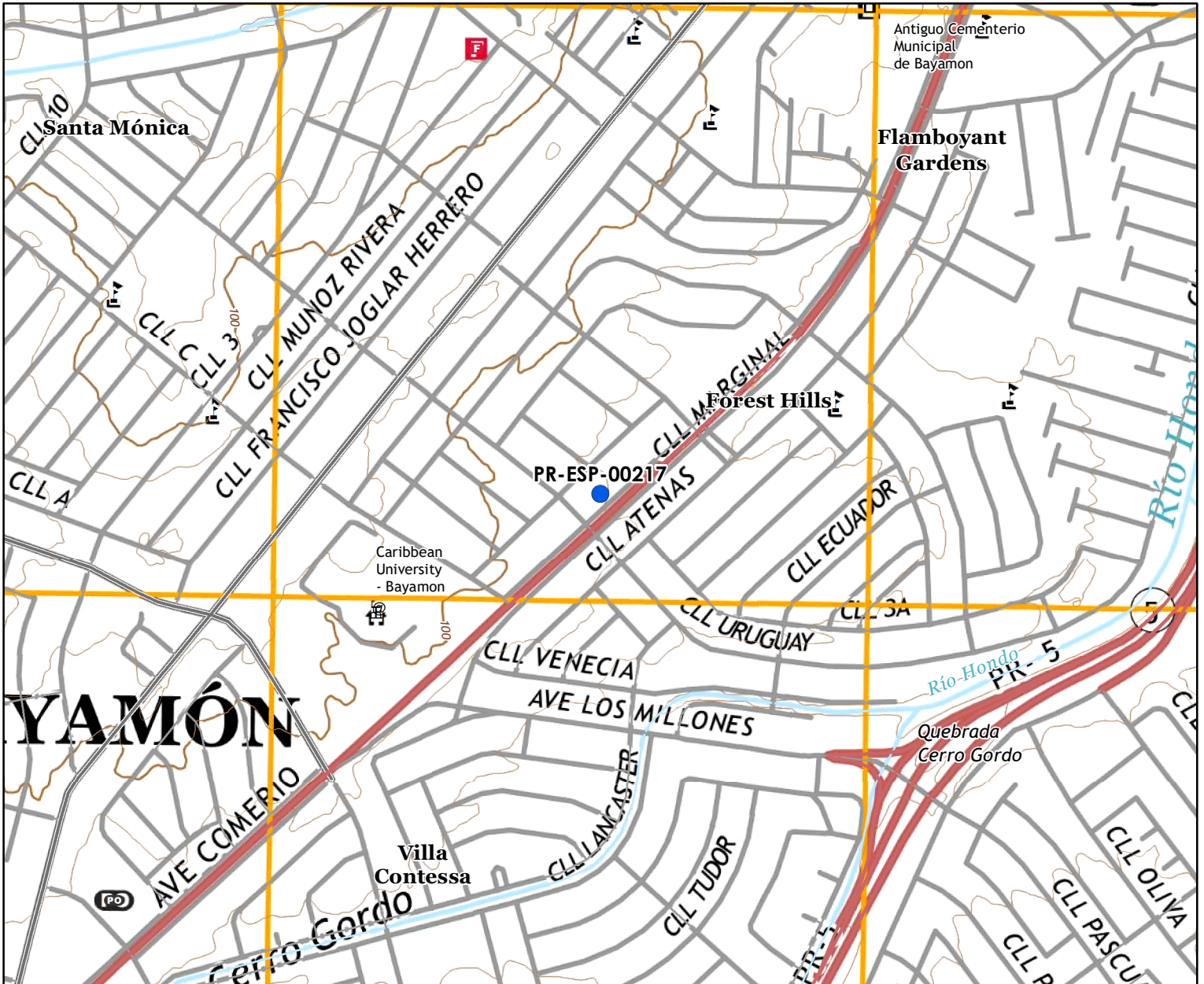
Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

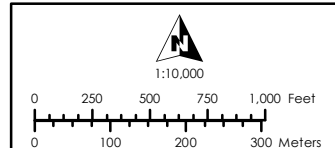


Legend:

● PR-ESP-00217

— Elev_Contour

Quadrangle: Bayamón



Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

Luis Pizza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

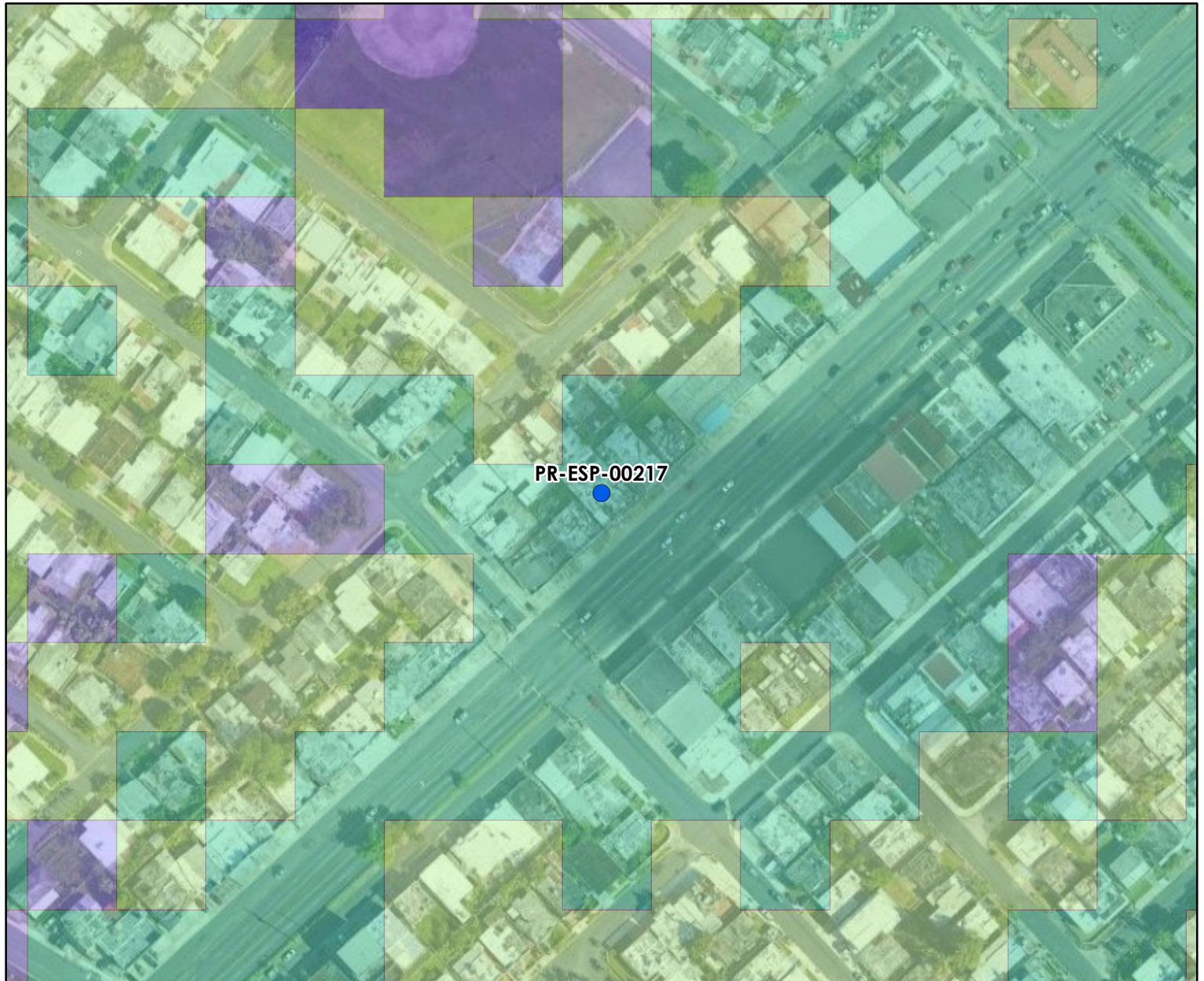
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 4

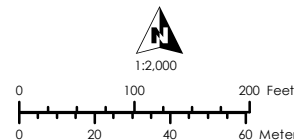
Land Cover Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- PR-ESP-00217
- Developed Open Space
- High Intensity Developed
- Low Intensity Developed
- Medium Intensity Developed



Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Multi-Resolution Land Characteristics (MRLC) Consortium
<https://www.mrlc.gov/viewer/>

Luis Piza Palace

Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

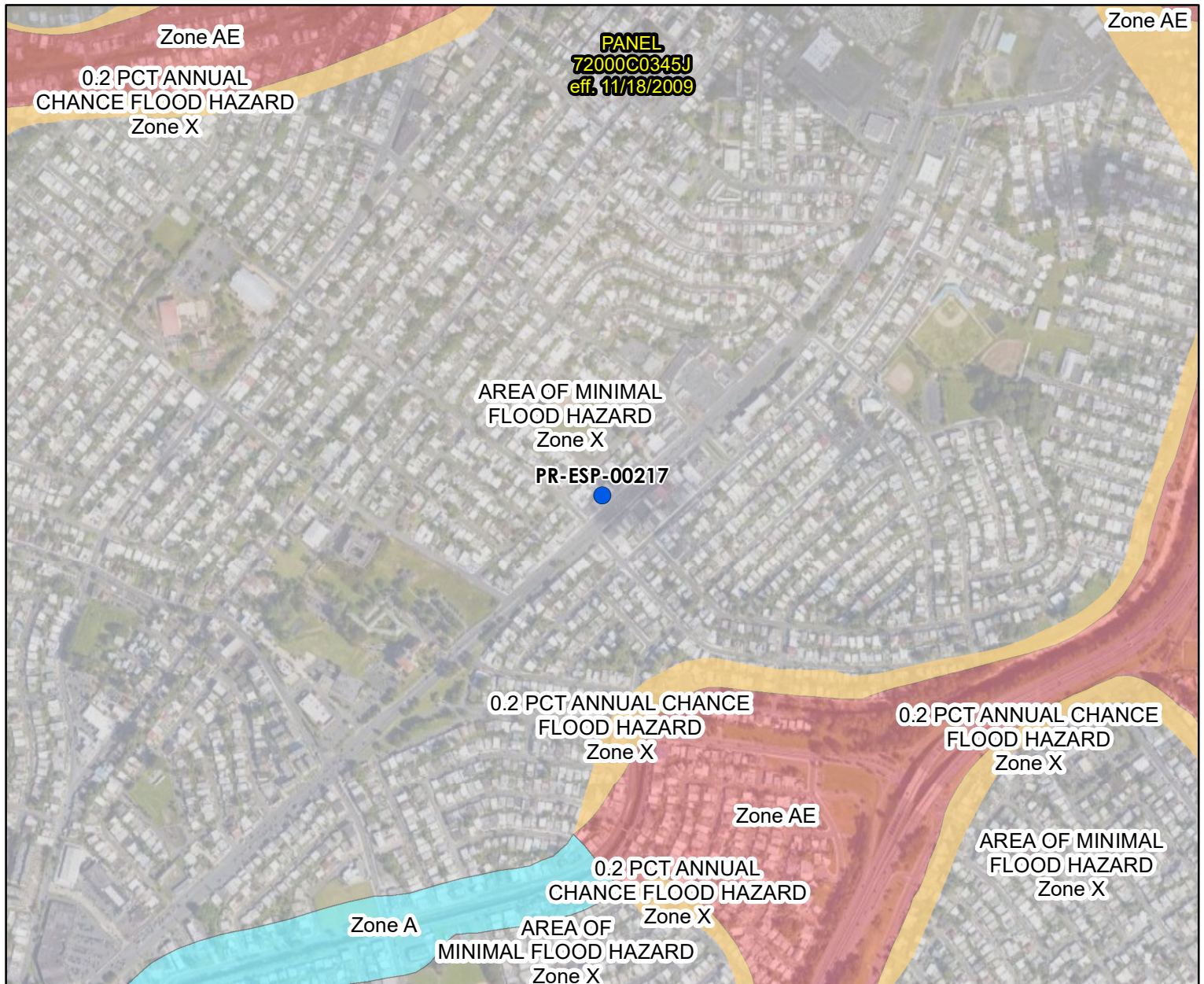
Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

Figure 5

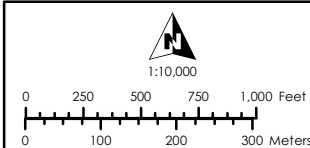
Flood Insurance Rate Map

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- | | |
|---|--|
| ● PR-ESP-00217 | Zone A |
| FIRM Panel | Zone AE |
| Floodway | Zone AH |
| 0.2% Annual Chance Flood Hazard | Zone AO |
| Zone D Area of Undetermined Flood Hazard | Zone VE |
| | Zone X |



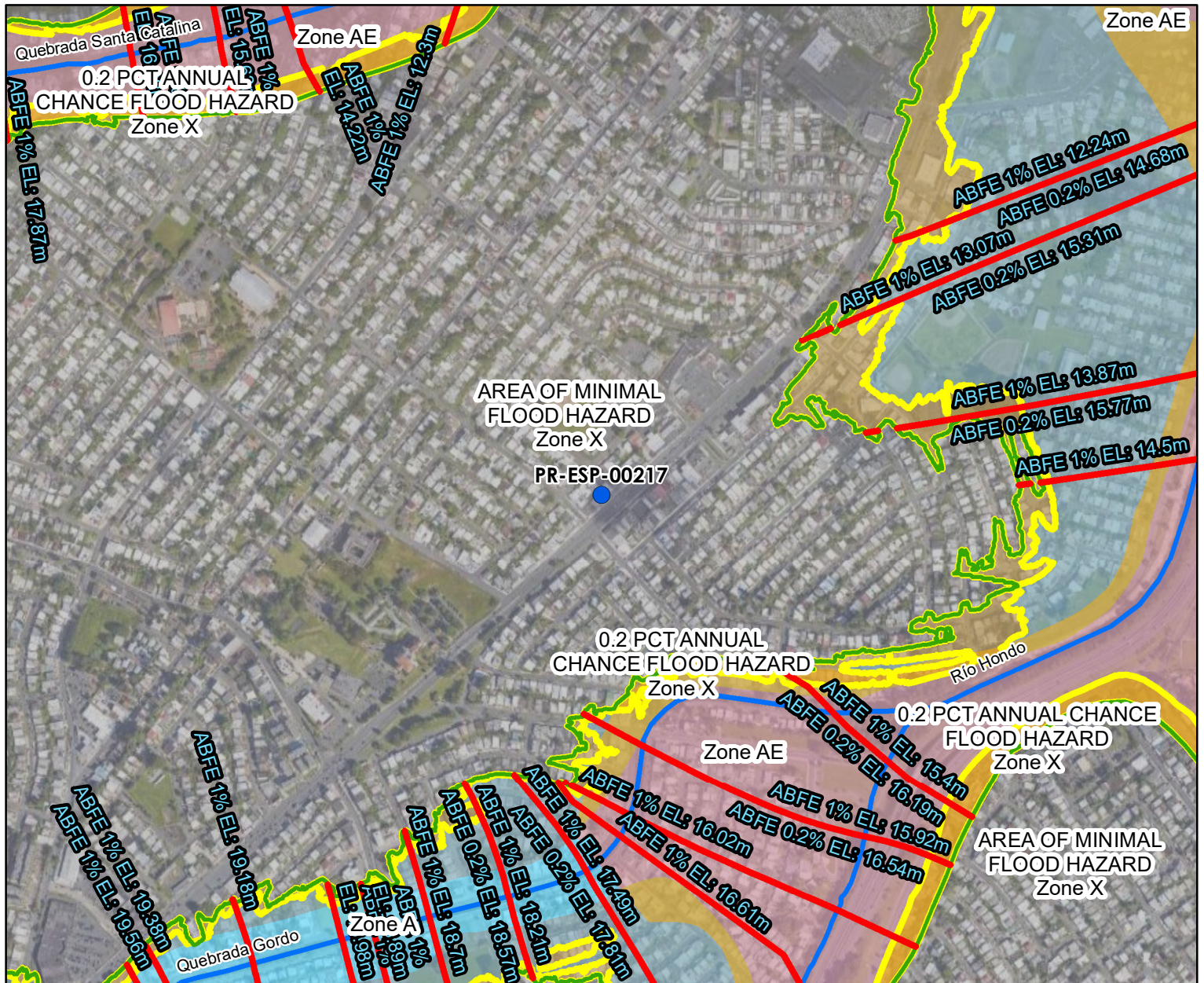
Service Layer Credits:
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
 Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>

Figure 6

Advisory Base Flood Elevation Map

Electrical Power Reliability and Resilience Program (ER2)

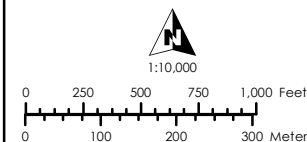


Legend:

- PR-ESP-00217
- Area Potential Effect (Building Footprint)
- CRIM-Parcel
- Advisory Base Flood Elevations (ABFE)
- 0.2 % Annual Chance Flood
- 1 % Annual Chance Flood

Flood Zone

- Zone A
- Zone AE
- Zone AO
- Zone VE
- Zone X - Area of Minimal Flood Hazard
- 0.2 % Annual Chance Flood
- Floodway



Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Federal Emergency Management Agency (FEMA),
<https://gis-r2-fema.hub.arcgis.com/>
Junta de Planificación de Puerto Rico (JP), <https://maps.jp.pr.gov/>
Mapas de Niveles de Inundación Base Recomendados

Figure 7

Wetlands Map

Electrical Power Reliability and Resilience Program (ER2)

Luis Pizza Palace

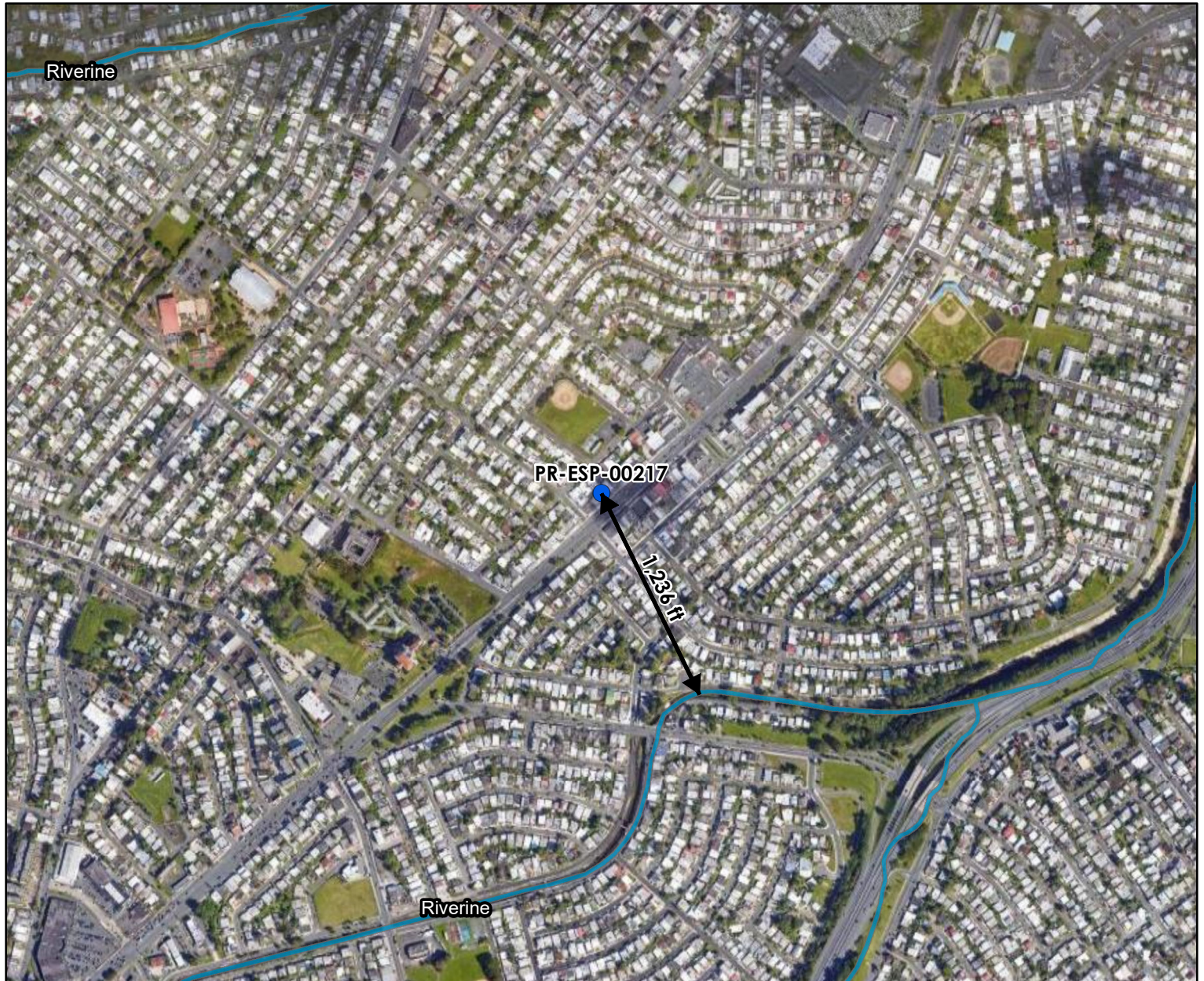
Marginal A-3

Urb. Forest Hills Bay,

Bayamón, PR 009606

Catastro: 085-054-239-25-000

Lat: 18.385542, Lon: -66.165115

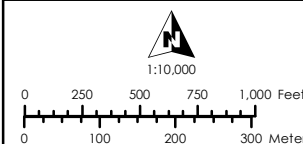


Legend:

● PR-ESP-00217

National Wetlands Inventory

	Estuarine and Marine Deepwater		Freshwater Pond
	Estuarine and Marine Wetland		Lake
	Freshwater Emergent Wetland		Riverine
	Freshwater Forested/Shrub Wetland		



Service Layer Credits:
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
 U.S. Fish and Wildlife Service - National Wetlands Inventory
<https://www.fws.gov/program/national-wetlands-inventory>

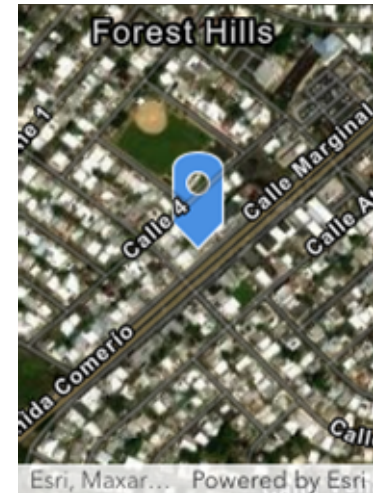
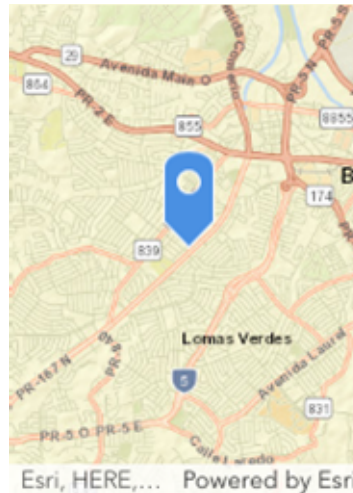
Appendix B: Field Observation Form and Environmental Screening Checklist



Environmental Field Assessment Form - PR-ESP-00217

APPLICANT/LOCATION INFORMATION

Applicant ID:	PR-ESP-00217
Applicant Name:	Luis Pizza Palace
Parcel ID:	085-054-239-25-000
Coordinates:	18.385542, -66.165115
Street Address:	MARGINAL A-3 URB FOREST HILLS BAY
Municipio:	Bayamon
Zip Code:	00960
Site Inspector:	Egon Gonzalez
Date of Visit:	March 14, 2025
Time of Visit:	13:27
Year Built:	circa 1955



Building Information

Question	Answer	Notes
1. Location verified:	Yes	18.385542, -66.165115
2. Is the building correct on GIS?	Yes	Building is correct on GIS
3. Building Type:	Commercial/ Residential	
4. # of Stories:	2	
5. Building Foundation:	Concrete Slab	
6. Is the building in use?	Yes	Building is in use
7. Does the building have a detached garage / carport present?	No	
8. Is the electricity connected?	Yes	Electricity is connected
9. Is the water connected?	Yes	Water is connected
10. Are there signs of poor housekeeping on site? (mounds of rubble, garbage, storm debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, electrical equipment etc.)	No	
11. Is a septic system present? If Yes report apparent condition.	No	
12. Are there any obvious signs of animals, birds nesting or burrows near the site?	No	



Parcel Conditions		
Question	Answer	Notes
1) Are there any 55-gallon drums visible on site? If yes, are they leaking?	Yes	(1) 55gal Drum used to store used cooking oil and (1) 55gal Drum is empty. Both are located at back of structure, (2) 55gal Drums with diesel located on left side of structure
2) Are there any (or signs of any) underground storage tanks on the property?	No	
3) Are there signs of AST on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	Yes	200gal Diesel tank for generator located on left side of structure, (3) 300lbs Propane tanks located at back of structure, 1000gal water cistern located on roof of structure, 200gal water cistern located at back of structure.
4) Is there any stained soil or pavement on the parcel?		
5) Are there any potentially hazardous trees that could fall?		
6) Are there any groundwater monitoring wells on the site or adjacent parcel?	No	
7) Is there distressed vegetation on the parcel?		
8) Are any additional environmental or non-environmental site hazards observed?		
9) Is there any permanent standing water, such as a pond or stream, located on the site(do not include ponding from recent rain / weather events)?	No	
10) Does the subject property have water frontage?	No	
11) Is the applicant aware of any significant historical event or persons associated with the structure, or of it being located in a historic district/ area?	No	
12) Is a historic marker present?	No	
13) Based on the above finding, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	



Building Environmental Conditions

Question	Answer	Notes
1. Is there any visible evidence of asbestos, chipping, and flaking or peeling paint, or hazardous materials present in or on the structure?	No	
2. Is there any visible indication of mold?	No	
3. Are there any pungent, foul or noxious odors?	No	

Additional Needs Analysis

Question	Answer	Notes
Based on the above findings, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	

☒ I verify that I have physically visited this property and that the findings outlined above are accurate.

Inspector Signature

Egon Gonzalez

March 14, 2025



Front of Structure

Photo Direction: Northwest

Comments:



Facing Away from Front

Photo Direction: Southeast

Comments:



Side #1 of Structure

Photo Direction: North

Comments:



Facing Away From Side #1

Photo Direction: West

Comments:



Back of Structure

Photo Direction: South

Comments:



Facing Away from Back

Photo Direction: North

Comments:



Side #2 of Structure

Photo Direction: Northwest

Comments:



Facing Away from Side #2

Photo Direction: North

Comments:



Streetscape #1

Photo Direction: Northeast

Comments:



Streetscape #2

Photo Direction: Southwest

Comments:



Address

Photo Direction: Northwest

Comments:



Architectural Details 1

Photo Direction:

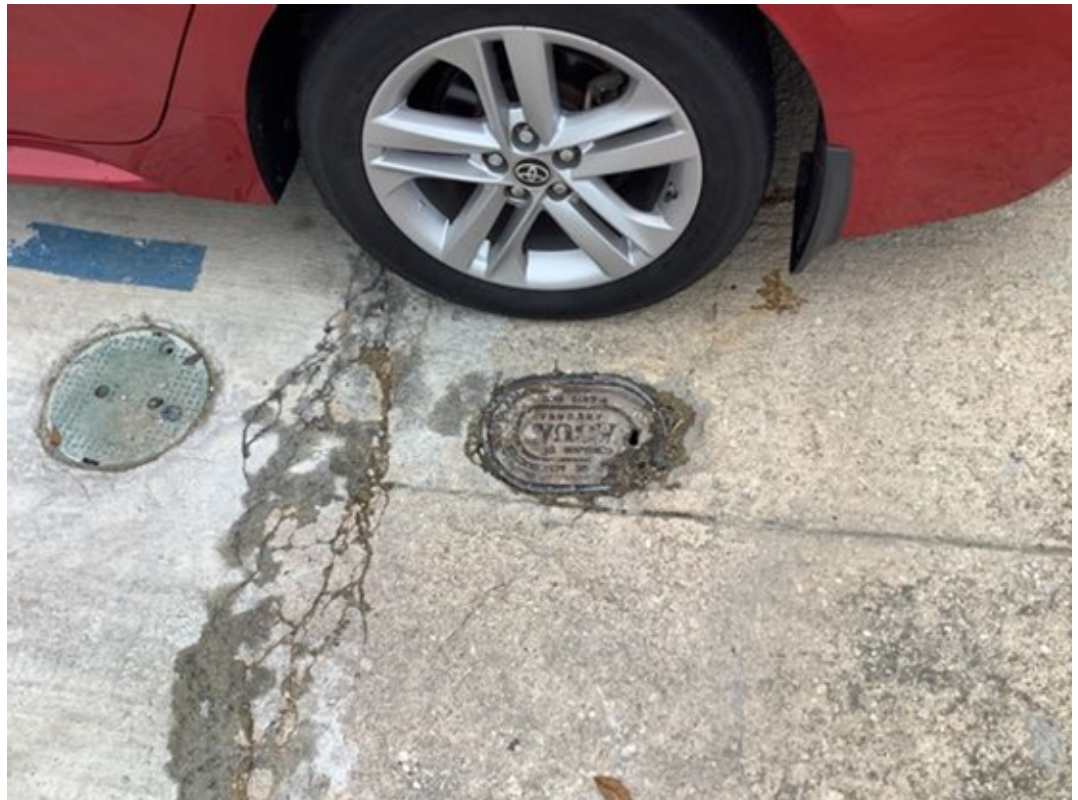
Photo Description: Electricity is connected



Architectural Details 2

Photo Direction:

Photo Description: Water is connected



Architectural Details 3

Photo Direction:

Photo Description: (3) 300lbs Propane tank located at back of structure



Architectural Details 4

Photo Direction:

Photo Description: General interior view



Architectural Details 5

Photo Direction:

Photo Description: General interior view



Architectural Details 6

Photo Direction:

Photo Description: 200gal Diesel tank located under generator at left side of structure



Architectural Details 7

Photo Direction:

Photo Description: 55gal drum to store used cooking oil located at back of storage



Architectural Details 8

Photo Direction:

Photo Description: 55gal Drum is empty and located at back of structure



Architectural Details 9

Photo Direction:

Photo Description: 200gal Water cistern is empty and located at back of structure



Architectural Details 10

Photo Direction:

Photo Description: 1000gal Water cistern located on roof of structure





Architectural Details 11

Photo Direction:

Photo Description: Roof of structure view



Architectural Details 12

Photo Direction:

Photo Description: Hazard: Electrical lines and communications cables are very close to roof of structure.



Architectural Details 13

Photo Direction:

Photo Description: Hazard: Electrical lines and communications cables are very close to roof of structure.



Architectural Details 14

Photo Direction:

Photo Description: (2) 55gal Drums with diesel located on left side of structure



Appendix C: Information for Planning and Consultation (IPaC) system



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:

04/29/2025 12:55:24 UTC

Project Code: 2025-0089436

Project Name: PR-ESP-00217

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

THE FOLLOWING SPECIES LIST IS NOT A SECTION 7 CONSULTATION. PLEASE CONTACT OUR OFFICE TO COMPLETE THE CONSULTATION PROCESS

The purpose of the Endangered Species Act (Act) is to provide a means whereby threatened, and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect those species and/or their designated critical habitat.

Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". The enclosed species list provides information to assist with the U.S. Fish and Wildlife Service (Service) consultation process under section 7 of the Act. However, **the enclosed species list does not complete the required consultation process**. The species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitats, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. A discussion between the Federal agency and the Service should include what types of listed species may occur in the proposed action area and what effect the proposed action may have on those species. This process initiates informal consultation.

Once a species list is obtained for the proposed project, an effect determination for endangered and threatened species should be made. The applicant could make an effect determination by using available keys on IPaC for specific species. For species with no determination keys, the applicant should request concurrence from the Service by sending a project package

to caribbean_es@fws.gov. To obtain guidance for completing this process and the minimum requirements for project packages, please visit:

<https://www.fws.gov/sites/default/files/documents/consultation-under-section-7-of-the-endangered-species-act-with-the-caribbean-ecological%20Services-field-office-template-letter.pdf>

When a federal agency, after discussions with the Service, determines that the proposed action is not likely to adversely affect any listed species, or adversely modify any designated critical habitat, and the Service concurs, the informal consultation is complete, and the proposed project moves ahead. If the proposed action is suspected to affect a listed species or modify designated critical habitat, the Federal agency may then prepare a Biological Assessment (B.A.) to assist in its determination of the project's effects on species and their habitat. However, a B.A. is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a B.A. where the agency provides the Service with an evaluation on the likely effects of the action to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a B.A. are described at 50 CFR 402.12.

If a federal agency determines, based on its B.A. or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to further consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation process. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species.

This list is provided pursuant to Section 7 of the Endangered Species Act and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". Please use this list to determine whether your project requires consultation and to make your effects determination. For more guidance, use the Guideline for Consultation under Section 7 of the Endangered Species Act with the Caribbean Ecological Services Field Office by clicking [here](#).

This species list is provided by:

Caribbean Ecological Services Field Office

caribbean_es@fws.gov

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Caribbean Ecological Services Field Office

Post Office Box 491

Boqueron, PR 00622-0491

(939) 320-3135

PROJECT SUMMARY

Project Code: 2025-0089436

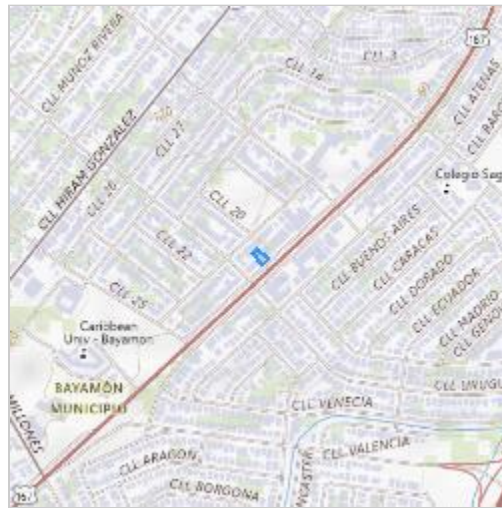
Project Name: PR-ESP-00217

Project Type: Power Gen - Solar

Project Description: Luis Pizza Palace / Commercial Building

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.38556055,-66.16512238459646,14z>



Counties: Bayamón County, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

REPTILES

NAME	STATUS
<p>Puerto Rican Boa <i>Chilabothrus inornatus</i></p> <p>No critical habitat has been designated for this species.</p> <p>Species profile: https://ecos.fws.gov/ecp/species/6628</p> <p>General project design guidelines:</p> <p>https://ipac.ecosphere.fws.gov/project/OWBBLLLROVB4NPY2PKFF7T34GE/documents/generated/7159.pdf</p>	Endangered

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

-
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
 2. The [Migratory Birds Treaty Act](#) of 1918.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

BALD & GOLDEN EAGLES INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED. PLEASE CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

MIGRATORY BIRD INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED. PLEASE CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Patricia Carmenatty
Address: Perseo St. 554 Cond. Iberia Suite J-3
City: San Juan
State: PR
Zip: 00920
Email: patricia.carmenatty@byaea.com
Phone: 7877830290



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:

04/29/2025 13:22:19 UTC

Project code: 2025-0089436

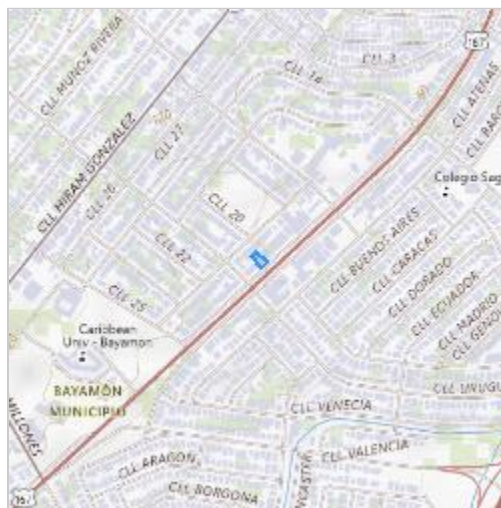
Project Name: PR-ESP-00217

Subject: Technical Assistance letter for the project named 'PR-ESP-00217' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On April 29, 2025, Patricia Carmenatty used the Caribbean DKey; dated January 03, 2025, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-ESP-00217'. The project is located in Bayamón County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.38556055,-66.16512238459646,14z>



The following description was provided for the project 'PR-ESP-00217':

Luis Pizza Palace / Commercial Building

Based on your answers and the assistance of the Service's Caribbean DKey, you determined the proposed Action will have "No Effect" on the following species:

Species	Listing Status	Determination
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	Endangered	No effect

Thank you for informing the Service of your "No Effect" determination(s) for this project. No further consultation/coordination for this project is required for these species. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

This letter serves as documentation of your consideration of the federally listed species as required under section 7 of the ESA. However, effects to the other federally listed species or critical habitat as listed below from the "IPaC print-out for the project" (see below) should be considered as part of your ESA review for the project.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a "No Effect" (NE) determination for Federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NE concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

Note: Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species.** If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean_es@fws.gov) to determine whether the consultation needs to be reinitiated.

If the proposed project is located within species range where a DKey has not been developed for those species, please follow the established guidance for initiating section 7 consultation Caribbean Ecological Services Field Office.

We appreciate your interest in protecting endangered species and their habitats. It is the Service's mission to work with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of our people. If you have any questions or require additional information, please contact our office at Caribbean_es@fws.gov.

QUALIFICATION INTERVIEW

1. Is the proposed project an EPA Multi-Sector General Permit (MSGP) renewal for an existing project? ([MSGP Fact Sheet](#))

No

2. Is the proposed project within an urban developed area? (i.e., cities, downtowns, shopping malls etc.)

Note: Urban and developed areas has one or more of the following characteristics: Presence of existing buildings, residential areas, and commercial establishments. Well-established infrastructure including roads, utilities, and urban facilities. High population density. Established neighborhoods and urban amenities ("urbanizaciones"). Developed landscape with paved surfaces, parking lots, and industrial areas. Signs of human activity and urbanization, such as shopping centers and recreational facilities. Location within the boundaries of a city or town ("casco urbano"). High concentration of built-up structures and limited open spaces. Aerial imagery might be requested to the applicant. .

Yes

3. [Hidden Semantic] Does the proposed project intersect the Puerto Rican boa area of influence?

Automatically answered

Yes

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Patricia Carmenatty
Address: Perseo St. 554 Cond. Iberia Suite J-3
City: San Juan
State: PR
Zip: 00920
Email: patricia.carmenatty@byaea.com
Phone: 7877830290

Appendix D: USFWS Species Analysis



U.S. FISH AND WILDLIFE SERVICE CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

Conservation Measures for the Puerto Rican boa (*Chilabothrus inornatus*)

Section 7 (a)(1) of the Endangered Species Act (ESA) charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies, through consultation with the U.S. Fish and Wildlife Service (Service), to ensure their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats. Section 7 applies to the management of Federal lands as well as Federal actions that may affect federally listed species, such as Federal approval of private activities through the issuance of Federal funding, permits, licenses, or other actions. Any person that injures, captures, or kills a Puerto Rico boa is subject to penalties under the ESA. If Federal funds or permits are needed, the funding or permitting agency should initiate Section 7 consultation with the Service. To initiate a consultation under the Section 7 of the ESA, you must submit a project package with the established minimum requirements. These conservation measures should be incorporated into the project plans to minimize possible impacts to the species.

The endangered Puerto Rican (PR) boa (*Chilabothrus inornatus*, formerly *Epicrates inornatus*) is the largest endemic snake species that inhabits Puerto Rico. The PR boa is non-venomous and does not pose any life threatening danger to humans, but some individuals may try to bite if disturbed or during capture or handling. Its body color ranges from tan to dark brown with irregular diffuse marking on the dorsum, but some individuals lack marking and are uniformly dark. Juveniles may have a reddish color with more pronounced markings. In general, as they mature, their body color tends to darken.



The PR boa was federally listed in 1970. Currently, the species has an island-wide distribution and occurs in a wide variety of habitat types, ranging from wet montane to subtropical dry forest and can be found from mature forest to areas with different degrees of human disturbance such as roadsides or houses, especially if near their habitat in rural areas. The PR boa is considered mostly nocturnal, remaining less active, concealed or basking under the sun during the day.

The Service has developed the following conservation measures with the purpose of assisting others to avoid or minimize adverse effects to the PR boa and its habitat. These recommendations may be incorporated into new project plans and under certain circumstances into existing projects. Depending on the project, additional conservation measures can be implemented besides the ones presented in this document.

Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.
2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.
3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or project personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.
4. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #5). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: (787) 724-5700, (787) 230-5550, (787) 771-1124). **If immediate relocation is not an option, project-related activities at that area must stop until the boa moves out of harm's way on its own.** Activities at other work sites, where no boas have been found after surveying the area, may continue.
5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

6. If a PR boa is captured by PRDNER personnel, record the name of that person and information on where the PR boa will be taken. This information should be reported to the Service.
7. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal, and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #4). If not possible, the animal should be left alone until it leaves the vehicle on its own.
8. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
9. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #5). If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.
10. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

If you have any questions regarding the above conservation measures, please contact the Service:

- José Cruz-Burgos, Endangered Species Program Coordinator
 - Email: jose_cruz-burgos@fws.gov
 - Office phone (305) 304-1386
- Jan Zegarra, Fish and Wildlife Biologist
 - Email: jan_zegarra@fws.gov
 - Office phone (786) 933-1451

Appendix 7: SECTION 106 CONSULTATION PACKAGE



OFICINA ESTATAL DE

CONSERVACIÓN HISTÓRICA

GOBIERNO DE PUERTO RICO

Executive Director | Carlos A. Rubio Cancela | carubio@prshpo.pr.gov

Tuesday, June 17, 2025

Kristin Sanders

Historic Preservation Manager

269 Avenida Ponce de León, San Juan, PR, 00917

SHPO-CF-06-04-25-01 PRDOH CDBG-DR_ESP Program_20250604_17
Improvements_NHPA

Dear Ms. Sanders,

Our Office has received and reviewed the above referenced project in accordance with 54 U.S.C. 306108 (commonly known as Section 106 of the National Historic Preservation Act) and 36 CFR Part 800: Protection of Historic Properties.

Our records support your finding of "no historic properties affected" within the following properties' Area of Potential Effects (APE):

Aguadilla PR-ESP-00208 Bo. Caimital Abajo Carr 2 Km 121.6

Aibonito PR-ESP-00132 Carretera 14 Km 46.7 Bo. Asomante

Bayamón PR-ESP-00154 Ave. Santa Juanita AK6 Urb. Santa Juanita

Bayamón **PR-ESP-00217** MARGINAL A-3 URB FOREST HILLS BAY

Bayamón PR-ESP-00230 URB MIRAFLORES 3-9 CALLE 2

Bayamón PR-ESP-00362 REPARTO TERESITA AL-2 CALLE 23

Caguas PR-ESP-00128 Ave Gautier Benitez B-13 Urb Villa Carmen

Lajas PR-ESP-00119 Carr 303 Km 3.2 Bo. Olivares

Lajas PR-ESP-00212 CARR 102 KM 17.2 INT SECTOR PALMER #8

Manatí PR-ESP-00139 1 D2 Villa Maria

Moca PR-ESP-00229 CARR 125 KM 3.5

San Juan PR-ESP-00125 V3-22 AVE SAN ALFONSO

San Juan PR-ESP-00200 Urb Monte Carlos 1265 Ave Monte Carlos

San Juan PR-ESP-00257 773 AVE SAN PATRICIO

San Juan PR-ESP-00264 CALLE 15 1265 EXT SAN AGUSTIN

San Juan PR-ESP-00356 1727 Avenida Jesus T. Pinero

Villalba PR-ESP-00149 CARR. 149 ESQUINA BORINQUEN #44

If you have any questions regarding our comments, please do not hesitate to contact our Office.



OFICINA ESTATAL DE
CONSERVACIÓN HISTÓRICA
OFICINA DEL GOBERNADOR

STATE HISTORIC
PRESERVATION OFFICE
OFFICE OF THE GOVERNOR

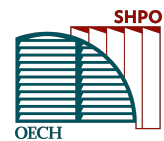
Sincerely,



Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/ SG



OFICINA ESTATAL DE
CONSERVACIÓN HISTÓRICA
OFICINA DEL GOBERNADOR

STATE HISTORIC
PRESERVATION OFFICE
OFFICE OF THE GOVERNOR

June 4, 2025

Carlos A. Rubio Cancela
Director Ejecutivo
Oficina Estatal de Conservación Histórica
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

PUERTO RICO DISASTER RECOVERY, CDBG-DR PROGRAM: ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)

SECTION 106 NHPA EFFECT DETERMINATION SUBMITTAL – SEVENTEEN (17) NON-HISTORIC CASE(S) – *NO HISTORIC PROPERTIES AFFECTED*

Dear Architect Rubio Cancela,

In accordance with Section 106 of the National Historic Preservation Act and its implementing regulations, 36 CFR Part 800, HORNE is providing information for your review and requesting your concurrence regarding the above-referenced projects on behalf of the Puerto Rico Department of Housing (PRDOH) and the Energy Power Reliability and Resilience/DDEC Energy Support Program (ESP). On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (Housing) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents.

The purpose of the ESP is to benefit Puerto Rican communities by funding projects that enhance electric system reliability, affordability, and resiliency. The Program's design will be carried out through the development and interconnection of microgrids and distributed energy resources, including renewable energy generation, combined heat and power (CHP) systems, photovoltaic systems (PVS), and battery storage systems (BSS), among other eligible project types.

On behalf of PRDOH, we are submitting the following seventeen (17) cases for Section 106 consultation as it cannot be cleared with Programmatic Agreement allowances. These cases consist of the installation of PV systems with battery backup systems. The prepared excel file presents all information for these properties for your review including the ESP Case ID, locational data, photographs, a link to the google map, key dates and supporting imagery, and the PRDOH Eligibility and Effect Determinations.

MUNICIPALITY	CASE ID	ADDRESS
Aguadilla	PR-ESP-00208	Bo. Caimital Abajo Carr 2 Km 121.6
Aibonito	PR-ESP-00132	Carretera 14 Km 46.7 Bo. Asomante
Bayamón	PR-ESP-00154	Ave. Santa Juanita AK6 Urb. Santa Juanita
Bayamón	PR-ESP-00217	MARGINAL A-3 URB FOREST HILLS BAY
Bayamón	PR-ESP-00230	URB MIRAFLORES 3-9 CALLE 2
Bayamón	PR-ESP-00362	REPARTO TERESITA AL-2 CALLE 23
Caguas	PR-ESP-00128	Ave Gautier Benitez B-13 Urb Villa Carmen
Lajas	PR-ESP-00119	Carr 303 Km 3.2 Bo. Olivares
Lajas	PR-ESP-00212	CARR 102 KM 17.2 INT SECTOR PALMER #8
Manatí	PR-ESP-00139	1 D2 Villa Maria
Moca	PR-ESP-00229	CARR 125 KM 3.5
San Juan	PR-ESP-00125	V3-22 AVE SAN ALFONSO
San Juan	PR-ESP-00200	Urb Monte Carlos 1265 Ave Monte Carlos
San Juan	PR-ESP-00257	773 AVE SAN PATRICIO
San Juan	PR-ESP-00264	CALLE 15 1265 EXT SAN AGUSTIN
San Juan	PR-ESP-00356	1727 Avenida Jesus T. Pinero
Villalba	PR-ESP-00149	CARR. 149 ESQUINA BORINQUEN #44

The properties are not individually eligible, listed in the National Register of Historic Places (NRHP) or located within or adjacent to an eligible or listed Historic District. A recommendation of "No Historic Properties Affected", pursuant to 36 CFR 800.4(d)(1), has been made for these proposed projects.

We look forward to your review and concurrence. Please contact me with any questions or concerns by email at kristin.sanders@horne.com or phone at 225-276-2109.

















Kindest regards,



Kristin P. Sanders

Historic Preservation Manager

Enclosures

<div><div><div><div>DEPARTMENT OF HOUSING</div><div>GOBIERNO DE PUERTO RICO</div></div></div><div><div>FUERTO RICO DEPARTMENT OF HOUSING CD9G-DR ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) IMPROVEMENTS TO NON-HISTORIC PROPERTIES: PROPERTIES 45 YEARS OR GREATER, NOT INDIVIDUALLY ELIGIBLE OR LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES (NRHP), AND NEITHER ADJACENT TO NOR LOCATED WITHIN AN ELIGIBLE OR LISTED NRHP HISTORIC DISTRICT PROPOSED UNDERTAKINGS CONSIST OF THE INSTALLATION OF PHOTOVOLTAIC SYSTEMS (PVS) AND A BATTERY STORAGE SYSTEMS (BSS) ON THE ROOF OF THE SUBJECT BUILDING SUBMISSION DATE: JUNE 4, 2025 - 17 CASES</div></div></div>																					
PROPERTY INFORMATION																					
CASE ID	STREET ADDRESS	MUNICIPALITY	PARCEL ID	LATITUDE	LONGITUDE	ACREAGE	ESTIMATE FUNDING	PHOTO (CURRENT AERIAL IMAGERY AND UP TO 3 PHOTOS: FRONT, RIGHT, LEFT)				LINK TO GOOGLE MAP	KEY DATES VERIFIED BY GOOGLE EARTH PRO, AERIAL PHOTO AND USGS MAPS	NATIONAL REGISTER ELIGIBILITY	PEPCON ELIGIBILITY DETERMINATION	SRPO CONCURRENCE (SRPO USE ONLY)	PEPCON EFFECT DETERMINATION	SRPO CONCURRENCE (SRPO USE ONLY)	PREPARED AND DATE / APPROVER AND DATE	SRPO COMMENTS	
PR-ESP-00204	CALLE 16 1385 EXT SAN AUGUSTIN	San Juan	087-045-849-11-012 / 087-045-849-12-000	18.393973	-66.028338	0.24	\$50,000					https://www.google.com/maps/@18.393973,-66.028338,15z	Circa 1950	Structure is present in 1952 aerial imagery (earliest imagery available)		ineligible	Select Eligibility	No Historic Properties Affected	Select Effect	Prepared by Jorge L Lizaral Pollock, PhD on 5/7/2025 and approved by Elizabeth Atkins, M.A./Susan Pouché, M.A. on 6/2/2025.	
PR-ESP-00356	1727 Avenida Jesús T. Piñero	San Juan	080-024-401-06-001	18.397422	-66.069553	0.09	\$31,317					https://www.google.com/maps/@18.397422,-66.069553,15z	Circa 1950	Structure is present in 1952 aerial imagery (earliest available imagery)		ineligible	Select Eligibility	No Historic Properties Affected	Select Effect	Prepared by Jorge L Lizaral Pollock, PhD on 5/7/2025 and approved by Elizabeth Atkins, M.A./Susan Pouché, M.A. on 5/9/2025.	
PR-ESP-00449	CALLE 145 ESQUINA BORNHOLM #44	Villalba	204-081-0351-09-001	18.127703	-66.494476	0.20	\$33,654					https://www.google.com/maps/@18.127703,-66.494476,15z	Circa 1972	Structure is present in 1977 aerial imagery but absent on 1967 aerial imagery.		ineligible	Select Eligibility	No Historic Properties Affected	Select Effect	Prepared by Jorge L Lizaral Pollock, PhD on 5/7/2025 and approved by Elizabeth Atkins, M.A./Susan Pouché, M.A. on 5/9/2025.	



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

April 30, 2024

Arch. Carlos A. Rubio Cancela

Executive Director

Puerto Rico State Historic Preservation Office

Cuartel de Ballajá, Third Floor

San Juan, Puerto Rico 00901

Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

The U.S. Department of Housing (HUD) approved the allocations of Community Development Block Grant (CDBG-DR) funds on February 9, 2018. It also approved the allocation of Community Development Block Grant Mitigation (CDBG-MIT) funds on January 27, 2020. The purpose of these allocations is to address unsatisfied needs as a result of Hurricanes Irma and Maria in September 2017; and to carry out strategic and high-impact activities to mitigate disaster risks and reduce future losses.

To comply with the environmental requirements established by HUD, the Department of Housing of Puerto Rico (PRDOH) contracted Horne Federal LLC to provide environmental review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs.

To expedite the processes, Horne Federal LLC, is authorized to submit to the State Historic Preservation Officer, documentation of projects related to both the CDBG-DR and CDBG-MIT on behalf of PRDOH.

Cordially,

Aldo A. Rivera Vázquez, PE

Director

Division of Environmental Permitting and Compliance

Office of Disaster Recovery