



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-00251 Laboratorio Clínico Innova Lab

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico / Yauco, PR

Preparer: Patricia Carmenatty, Environmental Specialist
Behar Ybarra & Associates LLC
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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. Cambrelén, 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: 54 Calle Mattei Lluberas, Yauco PR, 00698
Coordinates: 18.035800, -66.849850
Parcel cadastral: 361-074-057-05-001

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

The subject property is a commercial building located in Yauco, PR serving as a clinical laboratory. The project is located at 54 Calle Mattei Lluberas, Yauco PR, 00698, Latitude: 18.035800, Longitude: -66.849850. 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 primary road with access to the building is PR-375.

A field visit was conducted on March 6, 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 interior of the storage room, on the left-side wall of structure, with all improvements limited to the roof, floors, and walls of the existing structure. The proposed system includes 29 Solar Panels (400 Watts) and one Tesla Powerwall battery. 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: \$21,194.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$35,323.00

Privately funded by the applicant: \$14,129.00

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 ☐ ☒	The project site is not located within 2,500 ft of a civil airport or 15,000 ft of a military airport. The site is located 95,688 feet from the nearest civil airport, Mercedita International Airport in Ponce and 324,180 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 ☐ ☒	This project is not located in a CBRS Unit. The project is located 28,865 feet north of the nearest Coastal Barrier Resource System, PR-59. 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 ☐ ☒	As per FEMA's FIRM Panel 72000C1615H, effective April 19, 2005, 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		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No ☐ ☒	The project is not located in a nonattainment municipality of Puerto Rico (Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, Toa Baja). The structure is located in the Municipio of Yauco, and the project includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof, and appurtenant storage system (batteries) in the interior of the storage room, on the left-side wall. 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). The project is located 147,545 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. See attached published list of Puerto Rico Nonattainment/Maintenance Status for each country by year for all criteria pollutants in Appendix 4.

		Refer to Clean Air Map, Figure 5 included in Appendix 1.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No ☐ ☒	The project is located 17,665 feet from the nearest Coastal Zone Management Area and does not affect a Coastal Zone as defined in the state Coastal Management Plan. The project is in compliance with the Coastal Zone Management Act. Refer to CZMA map, Figure 6 included in Appendix 1.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No ☐ ☒	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 interior of the storage room, on the left-side wall of structure. The project site was evaluated for potential contamination by conducting a field inspection on March 6, 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. 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 twenty sites within 3,000 feet of the project area. Twelve sites are registered as RCRA facilities with no violation identified, one is registered as NPDES facility with an expired permit, one site as TRIS facility and seven are Brownsfield sites (ACRES) facilities 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. The sites within 3,000 feet of the project area are: • PR ARMY NATIONAL GUARD, REGISTRY ID: 110007813553, PR-127 KM 0.7 – RCRAINFO – The site is inactive. No violations identified, 1,148 feet • ESSO STANDARD OIL CO PR 2P-397, REGISTRY ID: 110012259616, 36 25 DE JULIO ST – RCRAINFO – The site is active. No violations identified, 893 feet • ESSO STANDARD OIL CO PR CO-402, REGISTRY ID: 110022478335, PR-128 KM 0.6 LA TROCHA FIN – RCRAINFO – The site is active. No violations identified, 1,870 feet • SHELL CO PR LTD SS 804347 YAUCO, REGISTRY ID: 110007819272, PR-376 KM 0.19 – RCRAINFO – The site is inactive. No violations identified, 2,550 feet • MUNICIPALITY OF YAUCO, REGISTRY ID: 110044243850, SANTIAGO BIBALDI STREET – NPDES – The site is inactive. Site permit is expired. Compliance Tracking Partially Off, 668 feet • ORAL-B LABS MANUFACTURING CORP OF PR, REGISTRY ID: 110002466581, PR-335 KM 0.4 – RCRAINFO – The site is inactive. No violations identified, 2,359 feet • ESSO STANDARD OIL CO - MUNOZ ESSO SVC, REGISTRY ID: 110009437779, CALLE 25 DE JULIO 19A – RCRAINFO – The site is inactive. No violations identified, 1,182 feet • PREPA – YAUCO TECHNICAL OPERATIONS OFFICE, REGISTRY ID: 110004891467, 49
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		MATIENZO CINTRO ST INT PR-116 – RCRAINFO – The site is active. No violations identified, 1,245 feet • ESSO STANDARD OIL CO – PR CO-408, REGISTRY ID: 110004892215, PR-116 CRUCE CUATRO CALLES – RCRAINFO – The site is active. No violations identified, 1,595 feet • YAUCO SS 0493, REGISTRY ID: 110004892741, CALLE 25 DE JULIO – RCRAINFO – The site is inactive. No violations identified, 1,182 feet • TEXACO PR INC – JUAN GARCIA PACHECO, REGISTRY ID: 110009437500, 25 JULIO 9 – RCRAINFO – The site is inactive. No violations identified, 1,013 feet • SHELL CO PR LTD SS 1627 GARAJE SAN JOSE, REGISTRY ID: 110004893036, 68 25 DE JULIO ST – RCRAINFO – The site is inactive. No violations identified, 1,284 feet • ESSO STANDARD OIL CO PR DO-395, REGISTRY ID: 110004895711, 25 DE JULIO ST #21 – RCRAINFO – The site is inactive. No violations identified, 1,382 feet • TROCHA STREET SERVICE STATION - REGISTRY ID: 110043425308 - LA TROCHA STREET #1 – ACRES, there are no current cleanup activities. 2,065 feet. • MUÑOZ RIVERA BUILDING - REGISTRY ID: 110043425317 - LUIS MUÑOZ RIVERA STREET #56 - ACRES, there are no current cleanup activities. 642 feet. • FORMER NATALI FAMILY RESIDENCE – 110043425326 - PACHECO STREET #24. ACRES, there are no current cleanup activities. 647 feet.
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		• PUERTO RICO ARMY NATIONAL GUARD ARMORY BUILDING – 110071968067 - STATE ROAD PR-127 KILOMETER 1.0 NEAR THE JACANAS INDUSTRIAL PARK - ACRES, there are no current cleanup activities. 1,786 feet. • MUÑOZ AUTO PARTS – 110071968069 - CORNER OF BETANCES STREET AND SANTIAGO VIVALDI AVENUE - ACRES, there are no current cleanup activities. 288 feet. • PRIDCO FACILITY T-12440-79 – 110071968071 - STATE ROAD PR-127 NEAR KILOMETER 2.0 JACANAS INDUSTRIAL PARK - ACRES, there are no current cleanup activities. 2,180 feet. • RAMILLI THEATER – 110071968072 - BETANCES STREET #4 - ACRES, there are no current cleanup activities. 285 feet. Refer to the ECHO Reports and Facility Reports included in Appendix 5. 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 2010 over the footprint of a previous residence or commercial building, which was demolished after 2006 (Refer to Section 106 NHPA Effect Determination Consultation Package on Appendix 7). Therefore, it is not subject to lead-based paint regulations in accordance with applicable federal, state, and local requirements. The proposed activities are minor in scope and involve limited surface penetration (e.g.,
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		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. 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. 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. 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.” 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. On January 11, 2024, HUD issued Notice CPD-23-103, Departmental Policy for Addressing Radon in the Environmental Review Process, which requires the
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		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. 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 information requests to state and federal entities. Responses were received from the
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		following: United States Geological Survey (USGS); Centers for Disease Control and Prevention (CDC); Puerto Rico Department of Health; United States Environmental Protection Agency (EPA). 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. The project is in compliance with Contamination and Toxic Substances requirements. Refer to Contamination and Toxic Substances, Figure 7 included in Appendix 1.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes No ☐ ☒	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 interior of the storage room, on the left-side wall of structure. 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 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 6, 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. The nearest Critical Habitat is 9,317 feet from the project site. USFWS "No Effect" Memo on May 1, 2025, and an Agency response was received on May 28, 2025. The project is in compliance with the Endangered Species Act of 1973. 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/design/population/156/office/41430.pdf Refer to Threatened and Endangered Species Map, Figure 8 included in Appendix 1. See USFWS "No Effect" Memo and supporting documentation in Appendix 6.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No ☐ ☒	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 interior of the storage room, on the left-side wall of structure and will not result in increased densities, conversion to residential uses, or making a vacant building habitable. The project itself is not the development of a hazardous facility, nor will the project 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 ☐ ☒	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 interior of the storage room, on the left-side wall of the structure. This project does not include any activities that could potentially convert agricultural land to non-agricultural use. The project is in a designated area as not prime farmland. The project is in compliance with the Farmland Protection Policy Act. Refer to Farmland Protection Map, Figure 9 included in Appendix 1.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No ☐ ☒	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 Yauco. Therefore, PFIRM information is not available for the area and considered in the review. 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. Refer to Advisory Base Flood Elevation Map, Figure 10 and Preliminary FIRM, Figure 11, included in Appendix 1.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No ☒ ☐	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). The property is located within the Yauco Traditional Urban Center. In response from PR SHPO dated September 16, 2025, SHPO concurred with a finding of “<i>No Adverse Effect</i>” upon historic properties, conditioned that, when installed, the PVS/BSS shall remain not visible or will be minimally visible from the street to be consistent with the related Secretary of the Interior's Standards, Guidelines, and Technical Briefs. Therefore, this activity is in compliance with the National Historic Preservation Act. Refer to Historic Preservation Map, Figure 12 included in Appendix 1.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes No ☐ ☒	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 interior of the storage room, on the left-side wall of structure. 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. Refer to Noise Abatement and Control Map, Figure 13 included in Appendix 1.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No ☐ ☒	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. Refer to Sole Source Aquifer Map, Figure 14 included in Appendix 1.

Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No ☐ ☒	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 1,074 feet from the Project Site. The project does not have the potential to impact wetlands. The project is in compliance with E.O. 11990. Refer to Wetlands Map, Figure 15 included in Appendix 1.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No ☐ ☒	This project is not within proximity of the NWSRS river. The project is located 376,931 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 16 included in Appendix 1.

Field Inspection: March 6, 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
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	When installed, the PVS/BSS shall remain not visible or will be minimally visible from the street to be consistent with the related Secretary of the Interior's Standards, Guidelines, and Technical Briefs.

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: 9/23/2025

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

Responsible Entity Agency Official Signature:

**Janette I.
Cambrelen**

Digitally signed by Janette I.
Cambrelen

Date: 2025.10.06 11:29:36 -04'00' Date: 10.6.2025

Name/Title: Janette I. Cambrelén, Permit and Environmental Compliance 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

Appendix Number	Appendix Description
1	Figures
2	Field Visit Report
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, and ECHO Reports
6	USFWS "No Effect" Memo and supporting documentation
7	Section 106 Consultation Package

Appendix 1: Figures

List of Figures

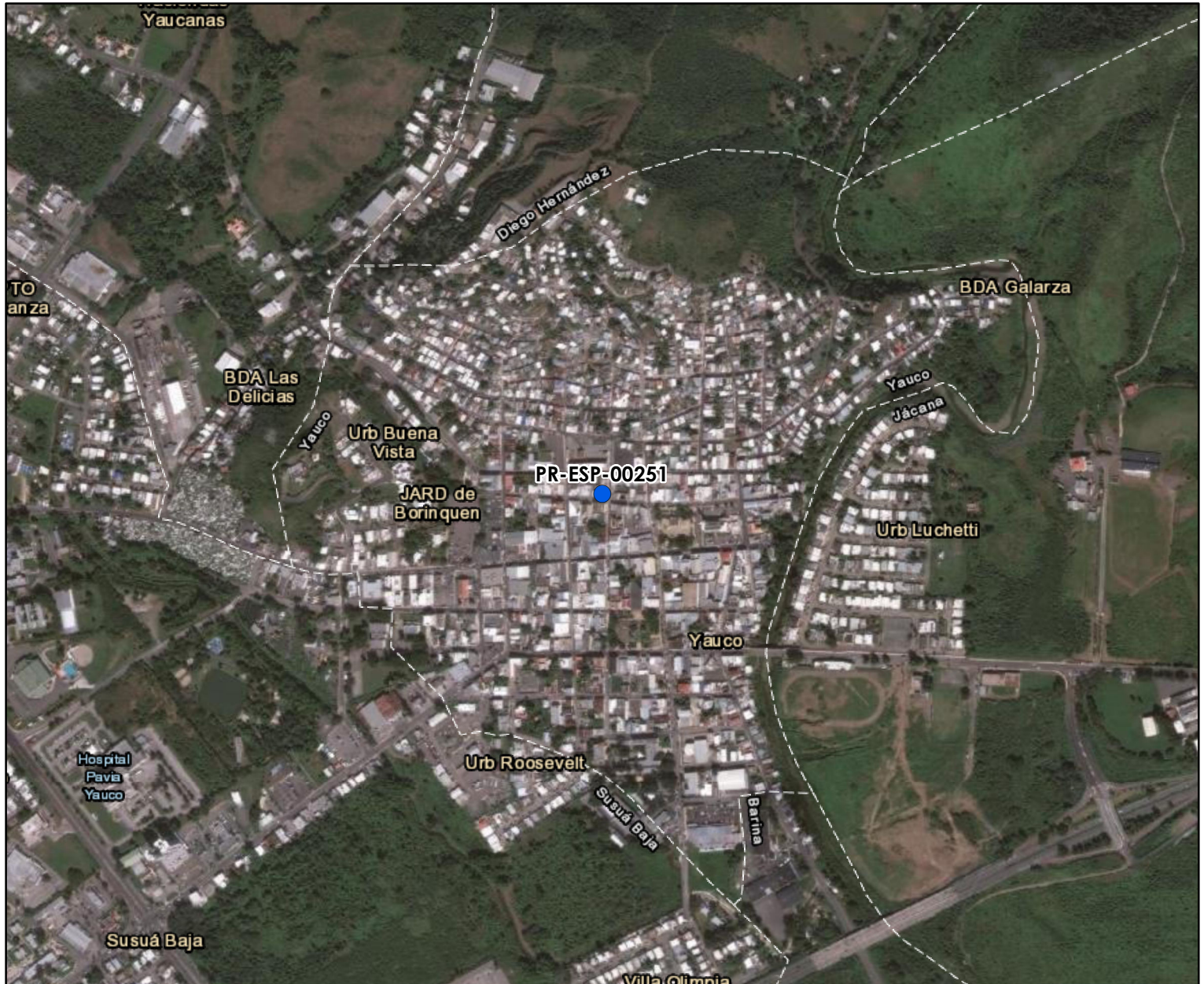
Figure Number	Appendix 1 Description
1	Location: Aerial Map
2	Airports Map
3	Coastal Barrier Resource System Map
4	Flood Insurance Rate Map
4-A	Preliminary Flood Insurance Rate Map
5	Clean Air Map
6	Coastal Zone Management Map
7	Toxic and Hazardous Facilities Map
8	Threatened and Endangered Species Map
9	Farmland Protection Map
10	Advisory Base Flood Elevation Map
11	Historic Preservation Map
12	Noise Abatement and Control Map
13	Sole Source Aquifer
14	Wetlands Map
15	Wild and Scenic Rivers Map

Figure 1

Location: Aerial Map

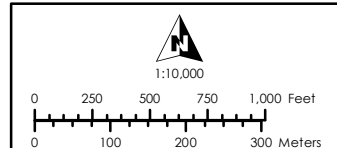
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

● PR-ESP-00251



Service Layer Credits:
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

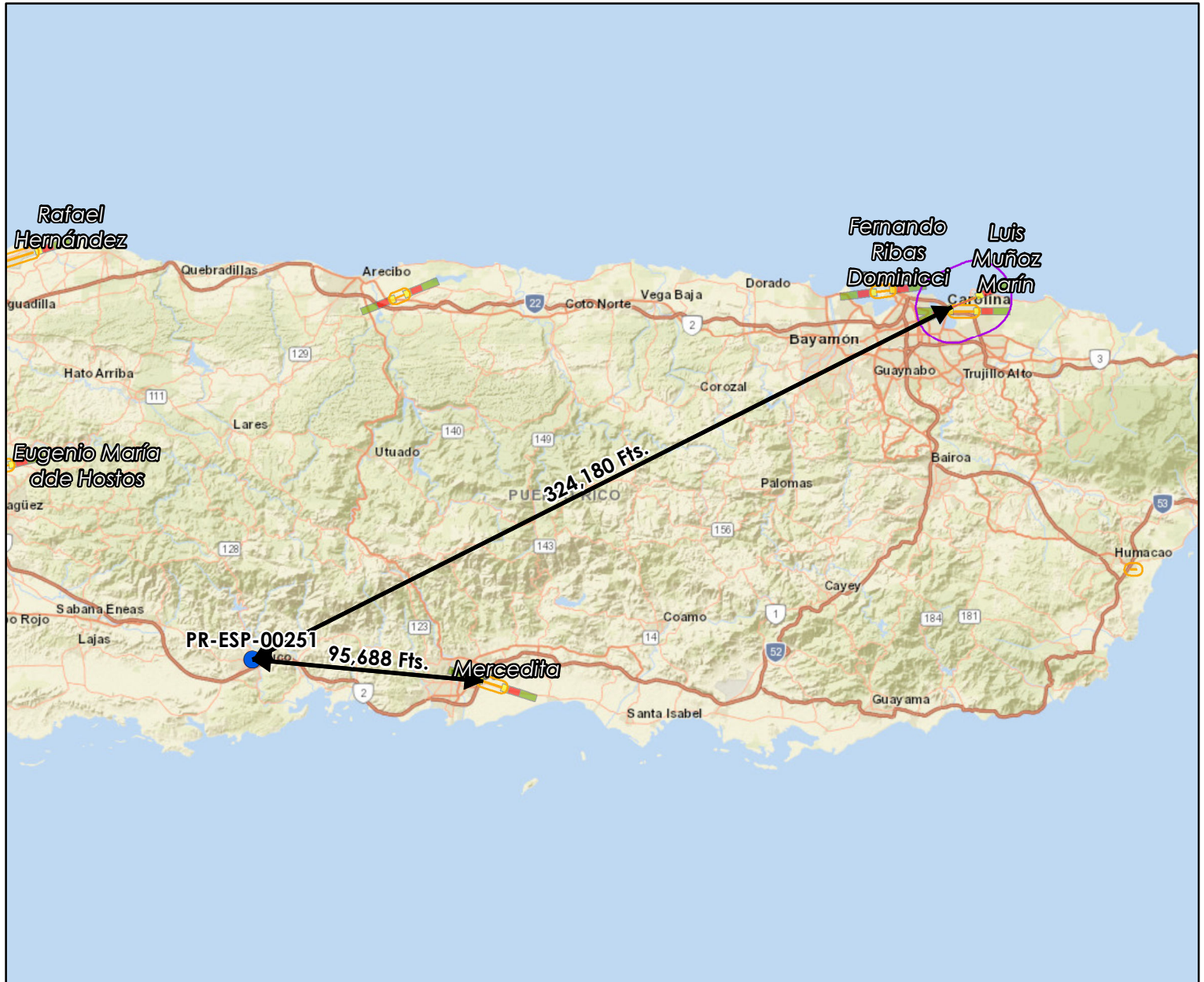
Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

Figure 2

Airports Map

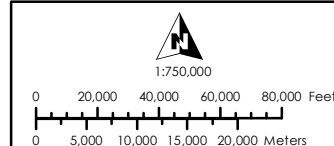
Electrical Power Reliability and Resilience Program (ER2)

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Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- | | |
|---|--------------------------------|
| ● PR-ESP-00251 | |
| ■ SJU Military Runaway | Accident Potential Zone |
| ■ SJU Civil Runaway | ■ APZ 1 |
| □ Military Airport Buffer (15,000 Fts.) | ■ APZ 2 |
| □ Civil Airport Buffer (2,500 Fts.) | ■ 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

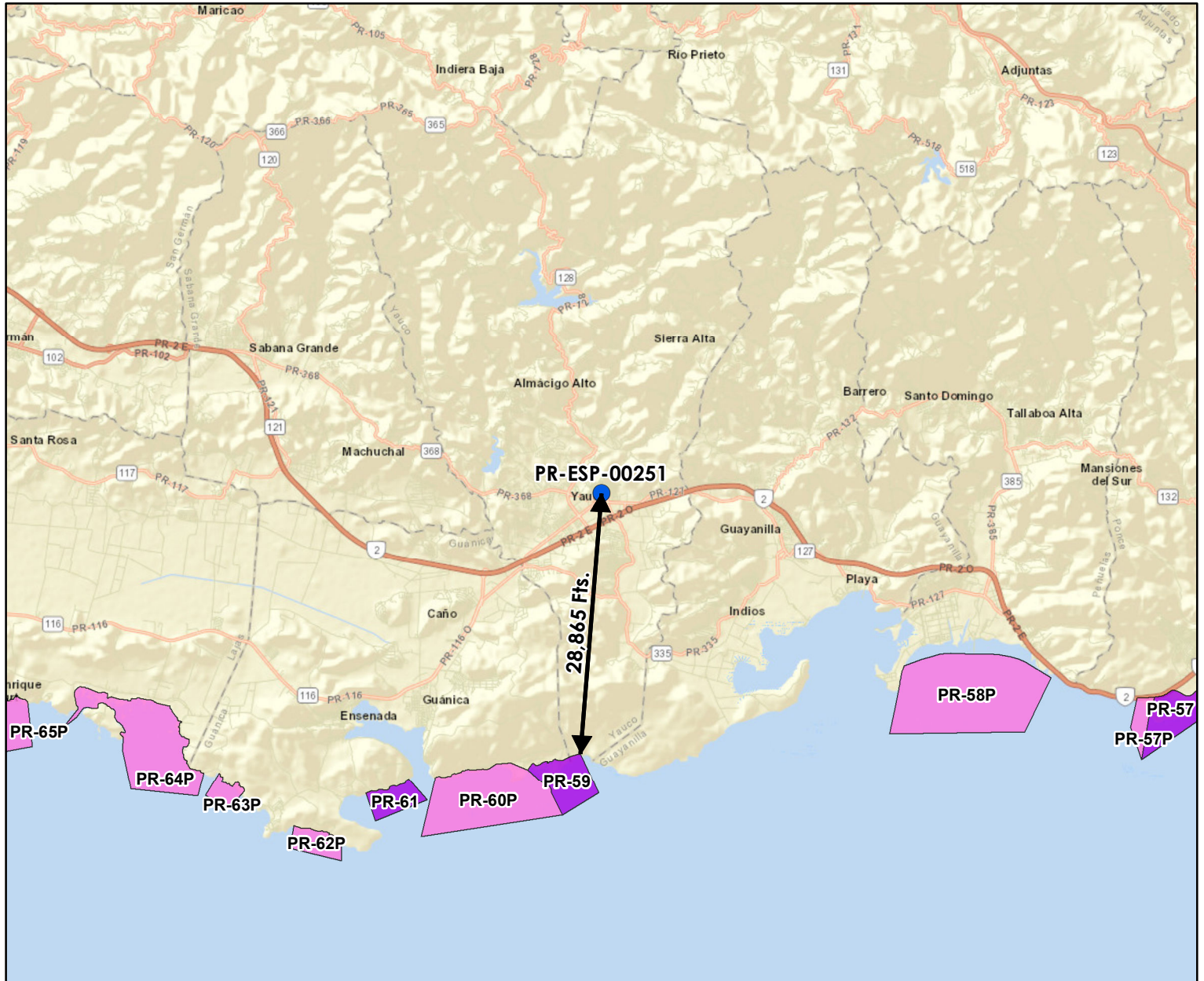
Source:
Federal Aviation Administration (FAA)
<https://adds-faa.opendata.arcgis.com/>
The Environmental Protection Agency
<https://www.epa.gov/nepa/nepassist>

Figure 3

Coastal Barrier Resource System Map

Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



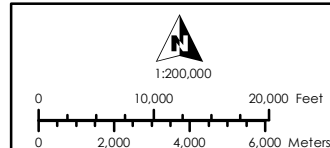
Legend:

● PR-ESP-00251

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:

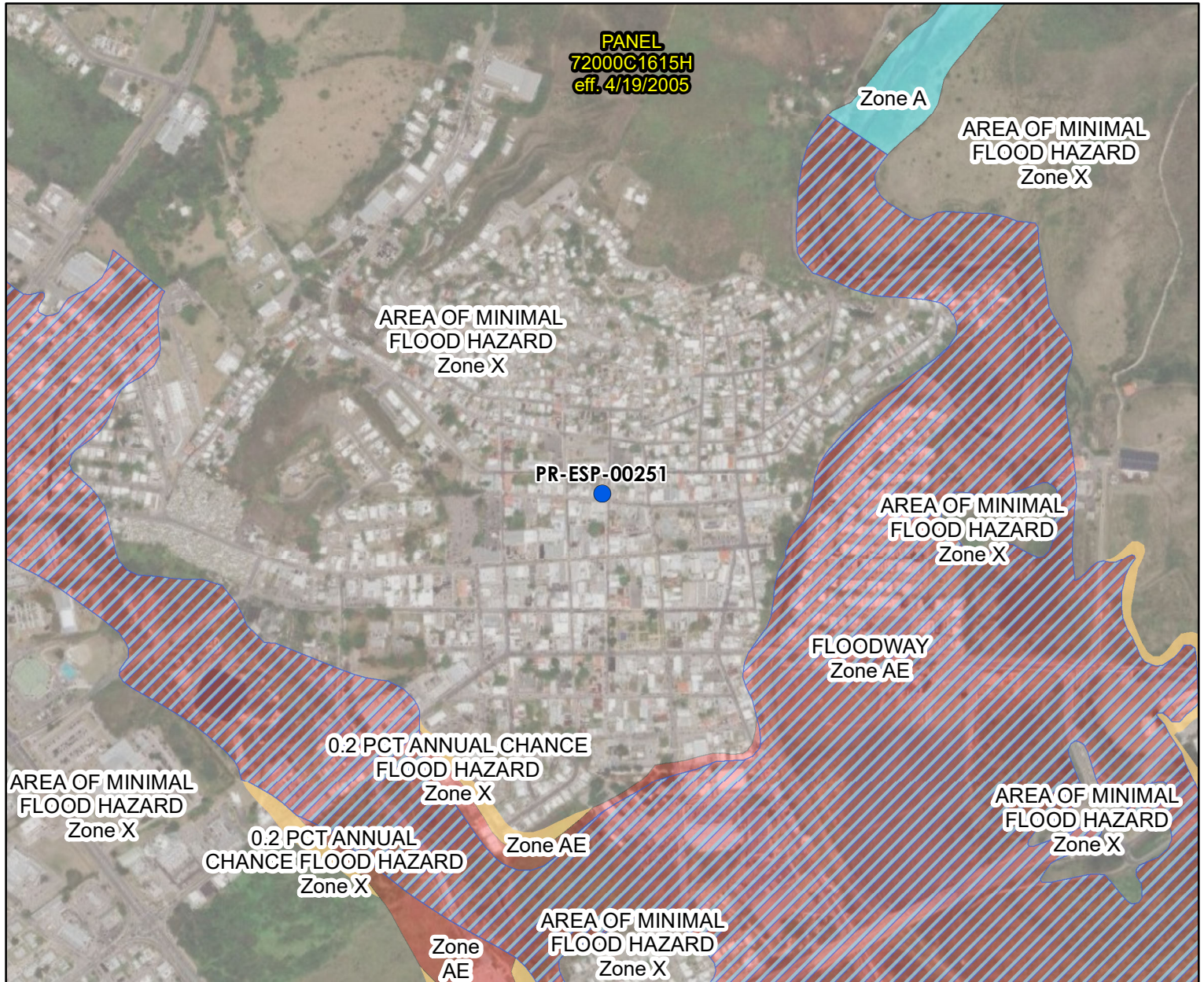
U.S. Fish and Wildlife Service (FWS)
<https://www.fws.gov/program/coastal-barrier-resources-act>

Figure 4

Flood Insurance Rate Map

Electrical Power Reliability and Resilience Program (ER2)

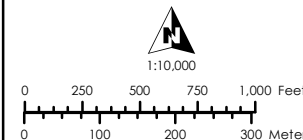
Laboratorio Clínico Innova Lab
 54 Calle Mattei Lluberias,
 Yauco PR 00698
 Catastro: 361-074-057-05-001
 Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- 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:
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

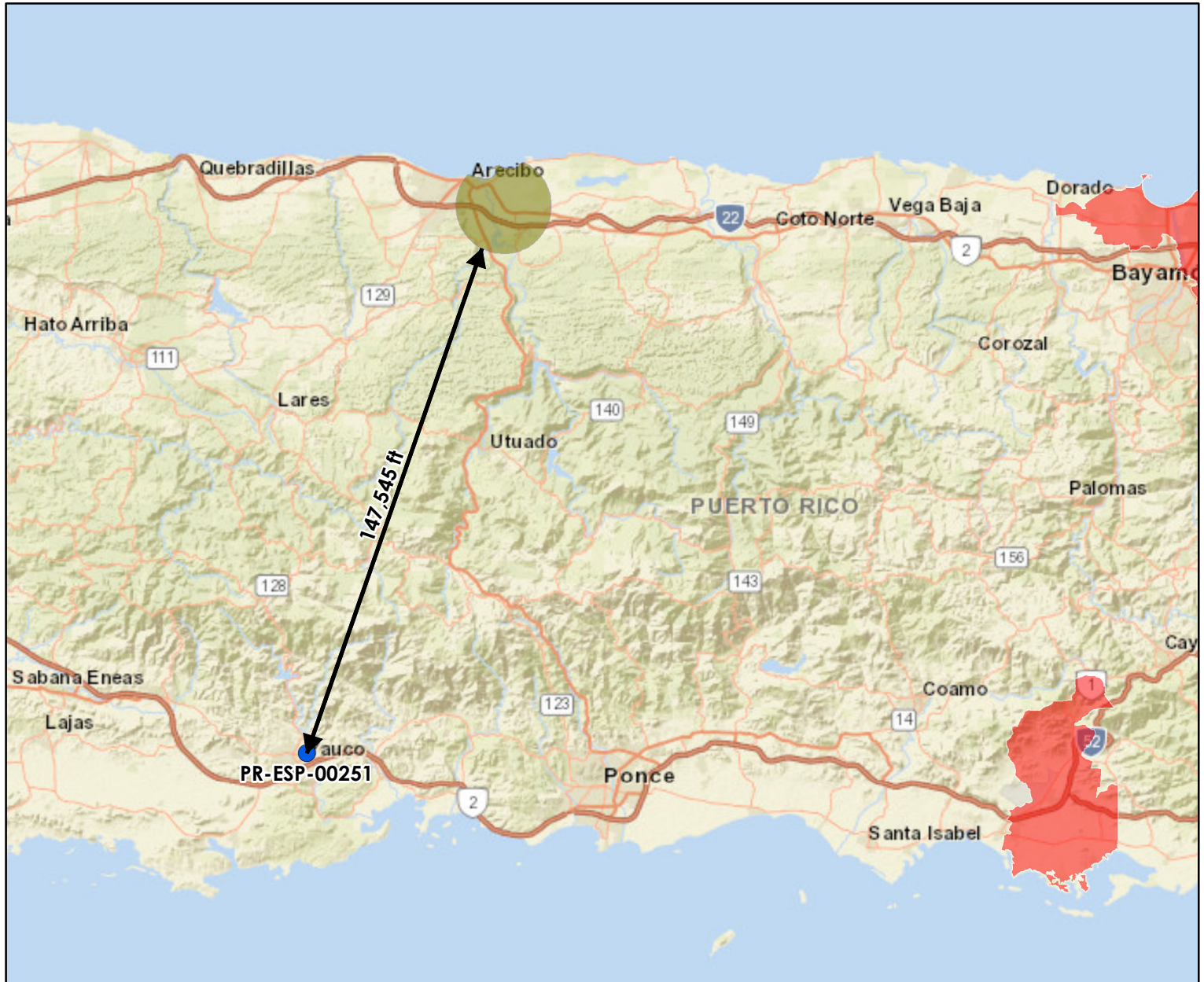
Source:
 Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>

Figure 5

Clean Air Map

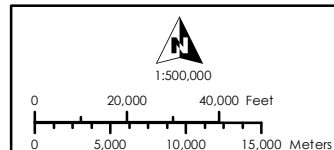
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- Clean Air Areas - SO₂
- Clean Air Areas - Lead



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>

Figure 6

Coastal Zone Management Map

Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:



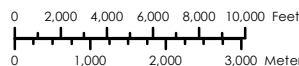
PR-ESP-00251



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>

Figure 7

Toxic and Hazardous Facilities Map

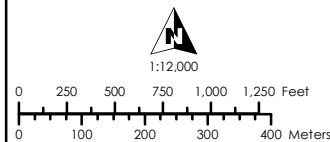
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
 54 Calle Mattei Lluberas,
 Yauco PR 00698
 Catastro: 361-074-057-05-001
 Lat: 18.035800, Lon: -66.849850



Legend:

- | | |
|---|--|
| ● PR-ESP-00251 | ⬠ NPDES |
| Buffer (500 Fts.) | ⬠ NPDES - Major |
| Buffer (3,000 Fts.) | ▲ RCRA |
| Superfund (NPL & SAA) | ▲ RCRA - Active |
| ● ACRES | ▲ RCRA - Inactive |
| ⬠ AIR | ▼ TRI |

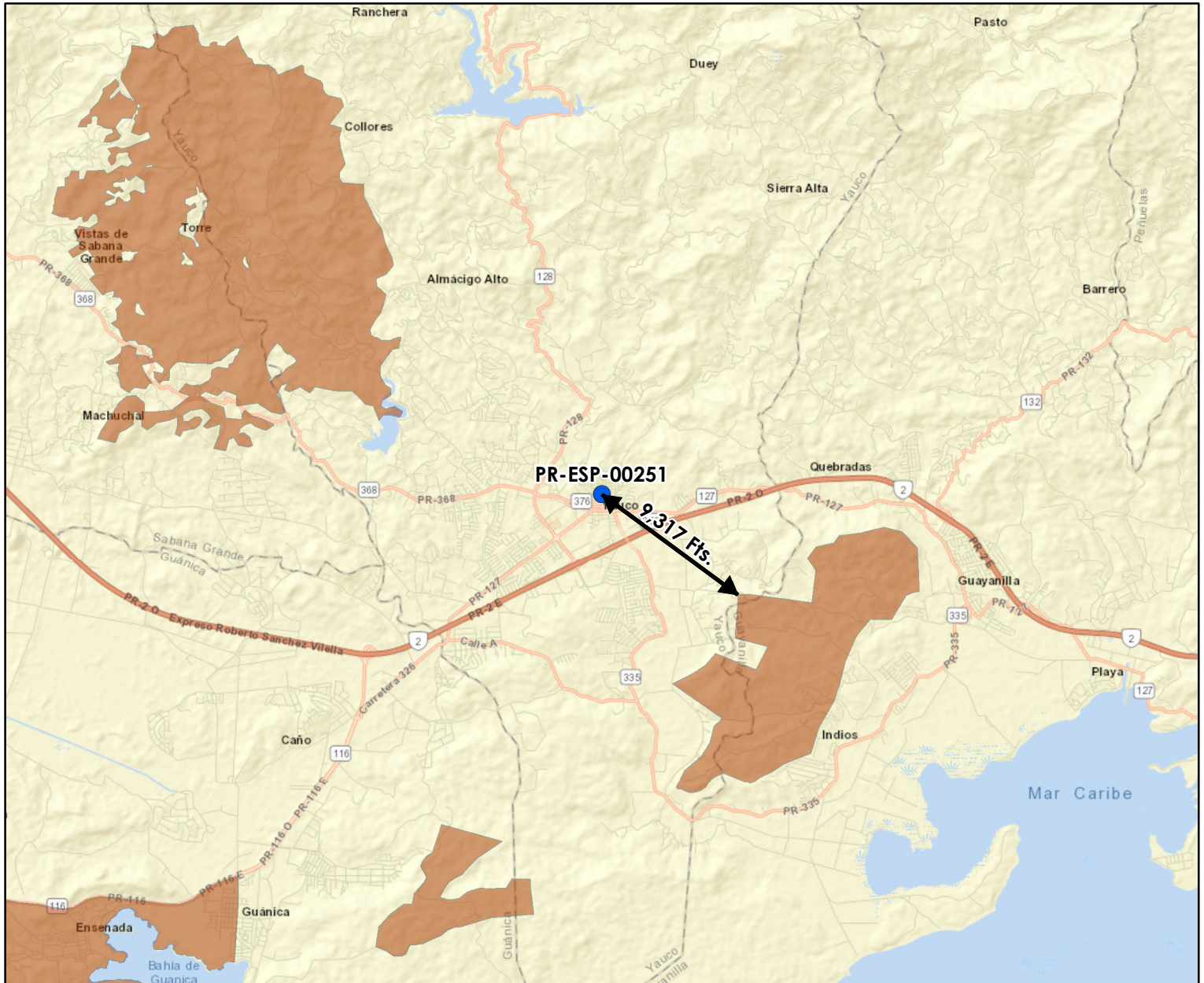


Service Layer Credits:
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

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

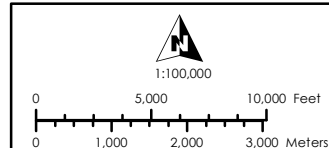
Figure 8 Threatened and Endangered Species Map Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- Critical Habitat



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

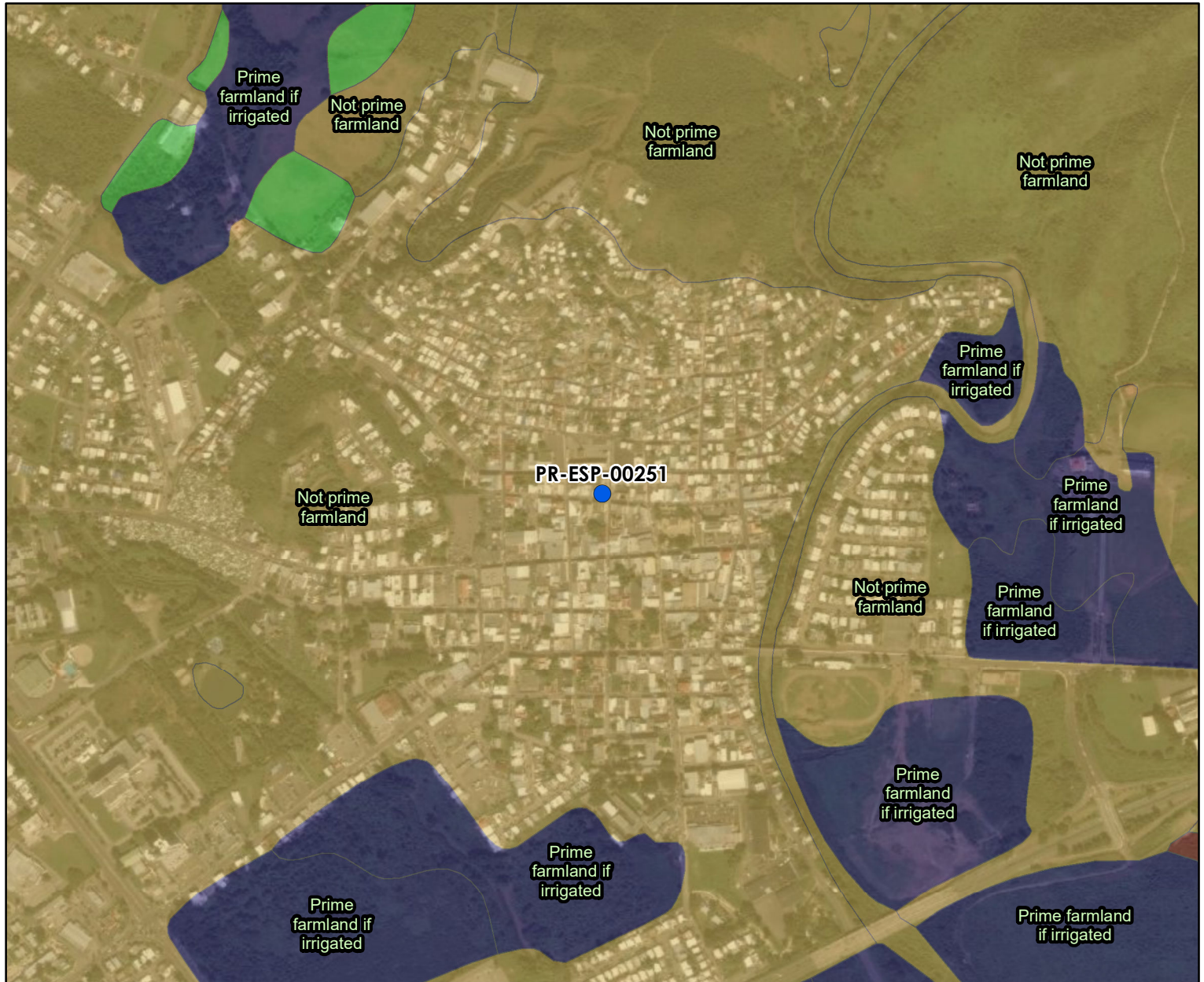
Source:
NOAA Office of Response and Restoration
<https://response.restoration.noaa.gov/>

Figure 9

Farmland Protection

Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850

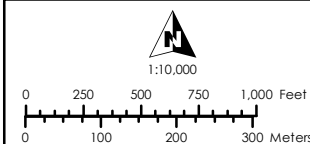


Legend:

● PR-ESP-00251

Farm Class

- Farmland of statewide importance
- Not prime farmland
- Prime farmland if drained
- Prime farmland if irrigated



Service Layer Credits:

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
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)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850

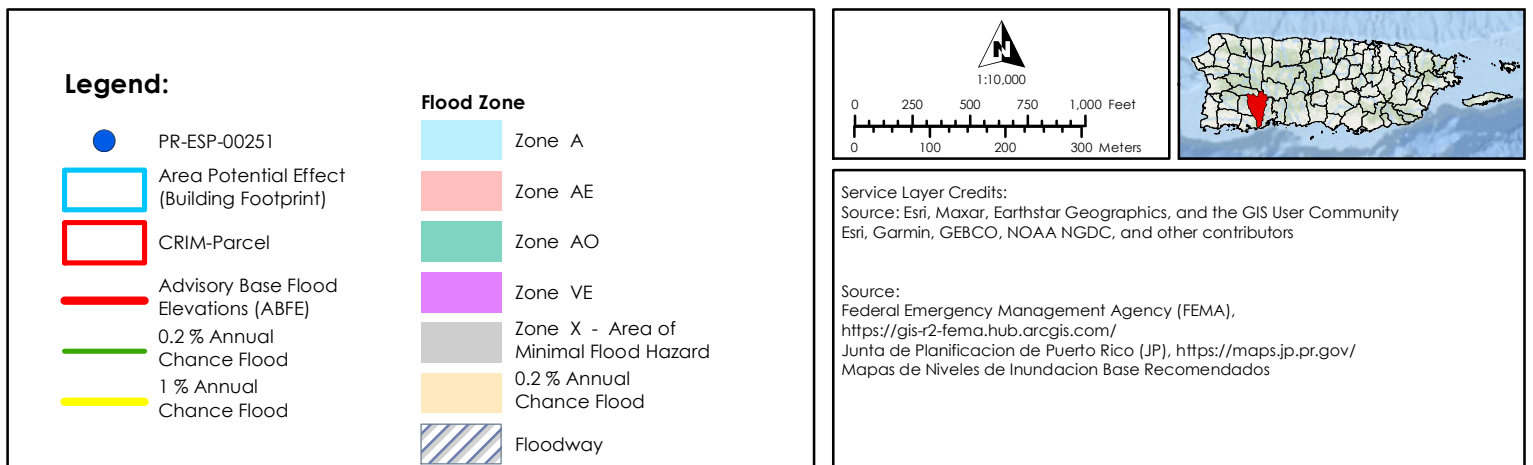
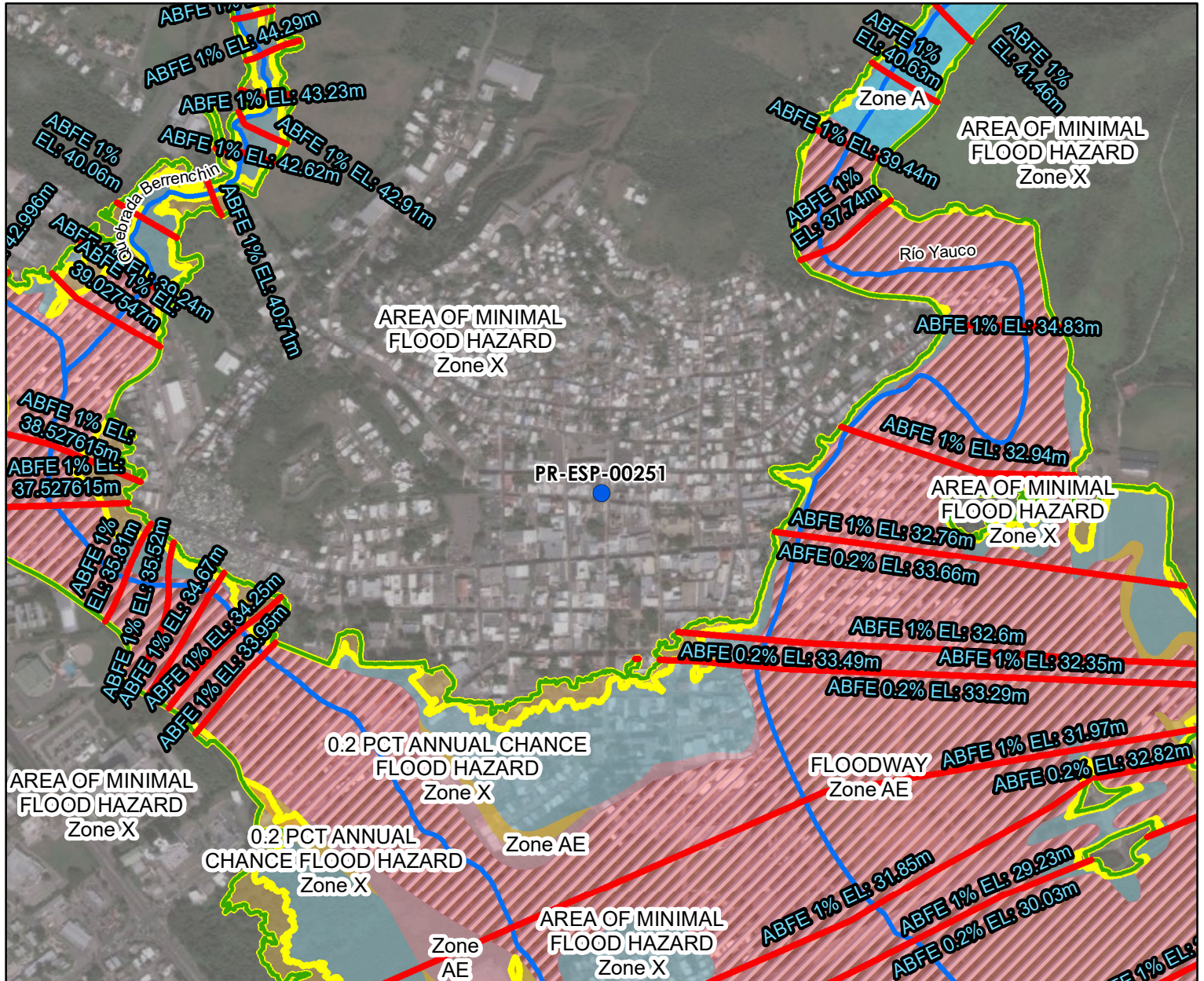


Figure 11

Preliminary Flood Insurance Rate Map

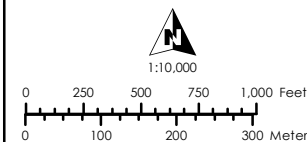
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
 54 Calle Mattei Lluberas,
 Yauco PR 00698
 Catastro: 361-074-057-05-001
 Lat: 18.035800, Lon: -66.849850



Legend:

- | | |
|---|--|
| ● PR-ESP-00251 | 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:
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

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

Figure 12

Historic Preservation Map

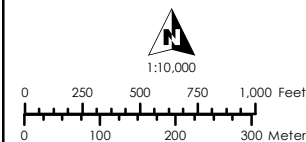
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
 54 Calle Mattei Lluberas,
 Yauco PR 00698
 Catastro: 361-074-057-05-001
 Lat: 18.035800, Lon: -66.849850



Legend:

- | | |
|--|--|
| ● PR-ESP-00251 | 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

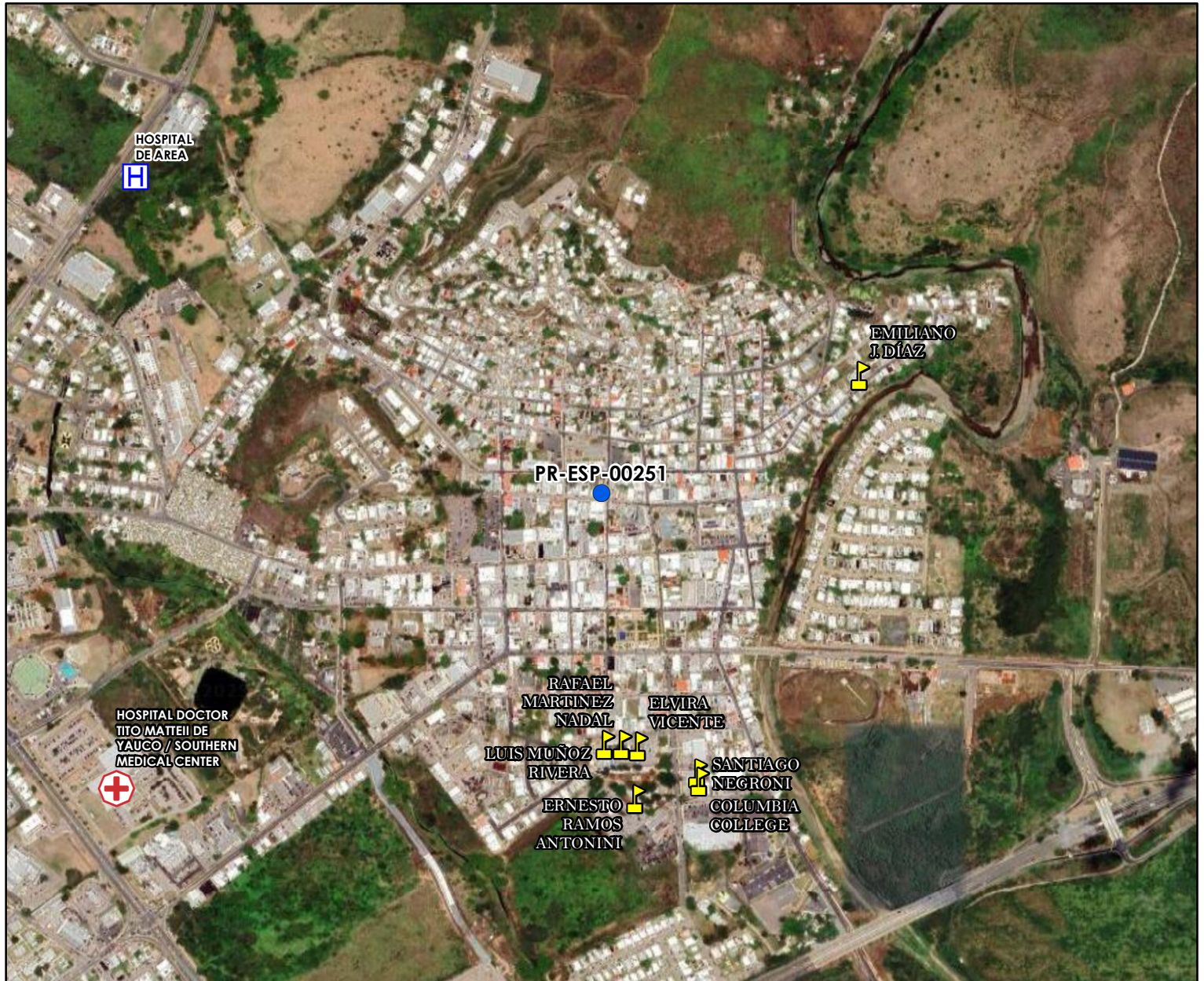
Source:
 National Park Service (NPS) - National Register of Historic Places (NRHP)
<https://www.nps.gov/subjects/nationalregister/index.htm>
 State Historic Preservation Office (SHPO)
<https://oech.pr.gov/Pages/default.aspx>

Figure 13

Noise Abatement and Control Map

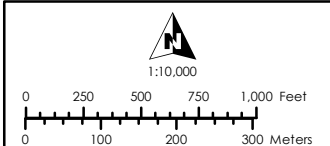
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- 🏫 University
- 🚩 School
- H 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>

Figure 14

EPA Sole Source Aquifers

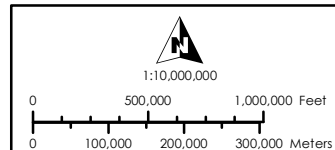
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- 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

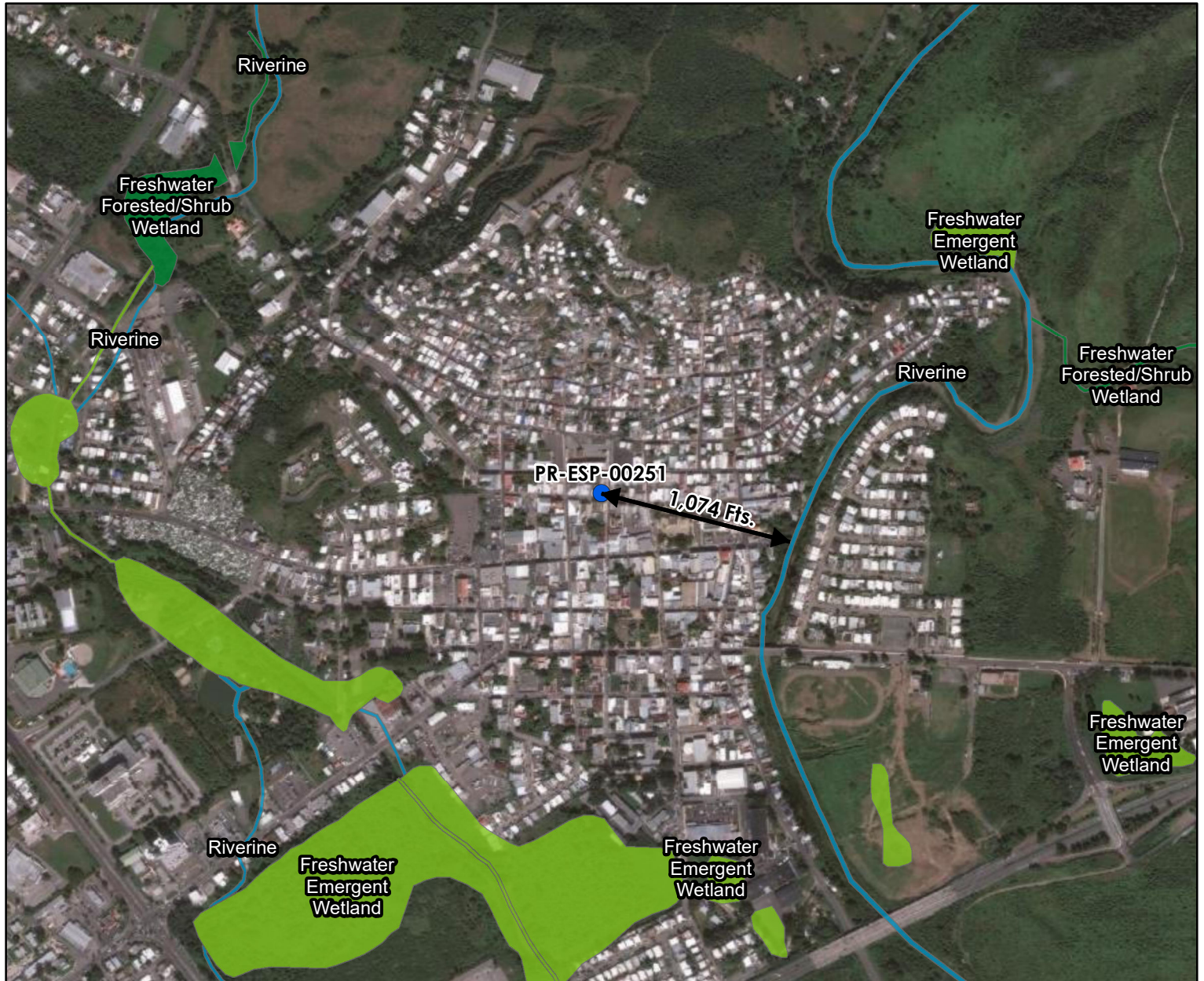
Source:
U.S. Environmental Protection Agency
<https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b>

Figure 15

Wetlands Map

Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850

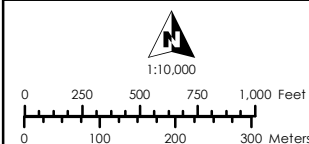


Legend:

● PR-ESP-00251

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:

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

Source:

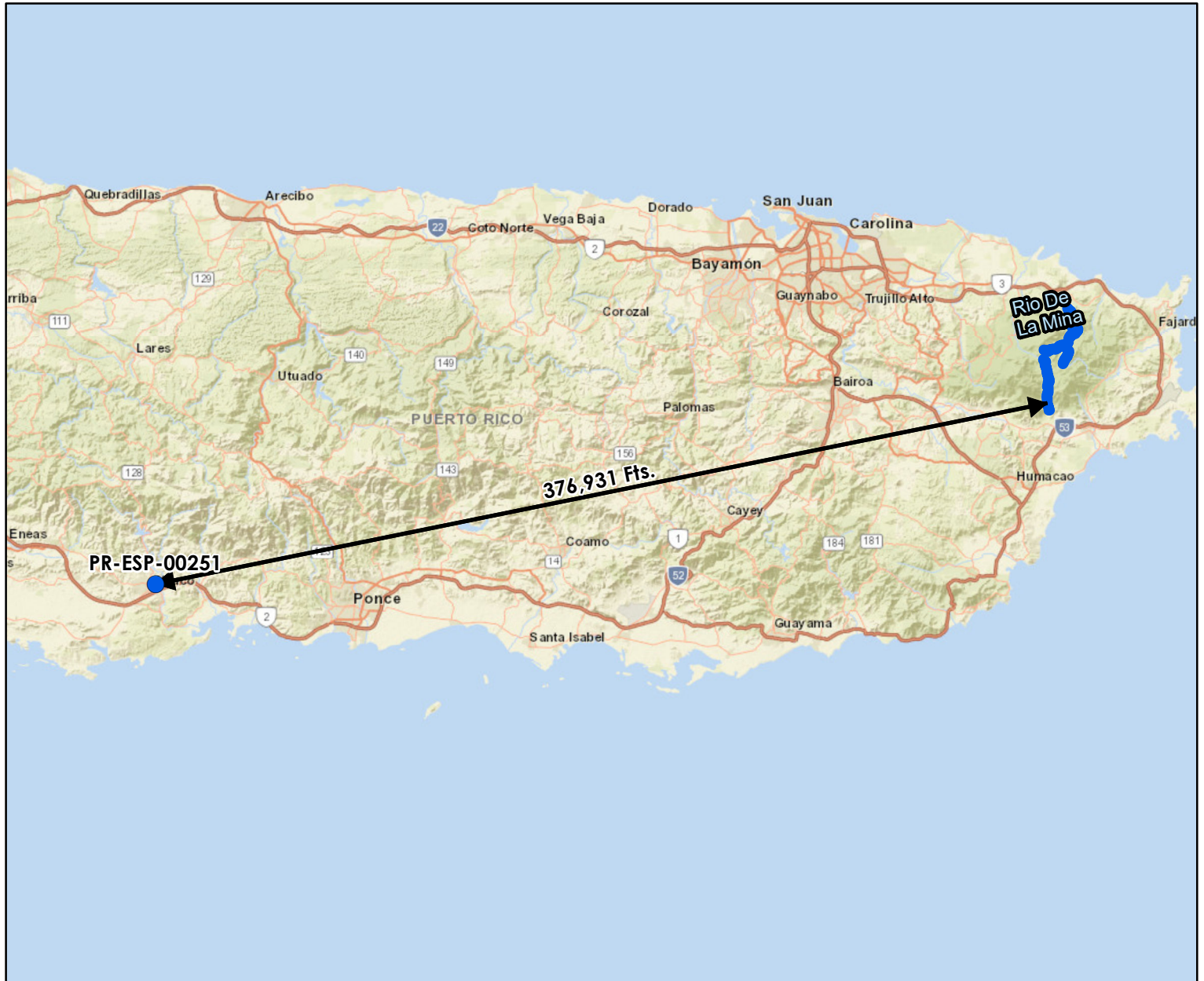
U.S. Fish and Wildlife Service - National Wetlands Inventory
<https://www.fws.gov/program/national-wetlands-inventory>

Figure 16

Wild and Scenic Rivers Map

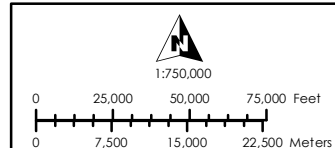
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- Wild and Scenic Rivers



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-00251

APPLICANT/LOCATION INFORMATION	
Applicant ID:	PR-ESP-00251
Applicant Name:	Laboratorio Clínico Innova Lab
Parcel ID:	361-074-057-05-001
Coordinates:	18.035800, -66.849850
Street Address:	54 Calle Mattei Lluberas
Municipio:	Yauco
Zip Code:	00698
Site Inspector:	Egon Gonzalez
Date of Visit:	March 6, 2025
Time of Visit:	13:31
Year Built:	Circa 1940




Building Information		
Question	Answer	Notes
1. Location verified:	Yes	18.035800, -66.849850
2. Is the building correct on GIS?	Yes	Building is correct on GIS
3. Building Type:	Commercial	
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	(2) 55gal Drums located on left side of structure used as trash bin
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.	No	
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 6, 2025

Front of Structure

Photo Direction: North

Comments:



Facing Away from Front

Photo Direction: South

Comments:



Side #1 of Structure

Photo Direction: North

Comments:



Facing Away From Side #1

Photo Direction: Northwest

Comments:



Back of Structure

Photo Direction: West

Comments:



Facing Away from Back

Photo Direction: West

Comments:



Side #2 of Structure

Photo Direction: West

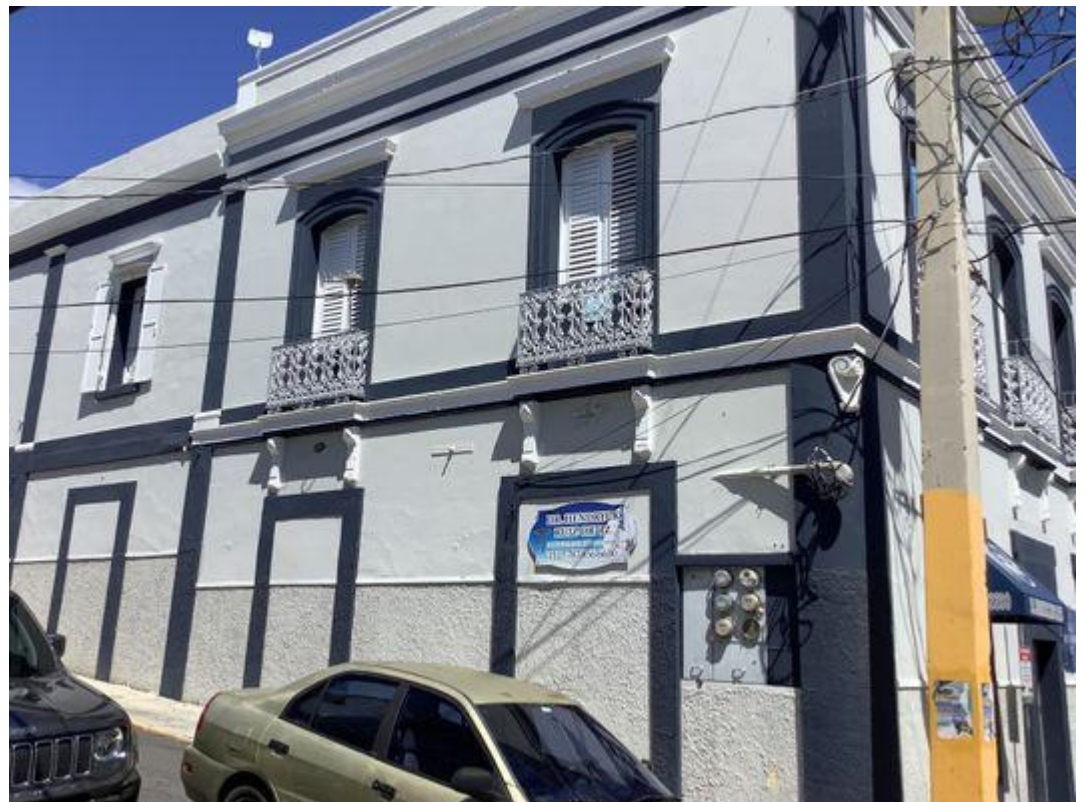
Comments:



Facing Away from Side #2

Photo Direction: East

Comments:



Streetscape #1

Photo Direction: West

Comments:



Streetscape #2

Photo Direction: East

Comments:



Address

Photo Direction: Northeast

Comments:



Architectural Details 1

Photo Direction:

Photo Description: Electricity is connected



Architectural Details 2

Photo Direction:

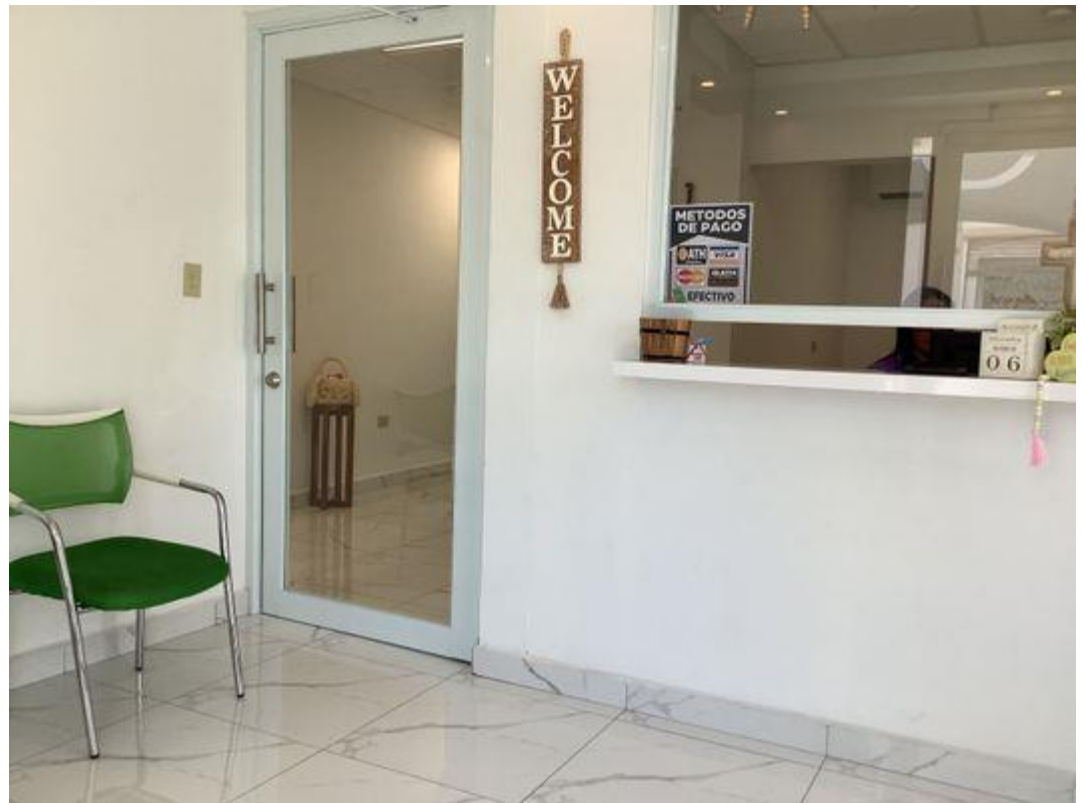
Photo Description: Water is connected



Architectural Details 3

Photo Direction:

Photo Description: General Interior View



Architectural Details 4

Photo Direction:

Photo Description: General interior view



Architectural Details 5

Photo Direction:

Photo Description: (2) 55gal Drums located on left side of structure used as trash bin



Architectural Details 6

Photo Direction:

Photo Description: Additional back of structure view



Architectural Details 7

Photo Direction:

Photo Description: Proposed area for
battery storage



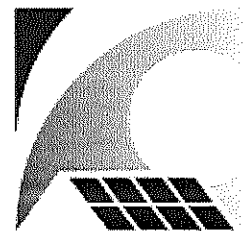
Architectural Details 8

Photo Direction:

Photo Description:

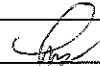
Appendix 3: Scope of Work Quote

Propuesta para
Instalación de
Sistema de
Energía Solar
APOYO
ENERGETICO 2.0



CARIBBEAN SOLAR ENERGY, LLC

CÁLCULO DE CONSUMO ANUAL Y SISTEMA PROPUESTO

 **Iniciales**

Nombre de cliente	LABORATORIO CLINICO INNOVA LAB										
Dirección del servicio	54 C MATTEI LLUBERAS APT A 1 YAUCO PR 00698										
ID Contrato	LCI617										
Fecha	8/9/2024										
Últimos 12 meses de consumo											
1327	1327	1327	1327	1327	1327	1327	1327	1327	1230	1320	1430
Placa (W)	400										
Pueblo	Yauco										
Consumo anual (kWh)										15,923	
Costo por kWh en LUMA										0.26	
Tamaño de sistema según consumo (kWDC)										11.1	
(1) Sistema propuesto (kWDC)										11.6	
(2) Almacenamiento propuesto (kWh)										14	
(3) Cubierta de consumo estimada										105%	
(4) Costo de placas solares										\$8,700	
(5) Costo de batería(s)										\$13,250	
(6) Instalacion, Ingenieria, Permisos y BOS										\$13,373	
(7) Costo Total										\$35,323	
(8) Incentivo potencial										-\$21,194	
(9) Balance aportado por cliente										\$14,129	
(10) Retorno de inversion estimado (en años)										3.3	
(11) Ahorro anual estimado en factura de LUMA										\$4,329	

TIPO DE SISTEMA

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

EQUIPOS

Equipo	Marca	Modelo	Cantidad
Placas	Canadian Solar	CS6R-400MS-HL	29
Batería	Tesla	Powerwall 2	1
Inversor	Tesla	7.6 kW/AC Powerwall+	1
Inversor	Enphase	IQ8 Series	9
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

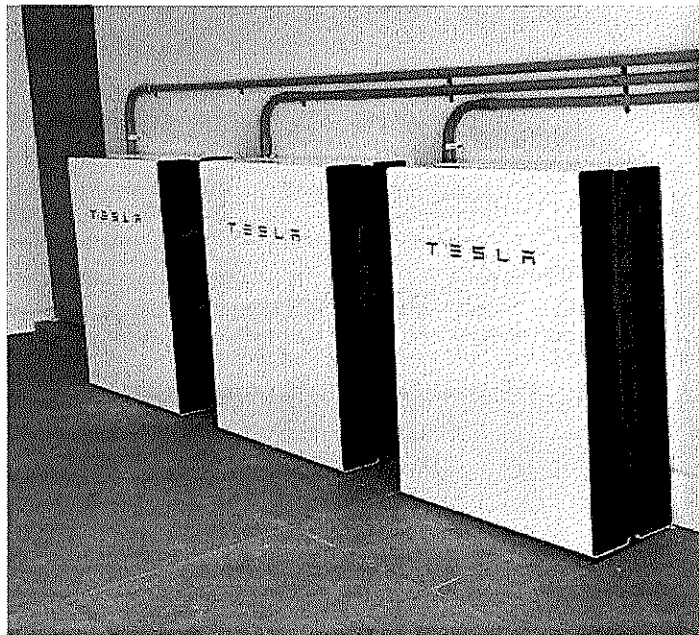
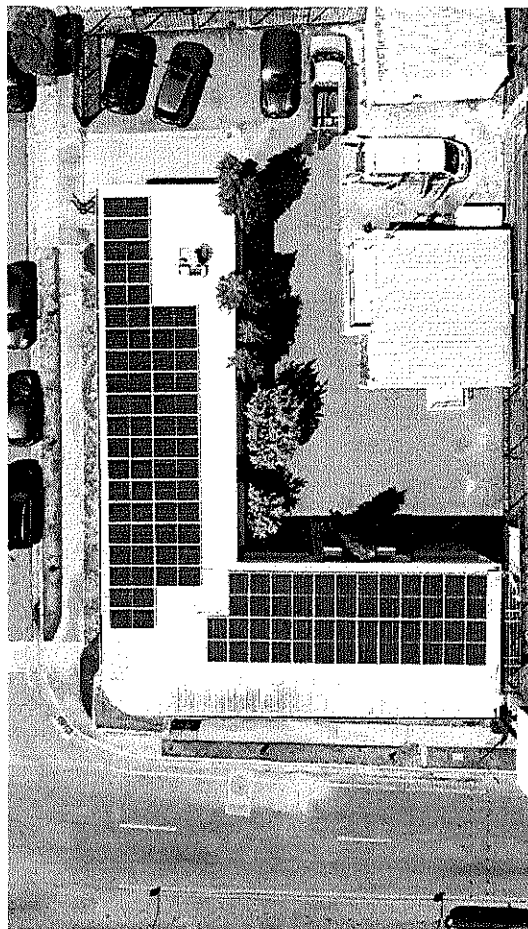
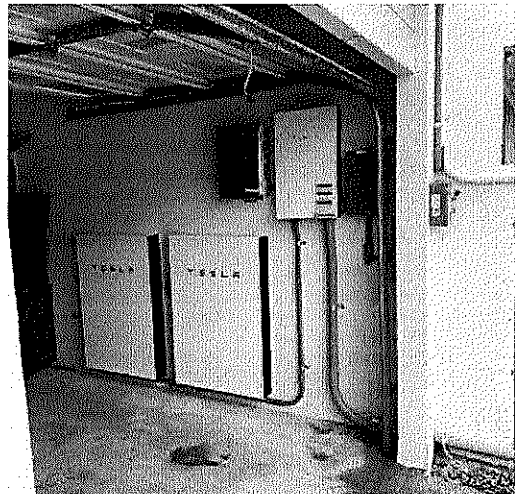
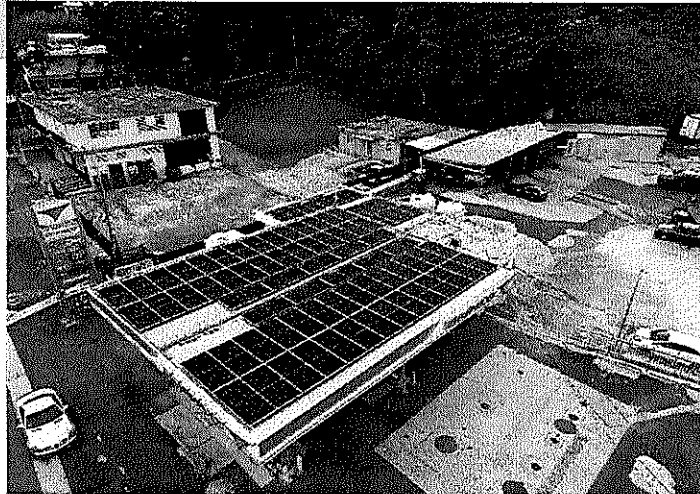
La fuerza de trabajo de Caribbean Solar Energy está formada por profesionales de la industria con experiencia en miles de instalaciones. Nuestra fuerza de trabajo está compuesta por ingenieros con licencia, electricistas certificados, personal administrativo, personal de ventas e instaladores altamente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

 **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.

17/6/24, 18:49



Caution: Photovoltaic system performance predictions calculated by PVWatts[®] include many inherent assumptions and uncertainties and do not reflect variance between the technological and site-specific characteristics. Errors are represented by PVWatts[®] inputs. For instance, PV modules with better performance are not represented within PVWatts[®] but better performing modules, both NREL and private companies, employ more sophisticated PV modeling tools (such as the System Advisor Model or SAM) to provide more precise and accurate modeling of PV systems.

The monthly range is based on 33 years of annual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to the NREL report: The Error Report.

Disclaimer: The PVWatts[®] Model ("Model") is provided by the National Renewable Energy Laboratory ("NREL"), which is owned by the Alliance for Sustainable Energy, LLC ("Alliance") for the U.S. Department Of Energy ("DOE") and may be used for any purpose whatsoever.

The name DOE/NREL/ALLIANCE shall not be used in any representation, advertising, publicly or other manner whatsoever to endorse or promote any entity that adopts or uses the Model. DOE/NREL/ALLIANCE shall not provide any support, including training or assistance of any kind with regard to the use of the Model or any updates, revisions or improvements of the Model.

YOU AGREE TO INDEMNIFY DOE/NREL/ALLIANCE, AND ITS AFFILIATES, OFFICERS, AGENTS, AND EMPLOYEES AGAINST ANY CLAIM OR DEMAND, INCLUDING REASONABLE ATTORNEY'S FEES, RELATED TO YOUR USE, ADOPTION, OR ADOPTION OF THE MODEL FOR ANY PURPOSE WHATSOEVER. THE MODEL IS PROVIDED BY DOE/NREL/ALLIANCE AS IS AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. IN NO EVENT SHALL DOE/NREL/ALLIANCE BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO CLAIMS ASSOCIATED WITH THE LOSS OF DATA OR PROFITS, WHICH MAY RESULT FROM ANY ACTION ON CONTRACT, NEGLIGENCE OR OTHER TORTIOUS CLAIM THAT ARISES OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE MODEL.

The energy output range is based on analysis of 33 years of historical weather data, and is intended to provide an indication of the possible interannual variability in generation for a fixed (non-roof) PV system at this location.

PVWatts Calculator

RESULTS

17,259 kWh/Year*

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)
January	4.90	1,337
February	5.38	1,321
March	5.49	1,459
April	5.70	1,469
May	6.07	1,615
June	5.98	1,560
July	5.93	1,585
August	6.05	1,618
September	5.55	1,430
October	4.91	1,317
November	4.69	1,235
December	4.82	1,313
Annual	5.46	17,259

Location and Station Identification

Requested Location	18.03583553856296, -66.84986571412088		
Weather Data Source	Lat. Lng:	18.05, -66.86	1.2 mi
Latitude	18.05° N		
Longitude	66.86° W		

PV System Specifications

DC System Size	11.6 kW					
Module Type	Standard					
Array Type	Fixed (roof mount)					
System Losses	14.05%					
Array Tilt	5°					
Array Azimuth	180°					
DC to AC Size Ratio	1.2					
Inverter Efficiency	96%					
Ground Coverage Ratio	0.4					
Albedo	From weather file					
Bifacial	No (0)					
Monthly Irradiance Loss	Jan	Feb	Mar	Apr	May	June
	0%	0%	0%	0%	0%	0%
	July	Aug	Sept	Oct	Nov	Dec
	0%	0%	0%	0%	0%	0%

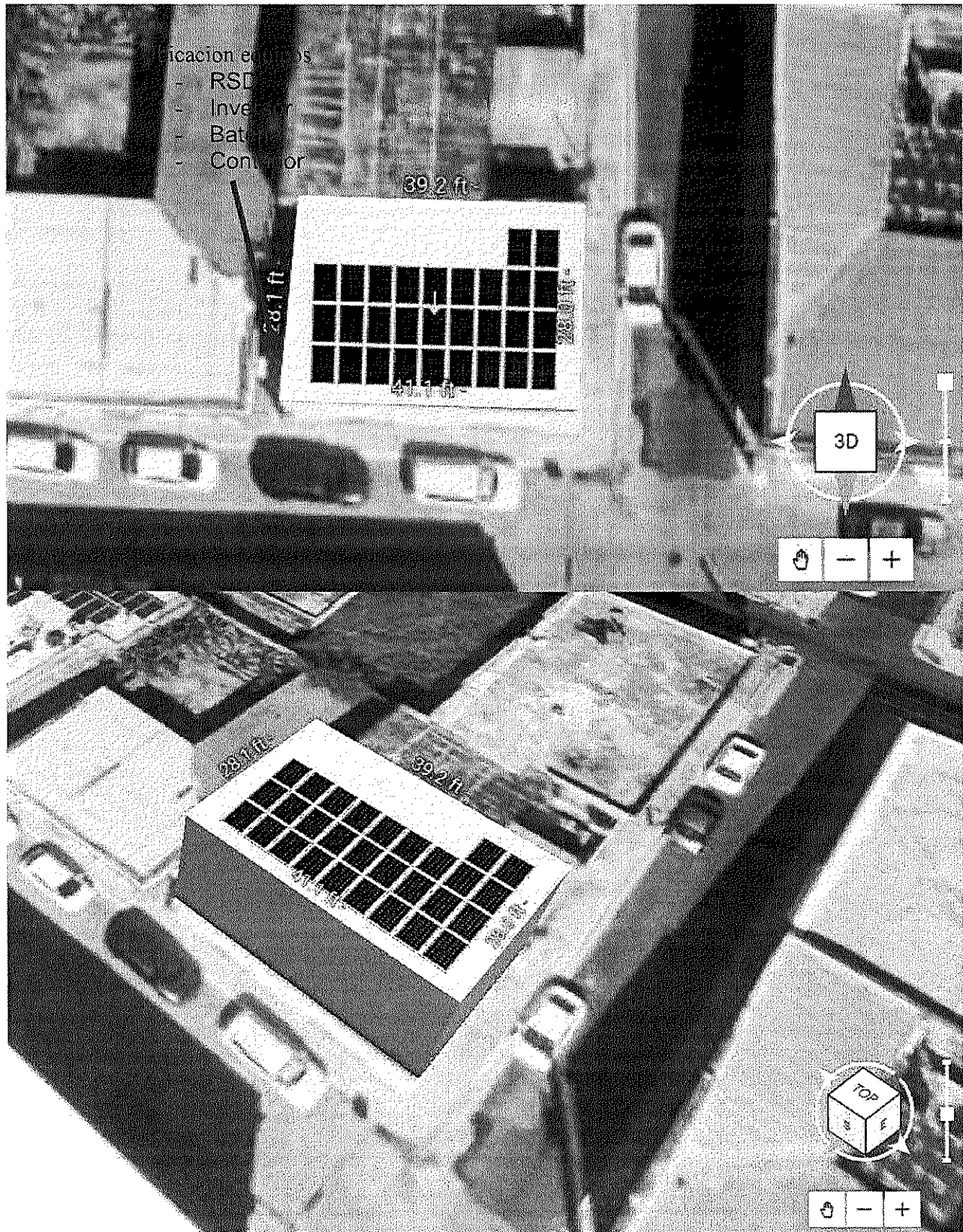
<https://pvwatts.nrel.gov/pvwatts.php>

1/2



787-643-6767

info@caribbeansolarenergypr.com



ACUERDO DE INSTALACIÓN

Iniciales

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 INVALIDARÁ 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 NINGUN 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 SERÁ 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 PERIODO 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.
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:

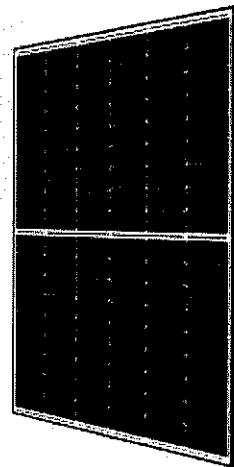
Liza M. Montes Santiago
NOMBRE EN LETRA DE MOLDE

Liza M. Montes Santiago
FIRMA

21/09/2024
FECHA

CARIBBEAN SOLAR ENERGY:

Juan A Echegaray Romero
NOMBRE DE REPRESENTANTE AUTORIZADO
Juan A Echegaray Romero
FIRMA



HiKu6 Mono PERC

395 W ~ 420 W

CS6R-395 | 400 | 405 | 410 | 415 | 420MS-HL

MORE POWER



Module power up to 420 W
Module efficiency up to 21.5 %



Lower LCOE & system cost



Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation



Better shading tolerance

MORE RELIABLE



Minimizes micro-crack impacts



Heavy snow load up to 2100 Pa,
wind load up to 5000 Pa*



Industry Leading Product Warranty on Materials and Workmanship*



Linear Power Performance Warranty*

1st year power degradation no more than 2%
Subsequent annual power degradation no more than 0.55%

*Subject to the terms and conditions contained in the applicable Canadian Solar Limited Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in certain regions.

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2015 / Quality management system
ISO 14001:2015 / Standards for environmental management system
ISO 45001: 2018 / International standards for occupational health & safety

PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730 / CE
CEC listed (US California) / PSEC (US Florida)
UL 61730 / IEC 61701 / IEC 62716
Take-e-way



*The specific certificates applicable to different module types and markets will vary, and therefore not all of the certifications listed herein will simultaneously apply to the products you order or use. Please contact your local Canadian Solar sales representative to confirm the specific certificates available for your Product and applicable in the regions in which the products will be used.

CSI SOLAR (USA) CO., LTD. is committed to providing high quality solar photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey. Over the past 20 years, it has successfully delivered over 70 GW of premium-quality solar modules across the world.

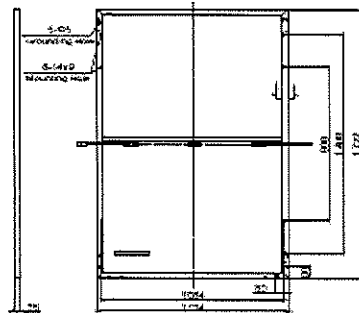
* For detailed information, please refer to the Installation Manual.

CSI SOLAR (USA) CO., LTD.

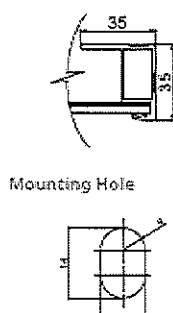
1350 Treat Blvd, Suite 500, Walnut Creek, CA 94598, USA | www.csisolar.com/na | service.ca@csisolar.com

ENGINEERING DRAWING (mm)

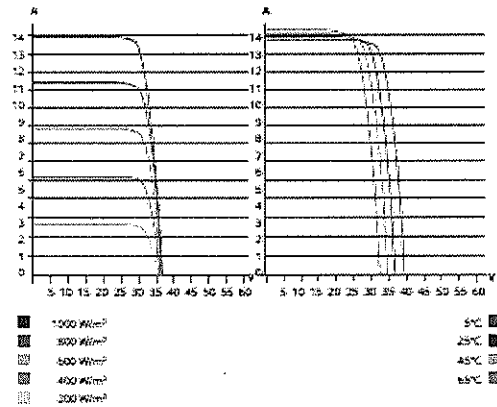
Rear View



Frame Cross Section A-A



CS6R-405MS-HL / I-V CURVES



ELECTRICAL DATA | STC*

CS6R-395/400/405/410/415/420MS-HL

Nominal Max. Power (Pmax)	395 W	400 W	405 W	410 W	415 W	420 W
Opt. Operating Voltage (Vmp)	30.6 V	30.8 V	31.0 V	31.2 V	31.4 V	31.6 V
Opt. Operating Current (Imp)	12.91 A	12.99 A	13.07 A	13.15 A	13.23 A	13.31 A
Open Circuit Voltage (Voc)	36.6 V	36.8 V	37.0 V	37.2 V	37.4 V	37.6 V
Short Circuit Current (Isc)	13.77 A	13.85 A	13.93 A	14.01 A	14.09 A	14.17 A
Module Efficiency	20.2%	20.5%	20.7%	21.0%	21.3%	21.5%
Operating Temperature	-40°C ~ +85°C					
Max. System Voltage	1000V (IEC/UL)					
Module Fire Performance	TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)					
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ +10 W					

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	108 [2 X (9 X 6)]
Dimensions	1722 x 1134 x 35 mm (67.8 x 44.6 x 1.38 in)
Weight	22.4 kg (49.4 lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC), 12 AWG (UL)
Connector	T6, MC4, MC4-EVD2 or MC4-EVO2A
Cable Length (Including Connector)	1550 mm (61.0 in) (+) / 1100 mm (43.3 in) (-)*
Per Pallet	30 pieces
Per Container (40' HQ)	780 pieces

* For detailed information, please contact your local Canadian Solar sales and technical representatives.

ELECTRICAL DATA | NMOT*

CS6R-395/400/405/410/415/420MS-HL

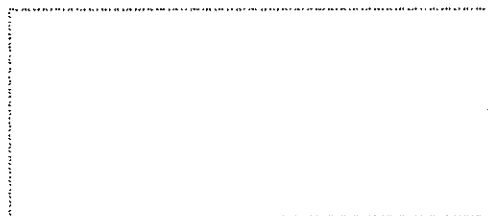
Nominal Max. Power (Pmax)	296 W	300 W	304 W	307 W	311 W	315 W
Opt. Operating Voltage (Vmp)	28.7 V	28.9 V	29.1 V	29.2 V	29.4 V	29.6 V
Opt. Operating Current (Imp)	10.33 A	10.39 A	10.45 A	10.52 A	10.58 A	10.65 A
Open Circuit Voltage (Voc)	34.6 V	34.8 V	35.0 V	35.1 V	35.3 V	35.5 V
Short Circuit Current (Isc)	11.09 A	11.15 A	11.21 A	11.28 A	11.34 A	11.41 A

* Under Nominal Module Operating Temperature (NMOT) irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.34 % / °C
Temperature Coefficient (Voc)	-0.26 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C

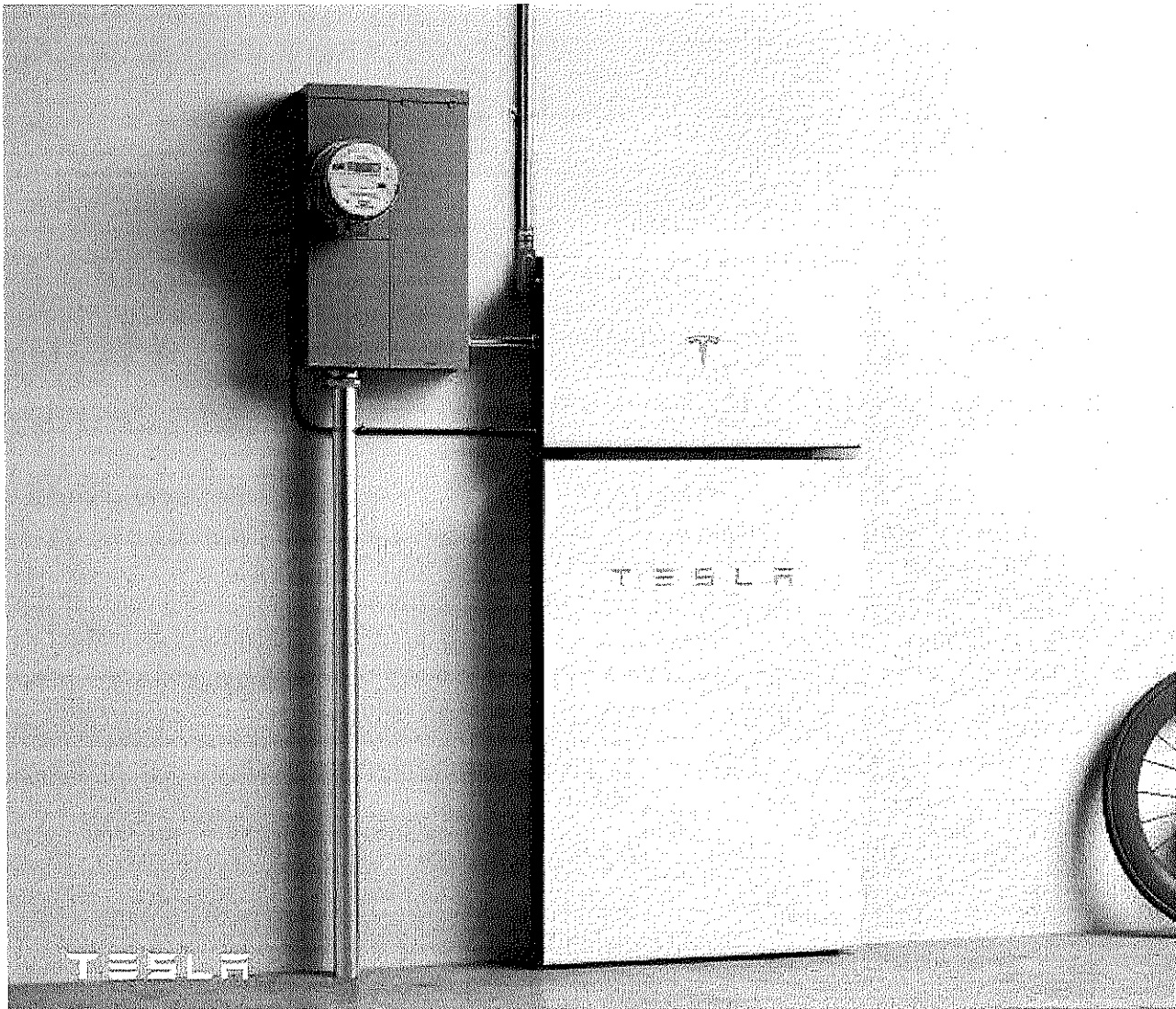
PARTNER SECTION



* The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. CSI Solar Co., Ltd. reserves the right to make necessary adjustments to the information described herein at any time without further notice.
Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

CSI SOLAR (USA) CO., LTD.

Aug 2022 | All rights reserved | PV Module Product Datasheet v1.1C25_F23_J1_NA



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

MSRP \$12,000

1

POWERWALL+

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

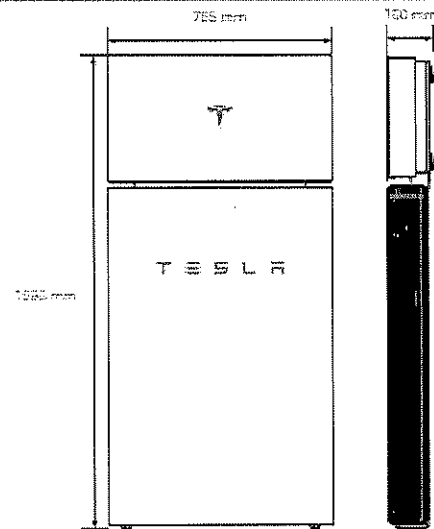
Powerwall+ Model Number	1680000-xx-yy
Solar Assembly Model Number	1638000-xx-yy
Nominal Battery Energy	13.5 kWh
Nominal Grid Voltage (Input / Output)	120/240 VAC
Grid Voltage Range	211.2 - 264 VAC
Frequency	60 Hz
Phase	240 VAC 2W+N+GND
Maximum Continuous Power On-Grid	7.6 kVA full sun / 6.0 kVA no sun 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	88 - 250 VDC
PV DC MPPT Voltage Range	60 - 460 VDC
MPPTs	4 (or 2 combined strings)
Input Connectors per MPPT	1-2-1-2
Maximum Current per MPPT (I_{mp})	13 A (32 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%
Solar Generation CEC Efficiency	97.5% at 200 V 98.3% at 240 V
Customer Interface	Tesla Mobile App
Internet Connectivity	Wi-Fi, Ethernet, Cellular LTE/4G ⁴
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 1599B, UL 1741, UL 3741, UL 1741 SA, UL 1995 (USA), IEC 61647, IEC 61647.1
Battery Energy Storage System Certifications	UL 1642, UL 1741, UL 1741 PCS, UL 1741 SA, UL 1975, UL 3240, IEC 61647, IEC 61647.1, UN38.3
Grid Connection	UN38.3 Status
Emissions	FCC Part 15 Class B
Environmental	RoHS Directive 2011/65/EU
Seismic	ACTEC, IEC 609-2005 (high)

MECHANICAL SPECIFICATIONS

Dimensions	1596 x 755 x 180 mm (62.8 x 29.7 x 6.9 in)
Total Weight	140 kg (310 lb) ⁵
Battery Assembly	119 kg (263 lb)
Solar Assembly	27 kg (60 lb)
Mounting options	Floor or wall mount



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C to 50°C (-4°F to 122°F) ¹
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 2P
Solar Assembly Ingress Rating	IP55 (Wiring Compartment)
Battery Assembly Ingress Rating	IP55 (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 is 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+ brackets, which weighs an additional 9 kg (20 lb).

⁷Performance may be de-rated at operating temperatures below 10°C (50°F) or greater than 45°C (109°F).

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_{sc})	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 Extension
Passive State	Normally open
Maximum Power Consumption	7 W
Warranty	25 Years

COMPLIANCE INFORMATION

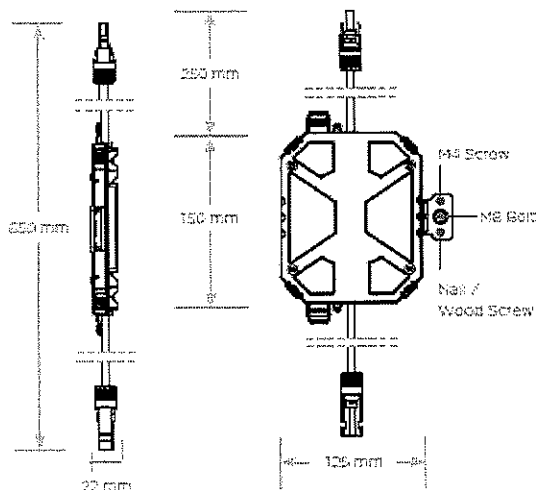
Certifications	UL 1741 PVRS, UL 3741, PVRS (Photovoltaic Rapid Shutdown Array)
RSD Initiation Method	External System Shutdown Switch
Compatible Equipment	See Compatibility Table below

ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature	-30°C to 50°C (-60°F to 122°F)
Storage Temperature	-30°C to 65°C (-22°F to 149°F)
Enclosure Rating	NEMA 4 / IP65

MECHANICAL SPECIFICATIONS

Electrical Connections	MC4 Connector
Housing	Plastic
Dimensions	125 mm x 150 mm x 22 mm 4.9 in x 5.9 in x 0.9 in
Weight	350 g (0.77 lb)
Mounting Options	ZEP Home Run Clip M4 Screw (#10) MS Bolt (5/16") Nail / Wood screw



UL 3741 PV HAZARD CONTROL (AND PVRS) COMPATIBILITY

Tesla Solar Roof and Tesla/Zep ZS Arrays using the following modules are certified to UL 3741 and UL 1741 PVRS, 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 V2	1 Solar Shutdown Device per 10 modules
Tesla	Tesla Solar (where xxx = 405 to 450 W, increments of 5)	1 Solar Shutdown Device per 3 modules ¹
Tesla	Tesla Solar (where xxx = 395 to 415 W, increments of 5)	1 Solar Shutdown Device per 3 modules
Harman	Q-PEAK DUO BLK-33	1 Solar Shutdown Device per 3 modules
Harman	Q-PEAK DUO BLK-35+	1 Solar Shutdown Device per 3 modules

¹Exception: Tesla Solar modules installed in locations where the max voltage for three modules at low design temperatures exceeds 100 V shall be in 100 to 120 modules between MCs.

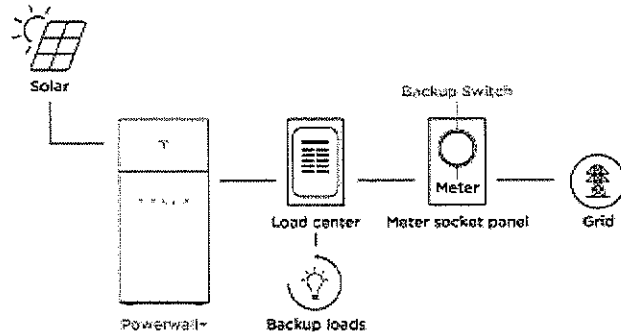
TESLA, INC.

10/2020 (REV. 1)

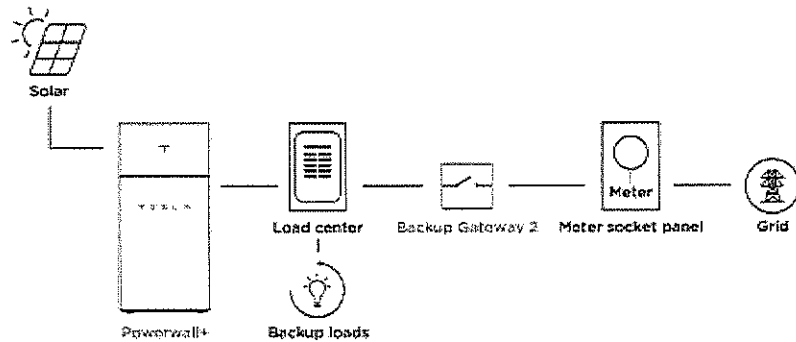
TESLA.COM/ENERGY

SYSTEM LAYOUTS

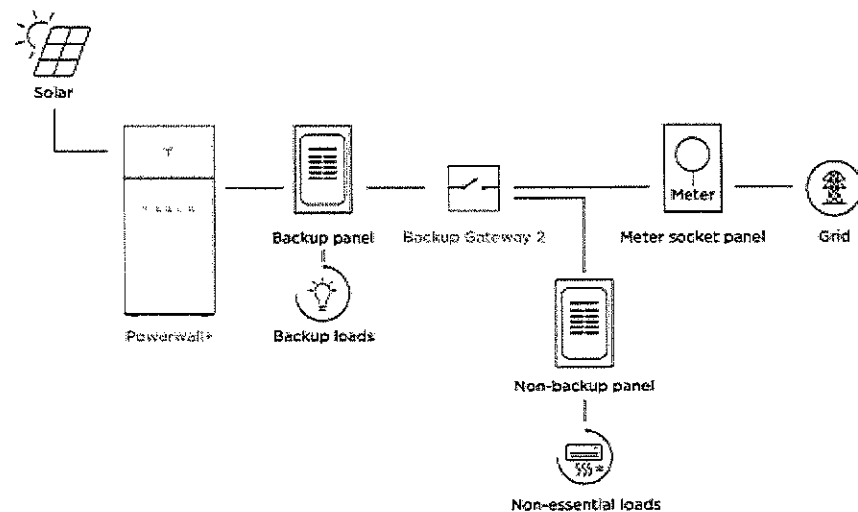
Powerwall+ with Backup Switch for Whole Home Backup

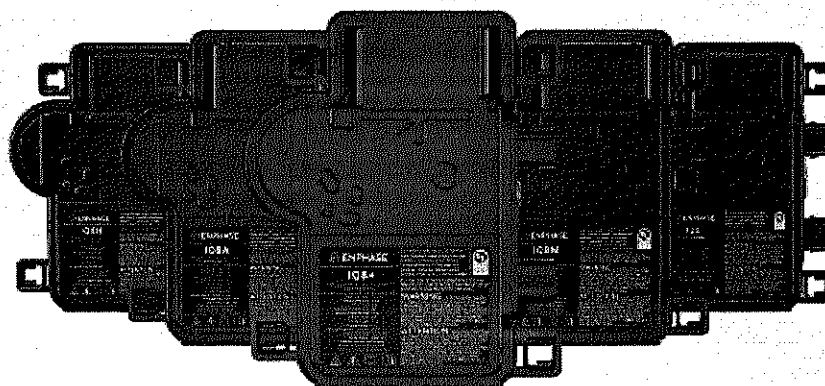


Powerwall+ with Backup Gateway 2 for Whole Home Backup



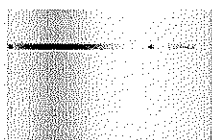
Powerwall+ with Backup Gateway 2 for Partial Home Backup





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-DC-C-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	IQ8K-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, 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	36 - 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			
Overtoltage 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	IQ8K-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	358	364	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			50			
Extended frequency range	Hz			50 - 88			
AC short circuit fault current over 3 cycles	A _{sc}			2			4.4
Max units per 20 A (L-L) branch circuit ⁵		16	13	11	11	10	9
Total harmonic distortion				<5%			
Overtoltage 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			50			
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 C22.2-2016 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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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

Discover.

Connect.

Ask.

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 Requirements											
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 and
ECHO Reports



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-00251

Project: Laboratorio Clinico Innova Lab

Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number PR-ESP-00251 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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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 Cili 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

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



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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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. 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: maritazarosaolivares@drna.pr.gov

ECHO Reports



Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO - MUNOZ ESSO SVC

CALLE 25 DE JULIO 19A, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110009437779

EPA Region: 02

Latitude: 18.03313

Longitude: -66.8518

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, (PRR000008722)

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		110009437779					N	18.03313	-66.8518
RCRAInfo	RCRA	PRR000008722	Other	Inactive ()			N	18.033374	-66.848836

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110009437779	ESSO STANDARD OIL CO - MUNOZ ESSO SVC	CALLE 25 DE JULIO 19A, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000008722	ESSO STANDARD OIL CO - MUNOZ ESSO SVC	CALLE 25 DE JULIO 19A, YAUCO, PR 00698-3604	Yauco 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	PRR000008722	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: PRR000008722)	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	9,443	Children 5 years and younger	456 (5%)
Population Density	3,029/sq.mi.	Minors 17 years and younger	1,772 (19%)
Housing Units in Area	5,189	Adults 18 years and older	7,671 (81%)
Percent People of Color	100%	Seniors 65 years and older	2,081 (22%)
Households in Area	3,571	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	613	White	6,677 (71%)
Persons With Low Income	7,245	African-American	434 (5%)
Percent With Low Income	77%	Hispanic-Origin	9,389 (99%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.03313	American Indian	24 (0%)
Center Longitude	-66.8518	Other/Multiracial	1,344 (14%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	738 (10.89%)
Water Area	0%	9th through 12th Grade	374 (5.52%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	2,287 (33.74%)
Less than \$15,000	1,472 (41.16%)	Some College/2-year	604 (8.91%)
\$15,000 - \$25,000	601 (16.81%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,115 (31.2%)
\$25,000 - \$50,000	909 (25.42%)		
\$50,000 - \$75,000	376 (10.51%)		
Greater than \$75,000	218 (6.1%)		



Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO - PR CO-408
PR-116 CRUCE CUATRO CALLES, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110004892215

EPA Region: 02

Latitude: 18.032355

Longitude: -66.852698

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): Active VSQG, (PRR000002501)
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		110004892215					N	18.032355	-66.852698
ICIS		600007637					N	18.0375	-66.841667
RCRAInfo	RCRA	PRR000002501	VSQG	Active (H)			N	18.032355	-66.852698

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004892215	ESSO STANDARD OIL CO - PR CO-408	PR-116 CRUCE CUATRO CALLES, YAUCO, PR 00698	Yauco Municipio
ICIS		600007637	ESSO S/S #408	RD. 4 YAUCO SHOPPING CTR, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000002501	ESSO STANDARD OIL CO - PR CO-408	CARR 116 CRUCE CUATRO CALLES, YAUCO, PR 00698	Yauco 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	PRR000002501	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: PRR000002501)	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	10,147	Children 5 years and younger	473 (5%)
Population Density	3,254/sq.mi.	Minors 17 years and younger	1,890 (19%)
Housing Units in Area	5,533	Adults 18 years and older	8,256 (81%)
Percent People of Color	100%	Seniors 65 years and older	2,229 (22%)
Households in Area	3,848		
Households on Public Assistance	654	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	7,751	White	7,166 (71%)
Percent With Low Income	77%	African-American	463 (5%)
		Hispanic-Origin	10,094 (99%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	25 (0%)
		Other/Multiracial	1,453 (14%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	766 (10.48%)
Center Latitude	18.032355	9th through 12th Grade	385 (5.27%)
Center Longitude	-66.852698	High School Diploma	2,475 (33.85%)
Total Area	--	Some College/2-year	637 (8.71%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,323 (31.77%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,567 (40.74%)		
\$15,000 - \$25,000	655 (17.03%)		
\$25,000 - \$50,000	966 (25.12%)		
\$50,000 - \$75,000	413 (10.74%)		
Greater than \$75,000	245 (6.37%)		



Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO PR 2P-397

36 25 DE JULIO ST, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110012259616

EPA Region: 02

Latitude: 18.03339

Longitude: -66.8504

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): Active VSQG, (PRR000014233)

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		110012259616					N	18.03339	-66.8504
RCRAInfo	RCRA	PRR000014233	VSQG	Active (H)			N	18.033401	-66.850453

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110012259616	ESSO STANDARD OIL CO PR 2P-397	36 25 DE JULIO ST, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000014233	ESSO STANDARD OIL CO PR 2P-397	36 25 DE JULIO ST, YAUCO, PR 00698	Yauco 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	PRR000014233	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: PRR000014233)	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	8,750	Children 5 years and younger	427 (5%)
Population Density	2,806/sq.mi.	Minors 17 years and younger	1,645 (19%)
Housing Units in Area	4,822	Adults 18 years and older	7,105 (81%)
Percent People of Color	100%	Seniors 65 years and older	1,927 (22%)
Households in Area	3,289		
Households on Public Assistance	557	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,728	White	6,164 (70%)
Percent With Low Income	78%	African-American	403 (5%)
		Hispanic-Origin	8,699 (99%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	23 (0%)
		Other/Multiracial	1,247 (14%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	700 (11.21%)
Center Latitude	18.03339	9th through 12th Grade	360 (5.76%)
Center Longitude	-66.8504	High School Diploma	2,099 (33.61%)
Total Area	--	Some College/2-year	565 (9.05%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,900 (30.42%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,357 (41.28%)		
\$15,000 - \$25,000	538 (16.37%)		
\$25,000 - \$50,000	867 (26.38%)		
\$50,000 - \$75,000	339 (10.31%)		
Greater than \$75,000	186 (5.66%)		



Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO PR CO-402

PR-128 KM 0.6 LA TROCHA FIN, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110022478335

EPA Region: 02

Latitude: 18.039115

Longitude: -66.853968

Locational Data Source: FRS

Industries: Gasoline Stations

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, (PRR000017798)

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		110022478335					N	18.039115	-66.853968
RCRAInfo	RCRA	PRR000017798	VSQG	Active (H)			N	18.291937	-66.875306

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110022478335	ESSO STANDARD OIL CO PR CO-402	PR-128 KM 0.6 LA TROCHA FIN, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000017798	ESSO STANDARD OIL CO PR CO-402	CARR #128 KM 0.6 LA TROCHA FIN, YAUCO, PR 00698	Yauco 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
RCRAInfo	PRR000017798	44719	Other Gasoline Stations

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	PRR000017798	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: PRR000017798)		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	8,426	Children 5 years and younger	440 (5%)
Population Density	2,703/sq.mi.	Minors 17 years and younger	1,530 (18%)
Housing Units in Area	4,804	Adults 18 years and older	6,896 (82%)
Percent People of Color	99%	Seniors 65 years and older	1,927 (23%)
Households in Area	3,195		
Households on Public Assistance	571	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,502	White	6,132 (73%)
Percent With Low Income	78%	African-American	376 (4%)
		Hispanic-Origin	8,357 (99%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	19 (0%)
		Other/Multiracial	1,141 (14%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	739 (12.11%)
Center Latitude	18.039115	9th through 12th Grade	373 (6.11%)
Center Longitude	-66.853968	High School Diploma	2,041 (33.45%)
Total Area	--	Some College/2-year	521 (8.54%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,849 (30.3%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,309 (40.97%)		
\$15,000 - \$25,000	571 (17.87%)		
\$25,000 - \$50,000	820 (25.67%)		
\$50,000 - \$75,000	336 (10.52%)		
Greater than \$75,000	159 (4.98%)		



Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO PR DO-395
25 DE JULIO ST #21, YAUCO, PR 00698
FRS (Facility Registry Service) ID: 110004895711
EPA Region: 02
Latitude: 18.033384
Longitude: -66.84675
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, (PRR000012807)
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		110004895711					N	18.033384	-66.84675
RCRAInfo	RCRA	PRR000012807	Other	Inactive ()			N	18.033384	-66.84675

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004895711	ESSO STANDARD OIL CO PR DO-395	25 DE JULIO ST #21, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000012807	ESSO STANDARD OIL CO PR DO-395	25 DE JULIO ST #21, YAUCO, PR 00698	Yauco 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	PRR000012807	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: PRR000012807)	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	7,353	Children 5 years and younger	337 (5%)
Population Density	2,358/sq.mi.	Minors 17 years and younger	1,276 (17%)
Housing Units in Area	4,117	Adults 18 years and older	6,078 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,628 (22%)
Households in Area	2,747	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	431	White	5,108 (69%)
Persons With Low Income	5,681	African-American	309 (4%)
Percent With Low Income	78%	Hispanic-Origin	7,307 (99%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.033384	American Indian	19 (0%)
Center Longitude	-66.84675	Other/Multiracial	1,079 (15%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	590 (11.14%)
Water Area	0%	9th through 12th Grade	333 (6.29%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,804 (34.08%)
Less than \$15,000	1,129 (41.1%)	Some College/2-year	487 (9.2%)
\$15,000 - \$25,000	435 (15.84%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,539 (29.07%)
\$25,000 - \$50,000	764 (27.81%)		
\$50,000 - \$75,000	284 (10.34%)		
Greater than \$75,000	135 (4.91%)		



Detailed Facility Report

Facility Summary
MUNICIPALITY OF YAUCO

SANTIAGO BIBALDI STREET, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110044243850

EPA Region: 02

Latitude: 18.03403

Longitude: -66.85037

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	04/21/2025
Compliance Status	Unknown
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): Non-Major, Permit Expired; Compliance Tracking Partially Off (PRR040077)

Resource Conservation and Recovery Act (RCRA): No Information

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		110044243850					N	18.03403	-66.85037
ICIS-NPDES	CWA	PRR040077	Non-Major: General Permit Covered Facility	Expired; Compliance Tracking Partially Off	Urban Stormwater (Small MS4)	06/30/2021	N	18.03405	-66.84792

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110044243850	MUNICIPALITY OF YAUCO	SANTIAGO BIBALDI STREET, YAUCO, PR 00698	
ICIS-NPDES	CWA	PRR040077	MUNICIPALITY OF YAUCO	SANTIAGO BIBALDI STREET, YAUCO, PR 00698	Yauco Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline 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)
CWA	PRR040077	ICIS-NPDES	Offsite Record Review	Urban Stormwater (MS4) - Desk Audit	EPA	04/21/2025	

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
CWA	PRR040077	No	12/31/2024	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
	CWA (Source ID: PRR040077)	01/01-03/31/22	04/01-06/30/22	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
	Facility-Level Status	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
	Quarterly Noncompliance Report History	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined

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?
210100040202	Rio Yauco at mouth	--	No	No	--	Yes

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
PR	2024	PRSR68A1	RIO YAUCO	Impaired - 303(d) Listed - With Restoration Plan	NUTRIENTS ORGANIC ENRICHMENT/OXYGEN DEPLETION PATHOGENS	Not Supporting	Not Supporting	--	Not Supporting	--

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

CWA (Clean Water Act) Discharge Monitoring Report (DMR)

DMR and TRI Multi-Year Loading Report

Pollutant Loadings

NPDES ID	Description
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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	8,391	Children 5 years and younger	420 (5%)
Population Density	2,691/sq.mi.	Minors 17 years and younger	1,582 (19%)
Housing Units in Area	4,673	Adults 18 years and older	6,806 (81%)
Percent People of Color	99%	Seniors 65 years and older	1,860 (22%)
Households in Area	3,156		
Households on Public Assistance	548		
Persons With Low Income	6,478		
Percent With Low Income	78%		
Geography		Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	White	5,944 (71%)
Center Latitude	18.03403	African-American	389 (5%)
Center Longitude	-66.85037	Hispanic-Origin	8,338 (99%)
Total Area	--	Asian	0 (0%)
Land Area	100%	Hawaiian/Pacific Islander	0 (0%)
Water Area	0%	American Indian	23 (0%)
		Other/Multiracial	1,182 (14%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than \$15,000	1,319 (41.77%)	Less than 9th Grade	688 (11.5%)
\$15,000 - \$25,000	521 (16.5%)	9th through 12th Grade	353 (5.9%)
\$25,000 - \$50,000	822 (26.03%)	High School Diploma	2,014 (33.65%)
\$50,000 - \$75,000	321 (10.16%)	Some College/2-year	549 (9.17%)
Greater than \$75,000	175 (5.54%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,801 (30.09%)



Detailed Facility Report

Facility Summary

ORAL-B LABS MANUFACTURING CORP OF PR

PR-335 KM 0.4, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110002466581

EPA Region: 02

Latitude: 18.030189

Longitude: -66.846419

Locational Data Source: TRIS

Industries: Chemical Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	09/09/2005
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, (PRD105820815)

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): 00768RLBLBSTATE

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		110002466581					N	18.030189	-66.846419
TRI	EP313	00768RLBLBSTATE	Toxics Release Inventory	Last Reported for 1987			N	18.030189	-66.846419
RCRAInfo	RCRA	PRD105820815	Other	Inactive ()			N	18.030189	-66.846419

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110002466581	ORAL-B LABS MANUFACTURING CORP OF PR	PR-335 KM 0.4, YAUCO, PR 00698	Yauco Municipio
TRI	EP313	00768RLBLBSTATE	ORAL-B LABS MANUFACTURING CORP OF PR	STATE RD 335, KM 04, YAUCO, PR 007691657	Yauco Municipio
RCRAInfo	RCRA	PRD105820815	ORAL-B LABORATORIES MFG OF PR	STATE RD 335 KM 0.4, YAUCO, PR 00768	Yauco Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00768RLBLBSTATE	2844	Toilet Preparations

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00768RLBLBSTATE	325611	Soap and Other Detergent 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	PRD105820815	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: PRD105820815)	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	7,819	Children 5 years and younger	327 (4%)
Population Density	2,508/sq.mi.	Minors 17 years and younger	1,418 (18%)
Housing Units in Area	4,247	Adults 18 years and older	6,403 (82%)
Percent People of Color	100%	Seniors 65 years and older	1,664 (21%)
Households in Area	2,875	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	431	White	5,409 (69%)
Persons With Low Income	5,978	African-American	341 (4%)
Percent With Low Income	77%	Hispanic-Origin	7,779 (99%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.030189	American Indian	21 (0%)
Center Longitude	-66.846419	Other/Multiracial	1,147 (15%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	579 (10.42%)
Water Area	0%	9th through 12th Grade	331 (5.96%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,896 (34.13%)
Less than \$15,000	1,127 (39.23%)	Some College/2-year	501 (9.02%)
\$15,000 - \$25,000	453 (15.77%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,665 (29.97%)
\$25,000 - \$50,000	814 (28.33%)		
\$50,000 - \$75,000	310 (10.79%)		
Greater than \$75,000	169 (5.88%)		



Detailed Facility Report

Facility Summary
PR ARMY NATIONAL GUARD

PR-127 KM 0.7, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110007813553

EPA Region: 02

Latitude: 18.033469

Longitude: -66.848879

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, (PR7210420017), Inactive Other, (PRD987382108)
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		110007813553					N	18.033469	-66.848879
RCRAInfo	RCRA	PR7210420017	Other	Inactive ()			N		
RCRAInfo	RCRA	PRD987382108	Other	Inactive ()			N	18.033128	-66.851617

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007813553	PR ARMY NATIONAL GUARD	PR-127 KM 0.7, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PR7210420017	USARC - PFC LUIS F GARCIA OLIVERAS	RD 127 KM 1.0, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRD987382108	PR ARMY NATIONAL GUARD	RD 127 KM 0.7, YAUCO, PR 00698	Yauco 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	PR7210420017	No	05/31/2025	0	05/30/2025
RCRA	PRD987382108	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: PR7210420017)		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											
RCRA (Source ID: PRD987382108)		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

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
PRT210420017	Hazardous Waste	--	159	--	--
PRT210420017	Acute Hazardous Waste	--	0	--	--
PRT210420017	Pharmaceutical Hazardous Waste	--	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	8,123	Children 5 years and younger	394 (5%)
Population Density	2,605/sq.mi.	Minors 17 years and younger	1,502 (18%)
Housing Units in Area	4,496	Adults 18 years and older	6,620 (81%)
Percent People of Color	100%	Seniors 65 years and older	1,790 (22%)
Households in Area	3,039	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	503	White	5,692 (70%)
Persons With Low Income	6,260	African-American	369 (5%)
Percent With Low Income	78%	Hispanic-Origin	8,075 (99%)
		Asian	0 (0%)

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.033469
Center Longitude	-66.848879
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,257 (41.36%)
\$15,000 - \$25,000	484 (15.93%)
\$25,000 - \$50,000	827 (27.21%)
\$50,000 - \$75,000	310 (10.2%)
Greater than \$75,000	161 (5.3%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Hawaiian/Pacific Islander	0 (0%)
American Indian	22 (0%)
Other/Multiracial	1,168 (14%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	657 (11.34%)
9th through 12th Grade	352 (6.08%)
High School Diploma	1,947 (33.61%)
Some College/2-year	531 (9.17%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,721 (29.71%)



Detailed Facility Report

Facility Summary

PREPA – YAUCO TECHNICAL OPERATIONS OFFICE

49 MATIENZO CINTRO ST INT PR-116, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110004891467

EPA Region: 02

Latitude: 18.032723

Longitude: -66.851437

Locational Data Source: FRS

Industries: Utilities

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, (PRR000000331)

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		110004891467					N	18.032723	-66.851437
RCRAInfo	RCRA	PRR000000331	VSQG	Active (H)			N	18.03281	-66.852267

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004891467	PREPA - YAUCO TECHNICAL OPERATIONS OFFICE	49 MATIENZO CINTRO ST INT PR-116, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000000331	LUMA - YAUCO DISTRICT OFFICE LINES	49 MATIENZO CINTRO ST INT PR 116, YAUCO, PR 00698	Yauco 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	PRR000000331	22112	Electric Power Transmission, Control, and Distribution

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	PRR000000331	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: PRR000000331)		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?
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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	9,516	Children 5 years and younger	450 (5%)
Population Density	3,052/sq.mi.	Minors 17 years and younger	1,780 (19%)
Housing Units in Area	5,195	Adults 18 years and older	7,734 (81%)
Percent People of Color	100%	Seniors 65 years and older	2,089 (22%)
Households in Area	3,590		
Households on Public Assistance	603	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	7,284	White	6,699 (70%)
Percent With Low Income	77%	African-American	436 (5%)
		Hispanic-Origin	9,464 (99%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	24 (0%)
		Other/Multiracial	1,363 (14%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	735 (10.77%)
Center Latitude	18.032723	9th through 12th Grade	374 (5.48%)
Center Longitude	-66.851437	High School Diploma	2,301 (33.71%)
Total Area	--	Some College/2-year	603 (8.84%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,128 (31.18%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,466 (40.84%)		
\$15,000 - \$25,000	596 (16.6%)		
\$25,000 - \$50,000	928 (25.85%)		
\$50,000 - \$75,000	381 (10.61%)		
Greater than \$75,000	219 (6.1%)		



Detailed Facility Report

Facility Summary
SHELL CO PR LTD SS 1627 GARAJE SAN JOSE
68 25 DE JULIO ST, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110004893036
EPA Region: 02
Latitude: 18.03295
Longitude: -66.85204
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, (PRR000005405)
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		110004893036					N	18.03295	-66.85204
ICIS		1400002779					N	18.032778	-66.8525
RCRAInfo	RCRA	PRR000005405	Other	Inactive ()			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004893036	SHELL CO PR LTD SS 1627 GARAJE SAN JOSE	68 25 DE JULIO ST, YAUCO, PR 00698	Yauco Municipio
ICIS		1400002779	SHELL #1627	25 DE JULIO #68, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000005405	SHELL CO PR LTD SS 1627 GARAJE SAN JOSE	68 25 DE JULIO ST, YAUCO, PR 00698-3512	Yauco 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	PRR000005405	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: PRR000005405)	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	9,629	Children 5 years and younger	460 (5%)
Population Density	3,088/sq.mi.	Minors 17 years and younger	1,801 (19%)
Housing Units in Area	5,283	Adults 18 years and older	7,828 (81%)
Percent People of Color	100%	Seniors 65 years and older	2,123 (22%)
Households in Area	3,645	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	622	White	6,808 (71%)
Persons With Low Income	7,379	African-American	443 (5%)
Percent With Low Income	77%	Hispanic-Origin	9,577 (99%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.03295	American Indian	25 (0%)
Center Longitude	-66.85204	Other/Multiracial	1,371 (14%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	748 (10.81%)
Water Area	0%	9th through 12th Grade	375 (5.42%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	2,338 (33.78%)
Less than \$15,000	1,496 (41.04%)	Some College/2-year	612 (8.84%)
\$15,000 - \$25,000	617 (16.93%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,169 (31.34%)
\$25,000 - \$50,000	921 (25.27%)		
\$50,000 - \$75,000	386 (10.59%)		
Greater than \$75,000	225 (6.17%)		



Detailed Facility Report

Facility Summary

SHELL CO PR LTD SS 804347 YAUCO

PR-376 KM 0.19, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110007819272

EPA Region: 02

Latitude: 18.037079

Longitude: -66.85706

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, (PRR000005785)

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		110007819272					N	18.037079	-66.85706
RCRAInfo	RCRA	PRR000005785	Other	Inactive ()			N	18.037079	-66.85706

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007819272	SHELL CO PR LTD SS 804347 YAUCO	PR-376 KM 0.19, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000005785	SHELL CO PR LTD SS 804347 YAUCO	RD PR 376 KM 0.19, YAUCO, PR 00698	Yauco 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	PRR000005785	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: PRR000005785)	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	11,211	Children 5 years and younger	530 (5%)
Population Density	3,596/sq.mi.	Minors 17 years and younger	2,067 (18%)
Housing Units in Area	6,089	Adults 18 years and older	9,146 (82%)
Percent People of Color	99%	Seniors 65 years and older	2,524 (23%)
Households in Area	4,277		
Households on Public Assistance	744	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	8,579	White	8,096 (72%)
Percent With Low Income	77%	African-American	499 (4%)
		Hispanic-Origin	11,138 (99%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	24 (0%)
		Other/Multiracial	1,580 (14%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	920 (11.26%)
Center Latitude	18.037079	9th through 12th Grade	435 (5.33%)
Center Longitude	-66.85706	High School Diploma	2,779 (34.03%)
Total Area	--	Some College/2-year	670 (8.2%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,584 (31.64%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,714 (40.05%)		
\$15,000 - \$25,000	777 (18.15%)		
\$25,000 - \$50,000	1,073 (25.07%)		
\$50,000 - \$75,000	460 (10.75%)		
Greater than \$75,000	256 (5.98%)		



Detailed Facility Report

Facility Summary

TEXACO PR INC – JUAN GARCIA PACHECO

25 JULIO 9, YAUCO, PR 00768

FRS (Facility Registry Service) ID: 110009437500

EPA Region: 02

Latitude: 18.0334

Longitude: -66.848365

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, (PRR000003277)

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		110009437500					N	18.0334	-66.848365
RCRAInfo	RCRA	PRR000003277	Other	Inactive ()			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110009437500	TEXACO PR INC - JUAN GARCIA PACHECO	25 JULIO 9, YAUCO, PR 00768	Yauco Municipio
RCRAInfo	RCRA	PRR000003277	TEXACO PR INC - JUAN GARCIA PACHECO	25 JULIO 9, YAUCO, PR 00768	Yauco 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
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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	PRR000003277	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: PRR000003277)	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?
--	---	---	---------------------------------	--------------------------------------	--	---

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)
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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	7,975	Children 5 years and younger	382 (5%)
Population Density	2,558/sq.mi.	Minors 17 years and younger	1,459 (18%)
Housing Units in Area	4,416	Adults 18 years and older	6,515 (82%)
Percent People of Color	100%	Seniors 65 years and older	1,756 (22%)
Households in Area	2,981	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	487	White	5,573 (70%)
Persons With Low Income	6,144	African-American	357 (4%)
Percent With Low Income	78%	Hispanic-Origin	7,926 (99%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.0334	American Indian	21 (0%)
Center Longitude	-66.848365	Other/Multiracial	1,154 (14%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	644 (11.31%)
Water Area	0%	9th through 12th Grade	347 (6.1%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,918 (33.7%)
Less than \$15,000	1,229 (41.23%)	Some College/2-year	522 (9.17%)
\$15,000 - \$25,000	473 (15.87%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,687 (29.64%)
\$25,000 - \$50,000	818 (27.44%)		
\$50,000 - \$75,000	306 (10.27%)		
Greater than \$75,000	155 (5.2%)		



Detailed Facility Report

Facility Summary

YAUCO SS 0493

CALLE 25 DE JULIO, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110004892741

EPA Region: 02

Latitude: 18.03313

Longitude: -66.8518

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, (PRR000004259)

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		110004892741					N	18.03313	-66.8518
RCRAInfo	RCRA	PRR000004259	Other	Inactive ()			N	18.033384	-66.84675

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004892741	YAUCO SS 0493	CALLE 25 DE JULIO, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000004259	YAUCO SS 0493	CALLE 25 DE JULIO, YAUCO, PR 00698-3604	Yauco 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	PRR000004259	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: PRR000004259)	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)
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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	9,443	Children 5 years and younger	456 (5%)
Population Density	3,029/sq.mi.	Minors 17 years and younger	1,772 (19%)
Housing Units in Area	5,189	Adults 18 years and older	7,671 (81%)
Percent People of Color	100%	Seniors 65 years and older	2,081 (22%)
Households in Area	3,571	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	613	White	6,677 (71%)
Persons With Low Income	7,245	African-American	434 (5%)
Percent With Low Income	77%	Hispanic-Origin	9,389 (99%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.03313	American Indian	24 (0%)
Center Longitude	-66.8518	Other/Multiracial	1,344 (14%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	738 (10.89%)
Water Area	0%	9th through 12th Grade	374 (5.52%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	2,287 (33.74%)
Less than \$15,000	1,472 (41.16%)	Some College/2-year	604 (8.91%)
\$15,000 - \$25,000	601 (16.81%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,115 (31.2%)
\$25,000 - \$50,000	909 (25.42%)		
\$50,000 - \$75,000	376 (10.51%)		
Greater than \$75,000	218 (6.1%)		

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Property Details for Trocha Street Service Station

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-notices>>

Profile Information

Property Alias

Property Owner **Private**

ACRES Property ID **125690**

Property Address **La Trocha Street #1 Yauco, PR 00698**
Size **.5**
Parcel Numbers
Latitude/
Longitude **18.039969 / -66.852905**
Congressional
District **1**
Property Contact **Madera, Carmen**
cdbgyauco@hotmail.com
787-267-4008

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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 

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Yauco, Municipality of	BF97244008	PR	Assessment	2008

Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$16,389.00	08/06/2010	12/07/2010	Yauco, Municipality of	Y	FY11

Is Cleanup Necessary? **Unknown**

EPA Assessment Funding: **\$16,389.00**

Leveraged Funding:

Total Funding: **\$16,389.00**

Climate Adaption and Mitigation - Planning or Assessment

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

Contaminants and Media

Contaminant Found

Remediating Action for Contaminants

Contaminant Source
Media Affected
Unknown

Remediating Action for Contaminant
Remediating Action for Media
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 Institutional Controls are required **U**

Categories of Controls

Additional Institutional Controls Information

Address of Data Source (URL if available)

Are Institutional Controls in Place **No**

Date Institutional Controls were put in place

Indicate whether Engineering Controls are required **No**

Categories of Controls

Additional Engineering controls information

Address of Data Source (URL if available)

Indicate whether Engineering Controls are in place **No**

Date Engineering Controls were put in place

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Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

Top of Page

Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

Additional Property Attributes

Property Highlights

Former Use: The Site is a former gasoline service station. The facility is located on the south-east side of state road PR-3372. The section of PR-3372 in which the Site is located is also known as La Trocha Street in the Municipality of Yauco. The exact address of the site is #1 La Trocha Street, Yauco, Puerto Rico. The parcel has a rectangular shape with an area of approximately 2,000 square meter. Most of the Site's outdoor area is paved with concrete. Indoor areas include an office, restrooms, and a storage room. Outdoor areas appear to be designated for fuel dispensing area, vehicle maintenance/check up area, and oil change area. A tire air pump and a water faucet is located near the north east corner of the Site. A manhole which apparently gives access to an underground fuel storage tank was observed on the northwest side of the facility.

Predominant Past Usage

What types of funding are being used on this property?

Petroleum

State and Tribal Program Information

Date No Further Action Letter Received

Date Letter/Signed Report Received from a Qualified Professional

Other Cleanup Documentation



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protections-epa-
and-how-they-
relate-non-
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CONTACT US <<https://www.epa.gov/cleanups/forms/contact-us>>

Property Details for Former Natali Family Residence

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-notices>>

Profile Information

Property Alias

Property Owner **Private**

ACRES Property ID **125704**

Property Address **Pacheco Street #24 Yauco, PR 00698**
Size **.22**
Parcel Numbers
Latitude/
Longitude **18.035338 / -66.851363**
Congressional
District **1**
Property Contact **Madera, Carmen**
cdbgyauco@hotmail.com
787-267-4008

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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
Yauco, Municipality of	BF97244108	PR	Assessment	2008

Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$16,389.00	08/06/2010	12/07/2010	Yauco, Municipality of	Y	FY11

Is Cleanup Necessary? **Unknown**

EPA Assessment Funding: **\$16,389.00**

Leveraged Funding:

Total Funding: **\$16,389.00**

Climate Adaption and Mitigation - Planning or Assessment

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

Contaminants and Media

Contaminant Found

Remediating Action for Contaminants

Contaminant Name

Media Affected
Unknown

Remediating Action for Contaminant

Remediating Action for Media
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 Institutional Controls are required **No**

Categories of Controls

Additional Institutional Controls Information

Address of Data Source (URL if available)

Are Institutional Controls in Place **No**

Date Institutional Controls were put in place

Indicate whether Engineering Controls are required **No**

Categories of Controls

Additional Engineering controls information

Address of Data Source (URL if available)

Indicate whether Engineering Controls are in place **No**

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:

Top of Page

Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

Additional Property Attributes

Property
Highlights

Former Use: The Site is a parcel with an area of approximately 900 square meters of area located in the urban center in the Municipality. The Site has a brick house, which was built in the 1800s. Currently the Site's structure is in very poor conditions. The structure's facade survives but observations of the inside reveal that much of the roof, walls, and floors are missing, or in advanced deterioration. A floor plan was not prepared for the brick structure since MPPR could not gain access to its interior due to safety reasons.

Predominant Past
Usage

What types of
funding are being
used on this prop-
erty?

Hazardous

State and Tribal
Program
Information

Date No Further
Action Letter
Received

Date Letter/Signed
Report Received
from a Qualified
Professional

Other Cleanup
Documentation



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Property Details for Muñoz Auto Parts

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- Profile Information
- Property Location
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- CAs Associated with this Property
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- 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-notices>>

Profile Information

Property Alias

Property Owner **Private**

ACRES Property ID **125689**

Property Address **Corner of Betances Street and Santiago Vivaldi Avenue Yauco, PR 00698**

Size **.1**

Parcel Numbers

Latitude/
Longitude **18.034100 / -66.849008**

Congressional
District **1**

Property Contact **Madera, Carmen**
 cdbgyauco@hotmail.com
 787-267-4008

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Property Location

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Property Progress

Assessment 

Clean Up 

Institutional
Controls in Place 

Engineering
Controls in Place 

Ready for
Anticipated Use 

Redevelopment
Underway 

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Yauco, Municipality of	BF97244008	PR	Assessment	2008

Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$16,389.00	05/25/2010	12/07/2010	Yauco, Municipality of	Y	FY11

Is Cleanup Necessary? **Unknown**

EPA Assessment Funding: **\$16,389.00**

Leveraged Funding:

Total Funding: **\$16,389.00**

Climate Adaption and Mitigation - Planning or Assessment

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

Contaminants and Media

Contaminant Found

Media Affected

Unknown

Remediating Action for Contaminants

Remediating Action for Media

NOT Cleaned up

Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:

Cleanup/Treatment Categories:

Addl Cleanup/Treatment info:

Address of Data Source:

Climate Adaption and Mitigation - Demolition or Cleanup

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

Institutional and Engineering Controls

Indicate whether Institutional Controls are required **U**

Categories of Controls

Additional Institutional Controls Information

Address of Data Source (URL if available)

Are Institutional Controls in Place **No**

Date Institutional
Controls were put
in place

Indicate whether **U**
Engineering
Controls are re-
quired

Categories of
Controls

Additional
Engineering con-
trols information

Address of Data
Source (URL if
available)

Indicate whether **No**
Engineering
Controls are in
place

Date Engineering
Controls were put
in place

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Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

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Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation - Redevelopment

Additional Property Attributes

Property Highlights

Former Use: The Site is located in Betances Street in the municipality of Yauco. The physical address of the facility is the corner of Betances Street and Santiago Vivaldi Avenue. The Site is a brick building of one level located in a land parcel of approximately 0.097 acres. The building occupies approximately 0.094 acres. The Site was constructed in the 1920s and has been operating as an auto part warehouse for approximately 25 years. The access door connects directly to the corner of the Betances street and the Santiago Vivaldi Avenue, and the building has one exit door which connects to an internal patio at the west side of the facility. See Figure No. 3 for a detailed site plan. The building has dimension of approximately eighty 80 feet wide and forty-seven 47 feet in length and has an area of approximately 4,122 square feet. The building's second floor is made of wood and is also a storage area of car motor parts. The building floor, walls and roof are made of concrete.

Predominant Past Usage

What types of funding are being used on this property?

Petroleum

State and Tribal Program Information

Date No Further Action Letter Received

Date Letter/Signed Report Received from a Qualified Professional

Other Cleanup Documentation



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Property Details for Muñoz Rivera Building

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- Redevelopment and Other Leveraged Accomplishments
- Climate Adaption and Mitigation - Redevelopment
- Additional Property Attributes

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

Profile Information

Property Alias

Property Owner **Private**

ACRES Property ID **125703**

Property Address **Luis Muñoz Rivera Street #56 Yauco, PR 00698**
Size **.03**
Parcel Numbers
Latitude/
Longitude **18.036031 / -66.851383**
Congressional
District **1**
Property Contact **Madera, Carmen**
cdbgyauco@hotmail.com
787-267-4008

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Property Location

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Property Progress

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

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Yauco, Municipality of	BF97244108	PR	Assessment	2008

Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$16,389.00	05/25/2010	12/07/2010	Yauco, Municipality of	Y	FY11

Is Cleanup Necessary? **Unknown**

EPA Assessment Funding: **\$16,389.00**

Leveraged Funding:

Total Funding: **\$16,389.00**

Climate Adaption and Mitigation - Planning or Assessment

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

Contaminants and Media

Contaminant Found

Remediating Action for Contaminants

Contaminant Name

Media Affected
Unknown

Remediating Action for Contaminant

Remediating Action for Media
NOT Cleaned up

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Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:

Cleanup/Treatment Categories:

Addl Cleanup/Treatment info:

Address of Data Source:

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Climate Adaption and Mitigation - Demolition or Cleanup

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

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Institutional and Engineering Controls

Indicate whether Institutional Controls are required **No**

Categories of Controls

Additional Institutional Controls Information

Address of Data Source (URL if available)

Are Institutional Controls in Place **No**

Date Institutional Controls were put in place

Indicate whether Engineering Controls are required **No**

Categories of Controls

Additional Engineering controls information

Address of Data Source (URL if available)

Indicate whether Engineering Controls are in place **No**

Date Engineering Controls were put in place

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Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

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Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

Additional Property Attributes

Property Highlights

Former Use: At the time of the ESA the Site showed signs of being abandoned for several years. The site consists of a land parcel of approximately 0.13 acres with a three-story vacant building within the parcel, currently owned by Mrs. Rosa Mar Carrión Ruiz de Esteves. The patio has an area of approximately 3 meters per 30 meters feet. It has an L shape that connects the east side of the property with the back side. The patio is separated from the continuous buildings by a masonry wall of approximately 8 feet tall. The building fully occupies the west side of the parcel with a separation of one foot from the next building wall. The access door connects directly to the Betances street sidewalk, and the building has one exit door which connects to the patio at the east side of the facility. See Figure No.3 for a site plan of the facility. The facility was used since it was constructed in the 1900s as a theater. In recent years a section of the building was also used as a travel agency. The building is approximately thirteen 13 meters in front and thirty 30 meters in length, located in a lot with an area of approximately 512 square meters. The structure's interiors are divided with walls which separate the cinema room, from the receiving area, and the travel agency. The second floor interior walls separate the projection room from the public bathrooms. The third floor is inaccessible and could not be inspected. The building walls are made of concrete, and its roof is consists of a structural steel covered with metal panels. Its ceiling is deteriorated with some acoustic insulator installed. The building's floor has vinyl tiles on all rooms except in the cinema and its access area are covered with rugs. Bathroom floors and walls are finished with ceramic tiles.

Predominant Past Usage

What types of funding are being used on this property?

Hazardous

State and Tribal Program Information

Date No Further Action Letter Received

Date Letter/Signed Report Received from a Qualified Professional

Other Cleanup Documentation



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Property Details for PRIDCO Facility T-12440-79

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- Climate Adaption and Mitigation - Redevelopment
- Additional Property Attributes

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

Profile Information

Property Alias

Property Owner **Government**

ACRES Property ID **125701**

Property Address **State Road PR-127 near kilometer 2.0 Jacanas Industrial Park Yauco, PR 00698**
Size **1.2**
Parcel Numbers
Latitude/
Longitude **18.033014 / -66.843633**
Congressional
District **1**
Property Contact **Madera, Carmen**
cdbgyauco@hotmail.com
787-267-4008

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Property Location

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Property Progress

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

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Yauco, Municipality of	BF97244108	PR	Assessment	2008

Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$16,389.00	08/06/2010	12/07/2010	Yauco, Municipality of	Y	FY20

Is Cleanup Necessary? **Unknown**

EPA Assessment Funding: **\$16,389.00**

Leveraged Funding:

Total Funding: **\$16,389.00**

Climate Adaption and Mitigation - Planning or Assessment

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

Contaminants and Media

Contaminant Found

Remediating Action for Contaminants

Contaminant Name

Media Affected
Unknown

Remediating Action for Contaminant

Remediating Action for Media
NOT Cleaned up

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Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:

Cleanup/Treatment Categories:

Addl Cleanup/Treatment info:

Address of Data Source:

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Climate Adaption and Mitigation - Demolition or Cleanup

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

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Institutional and Engineering Controls

Indicate whether Institutional Controls are required **No**

Categories of Controls

Additional Institutional Controls Information

Address of Data Source (URL if available)

Are Institutional Controls in Place **No**

Date Institutional Controls were put in place

Indicate whether Engineering Controls are required **No**

Categories of Controls

Additional Engineering controls information

Address of Data Source (URL if available)

Indicate whether Engineering Controls are in place **No**

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:

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Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation - Redevelopment

Additional Property Attributes

Property Highlights

As shown on the FEMA FIRM #72000C1615H approved on April 19, 2005 the Site's current flood zone classification is AE. Areas designated as flood zone AE have a 1 percent chance of experiencing a flood each year, and a 26 percent chance of flooding at some point over a 30-year period. Property owners in zone AE are required to purchase flood insurance through the National Flood Insurance Program. Zone AE is considered a special flood hazard area SFHA because it represents an area that will be covered by floodwater during a base flood.

Former Use: The Site, located south of Puerto Rico's state road PR-127 and west of the intersection with state road PR-359 in what is commonly known as the Centro Industrial Jacanas in the Municipality of Yauco, is currently owned by PRIDCO and is known as the PRIDCO Facility T-12440-79 see Figures 1 and 2. At the time of the ESA the Site showed signs of being abandoned for multiple years. The Site consists of a land parcel of approximately 1.2 acres with an access road, two loading decks, unpaved areas and a single, one-story building. Figure 3 shows a site plan of the facility.

Predominant Past Usage

What types of funding are being used on this property?

Hazardous

State and Tribal Program Information

Date No Further Action Letter Received

Date Letter/Signed Report Received from a Qualified Professional

Other Cleanup Documentation



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Property Details for Puerto Rico Army National Guard Armory Building

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-notices>>

Profile Information

Property Alias

Property Owner **Government**

ACRES Property **125685**
ID

Property Address **State Road PR-127 kilometer 1.0 near the Jacanas Industrial Park Yauco, PR 00698**

Size **1.01**

Parcel Numbers

Latitude/ Longitude **18.032894 / -66.844857**

Congressional District **1**

Property Contact **Madera, Carmen**
cdbgyauco@hotmail.com
787-267-4008

Top of Page

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
Yauco, Municipality of	BF97244008	PR	Assessment	2008

[Top of Page](#)

Assessment Activities at this Property

There are no current assessment activities.

Is Cleanup Necessary?

EPA Assessment Funding:

Leveraged Funding:

Total Funding:

Climate Adaption and Mitigation - Planning or Assessment

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

Contaminants and Media

Contaminant Found

Media Affected

Unknown

Remediating Action for Contaminants

Remediating Action for Media

NOT Cleaned up

Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:

Cleanup/Treatment Categories:

Addl Cleanup/Treatment info:

Address of Data Source:

Climate Adaption and Mitigation - Demolition or Cleanup

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

Institutional and Engineering Controls

Indicate whether Institutional Controls are required

U

Categories of Controls

Additional Institutional Controls Information

Address of Data Source (URL if available)

Are Institutional Controls in Place

No

Date Institutional Controls were put in place

Indicate whether Engineering Controls are required

U

Categories of Controls

Additional
Engineering
controls infor-
mation

Address of Data
Source (URL if
available)

Indicate **No**
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:

Top of Page

Climate Adaption and Mitigation – Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

Additional Property Attributes

Property
Highlights

Predominant
Past Usage

What types of **Petroleum**
funding are be-
ing 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



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Property Details for Ramilli Theater

On this page:

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- Cleanup Activities
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- 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 ID **125702**

Property Address **Betances Street #4 Yauco, PR 00698**

Size **.13**

Parcel Numbers

Latitude/
Longitude **18.034489 / -66.848886**

Congressional
District **1**

Property Contact **Madera, Carmen**
 cdbgyauco@hotmail.com
 787-267-4008

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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
Yauco, Municipality of	BF97244108	PR	Assessment	2008

Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$16,389.00	05/25/2010	12/07/2010	Yauco, Municipality of	Y	FY22

Is Cleanup Necessary? **Unknown**

EPA Assessment Funding: **\$16,389.00**

Leveraged Funding:

Total Funding: **\$16,389.00**

Climate Adaption and Mitigation - Planning or Assessment

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

Contaminants and Media

Contaminant Found

Media Affected

Unknown

Remediating Action for Contaminants

Remediating Action for Media

NOT Cleaned up

Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:

Cleanup/Treatment Categories:

Addl Cleanup/Treatment info:

Address of Data Source:

Climate Adaption and Mitigation - Demolition or Cleanup

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

Institutional and Engineering Controls

Indicate whether Institutional Controls are required **No**

Categories of Controls

Additional Institutional Controls Information

Address of Data Source (URL if available)

Are Institutional Controls in Place **No**

Date Institutional
Controls were put
in place

Indicate whether **No**
Engineering
Controls are re-
quired

Categories of
Controls

Additional
Engineering con-
trols information

Address of Data
Source (URL if
available)

Indicate whether **No**
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:

Top of Page

Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation - Redevelopment

Additional Property Attributes

Property Highlights

Former Use: At the time of the ESA the Site showed signs of being abandoned for several years. The site consists of a land parcel of approximately 0.13 acres with a three-story vacant building within the parcel, currently owned by Mrs. Rosa Mar Carrión Ruiz de Esteves. The patio has an area of approximately 3 meters per 30 meters feet. It has an L shape that connects the east side of the property with the back side. The patio is separated from the continuous buildings by a masonry wall of approximately 8 feet tall. The building fully occupies the west side of the parcel with a separation of one foot from the next building wall. The access door connects directly to the Betances street sidewalk, and the building has one exit door which connects to the patio at the east side of the facility. See Figure No.3 for a site plan of the facility. The facility was used since it was constructed in the 1900s as a theater. In recent years a section of the building was also used as a travel agency. The building is approximately thirteen 13 meters in front and thirty 30 meters in length, located in a lot with an area of approximately 512 square meters. The structure's interiors are divided with walls which separate the cinema room, from the receiving area, and the travel agency. The second floor interior walls separate the projection room from the public bathrooms. The third floor is inaccessible and could not be inspected. The building walls are made of concrete, and its roof is consists of a structural steel covered with metal panels. Its ceiling is deteriorated with some acoustic insulator installed. The building's floor has vinyl tiles on all rooms except in the cinema and its access area are covered with rugs. Bathroom floors and walls are finished with ceramic tiles.

Predominant Past Usage

What types of funding are being used on this property?

Hazardous

State and Tribal Program Information

Date No Further Action Letter Received

Date Letter/Signed Report Received from a Qualified Professional

Other Cleanup Documentation



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Appendix 6: USFWS “No Effect” Memo and supporting documentations

Date: May 1, 2025

Applicant ID: PR-ESP-00251

Street Address: 54 Calle Mattei Lluberas, Yauco PR, 00698

Municipality: Yauco

RE: No Effect Determination for PR-ESP-00251

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-00251, located at 54 Calle Mattei Lluberas, Yauco PR, 00698 (Parcel ID# 361-074-057-05-001) 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 Yauco, 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: 18.035800, Longitude: -66.849850 (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 0.03-acres of land located at 54 Calle Mattei Lluberas, Yauco PR, 00698. 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 1977 Earth Explorer and is in the Traditional Urban Center of the municipality of Yauco. Year built circa 1930. 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 72000C1615H dated 4/19/2005 (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 1,074 feet east 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 6, 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 30, 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

May 1, 2025
Date

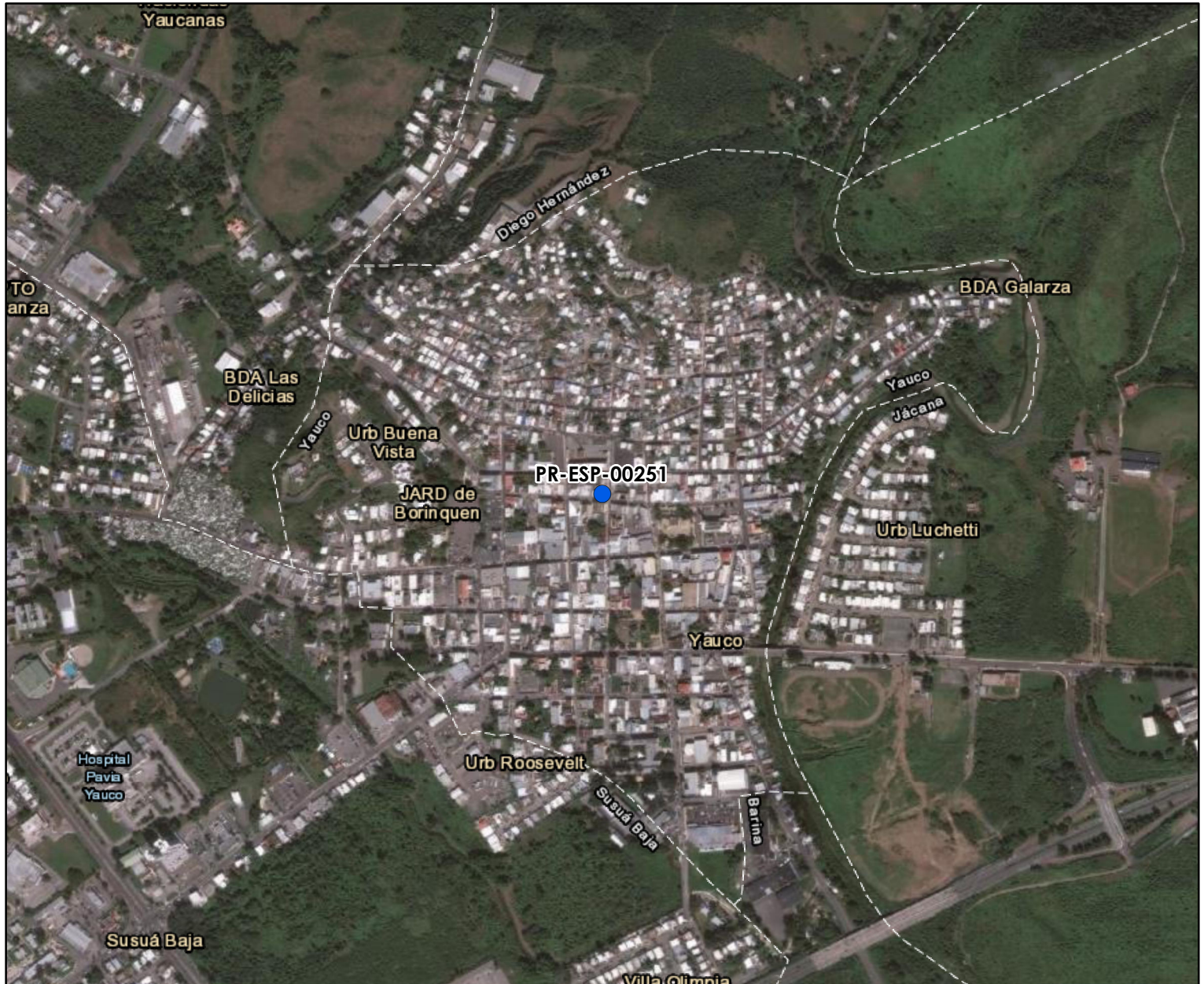
Appendix A: Figures

Figure 1

Location: Aerial Map

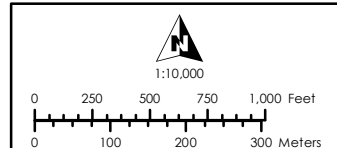
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54 Calle Mattei Lluberias,
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Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

● PR-ESP-00251



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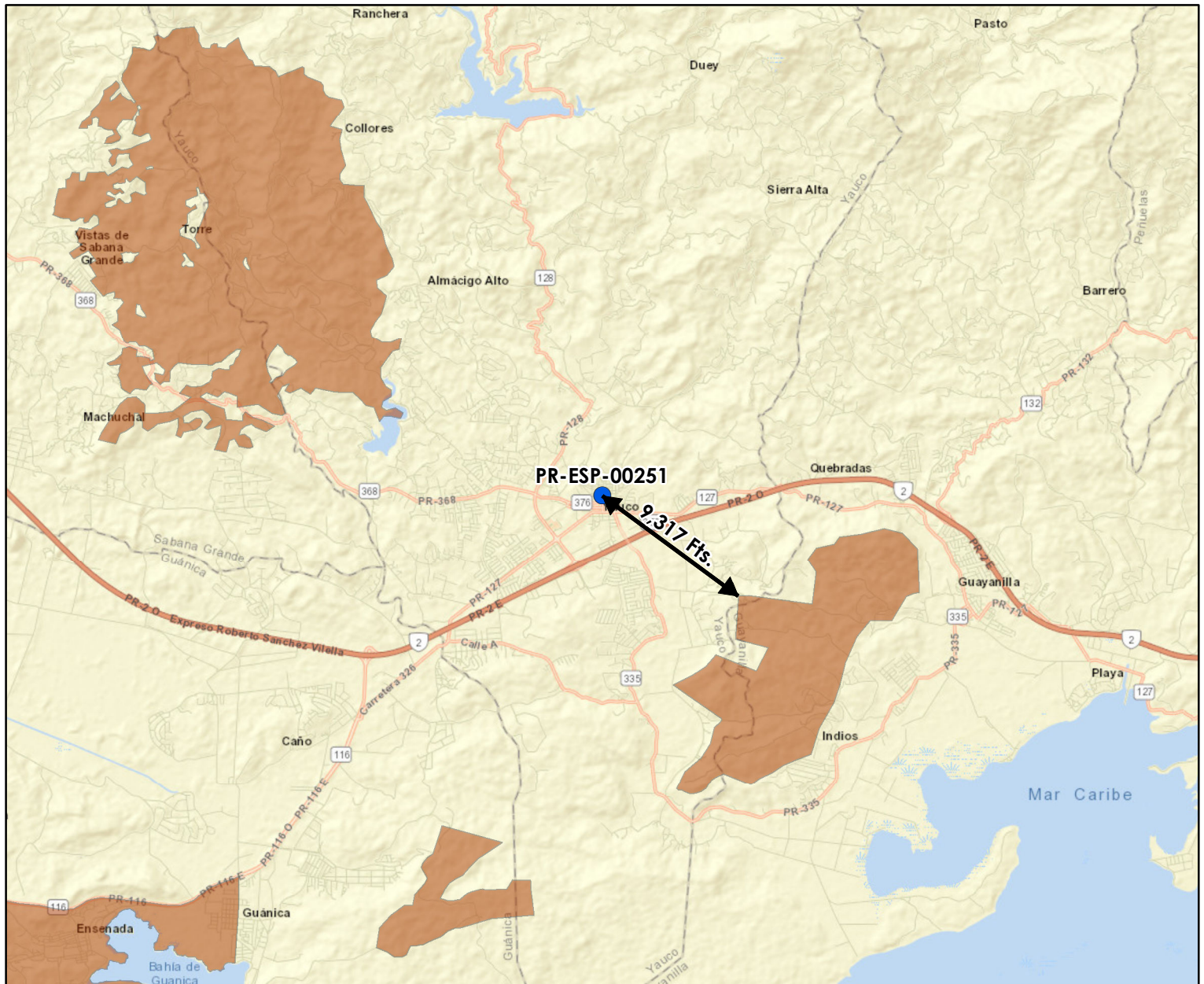
Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
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Figure 2

Threatened and Endangered Species Map

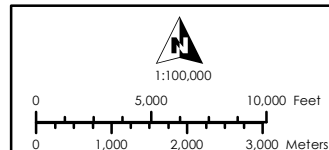
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Critical Habitat



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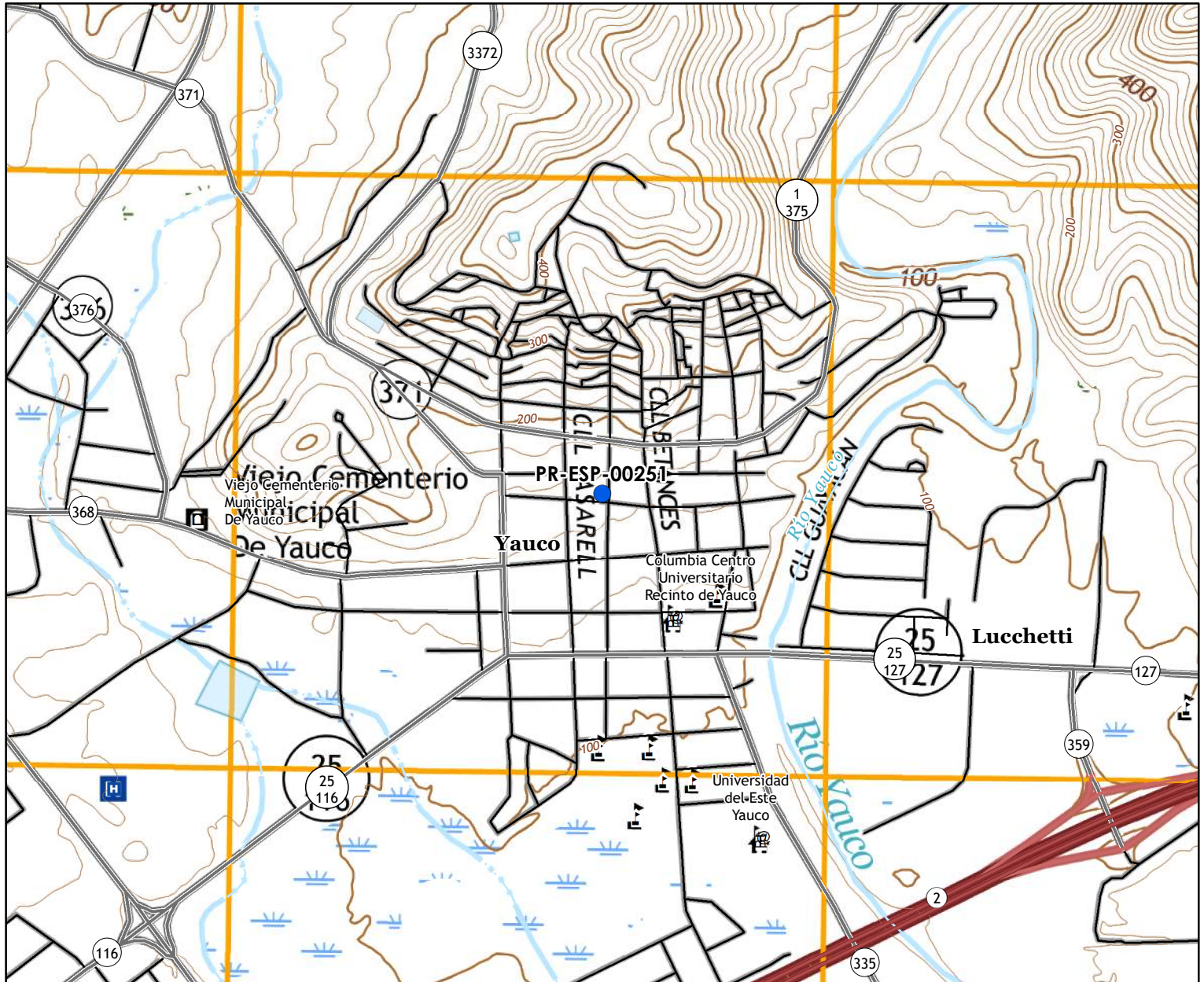
Source:
NOAA Office of Response and Restoration
<https://response.restoration.noaa.gov/>

Figure 3

Location: Topographic Map

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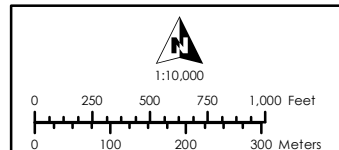
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Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- Elev_Contour

Quadrangle: Yauco



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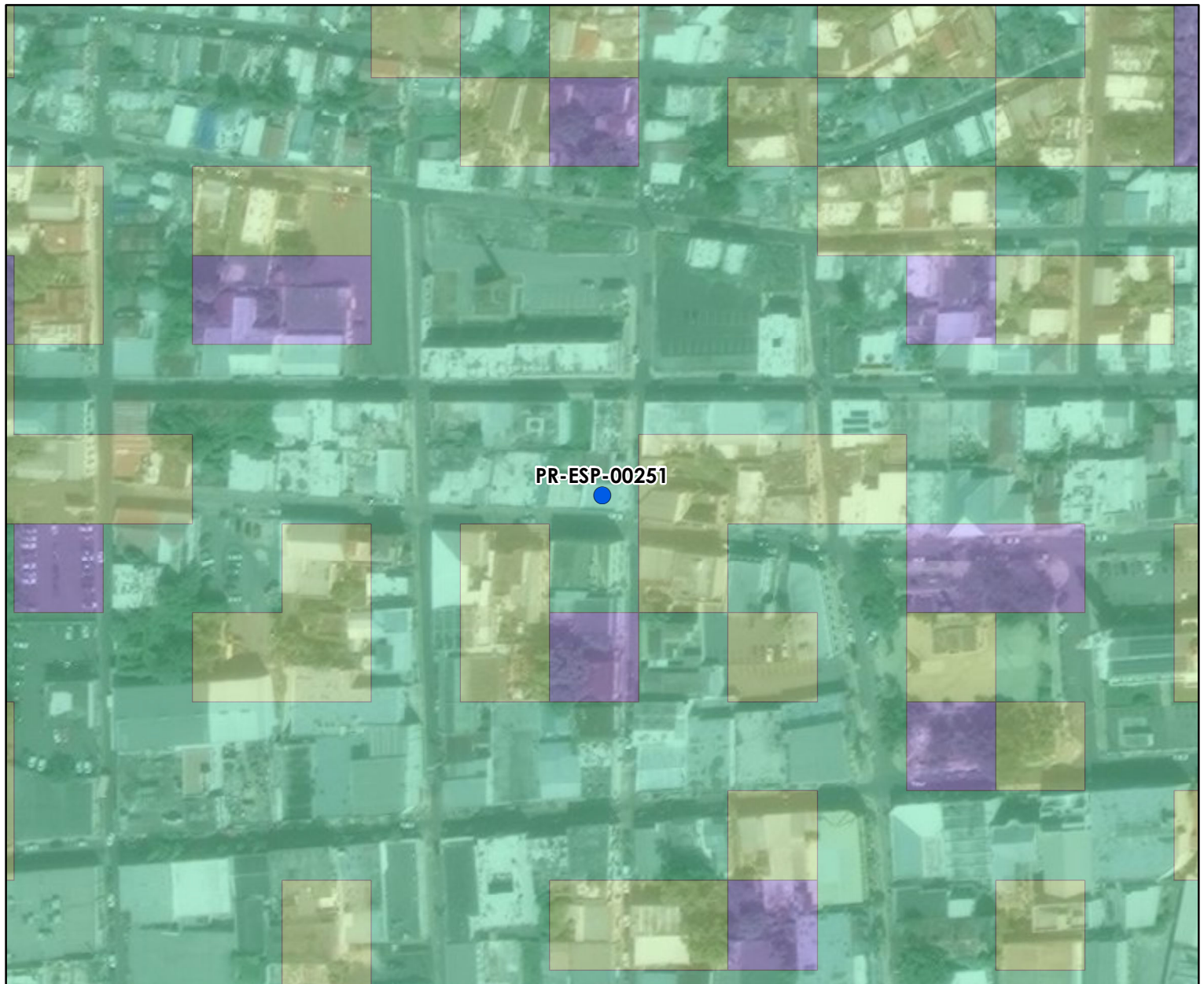
Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

Figure 4

Land Cover Map

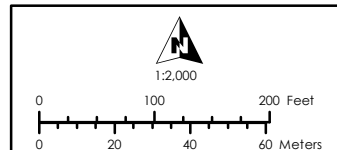
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberias,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- High Intensity Developed
- Low Intensity Developed
- Medium Intensity Developed



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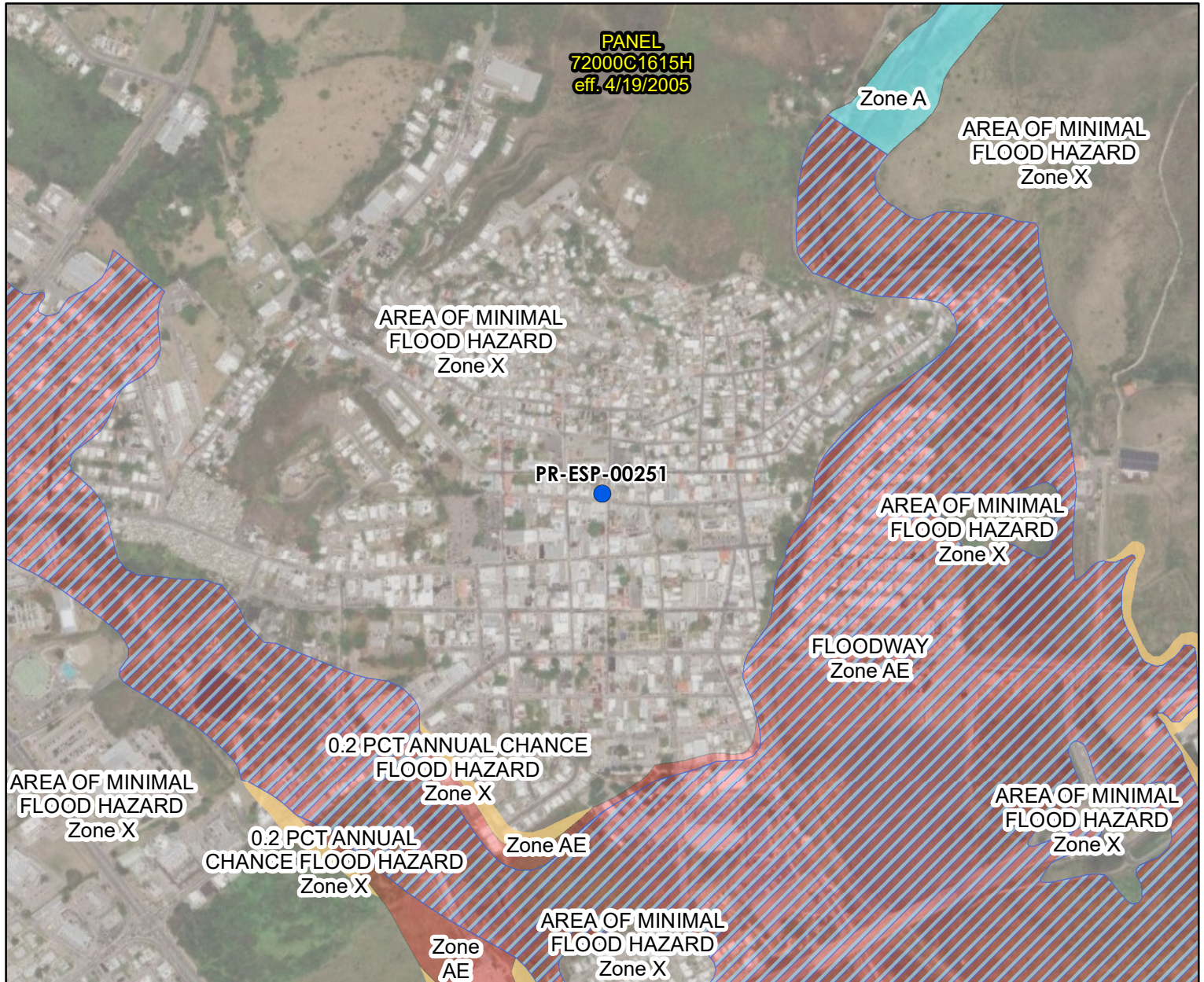
Source:
Multi-Resolution Land Characteristics (MRLC) Consortium
<https://www.mrlc.gov/viewer/>

Figure 5

Flood Insurance Rate Map

Electrical Power Reliability and Resilience Program (ER2)

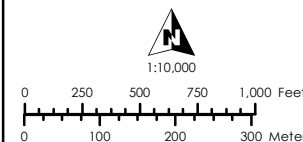
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Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- 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



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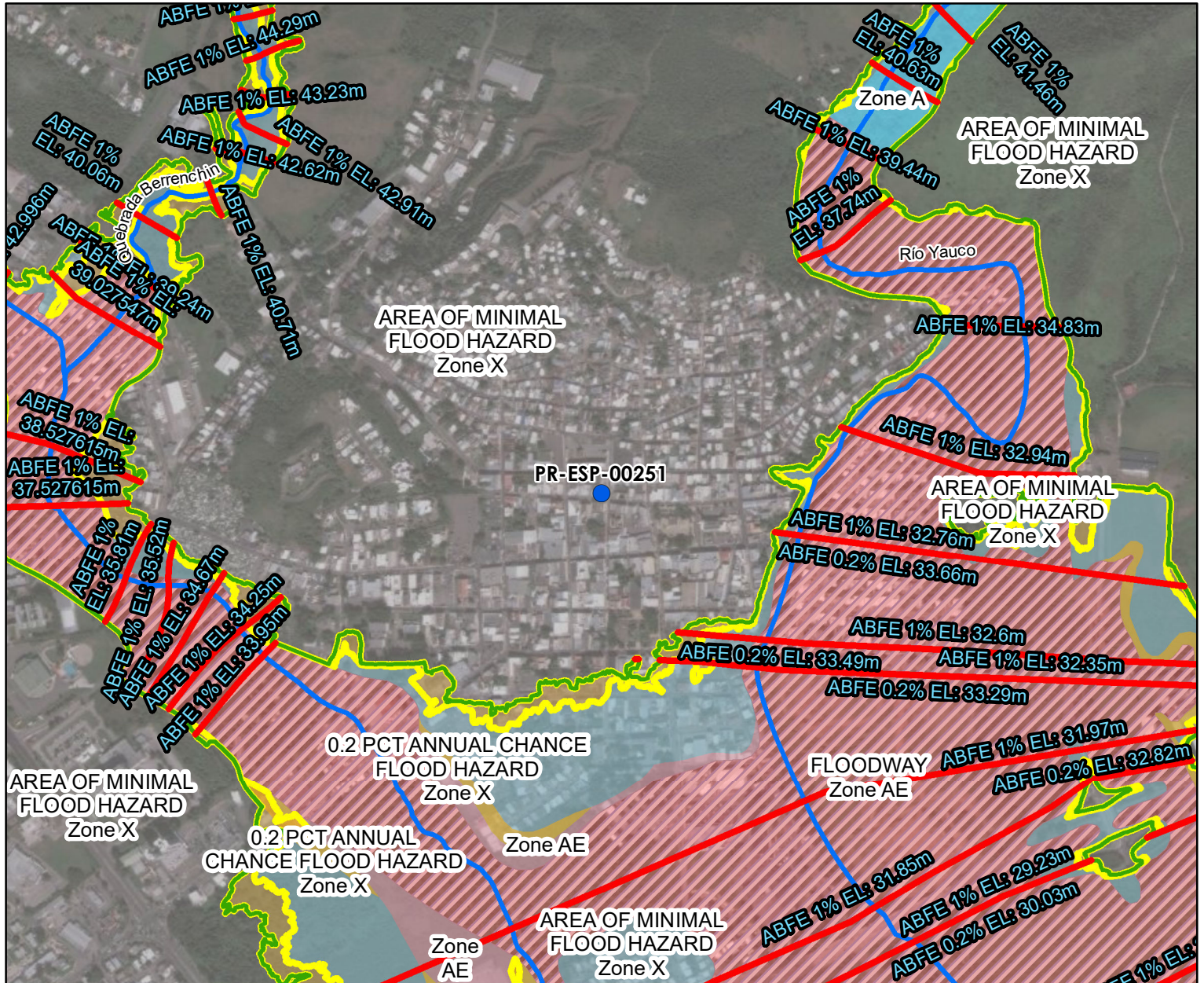
Source:
Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>

Figure 6

Advisory Base Flood Elevation Map

Electrical Power Reliability and Resilience Program (ER2)

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Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850

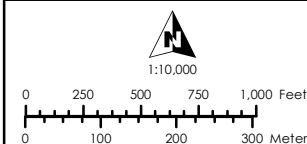


Legend:

- PR-ESP-00251
- 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:

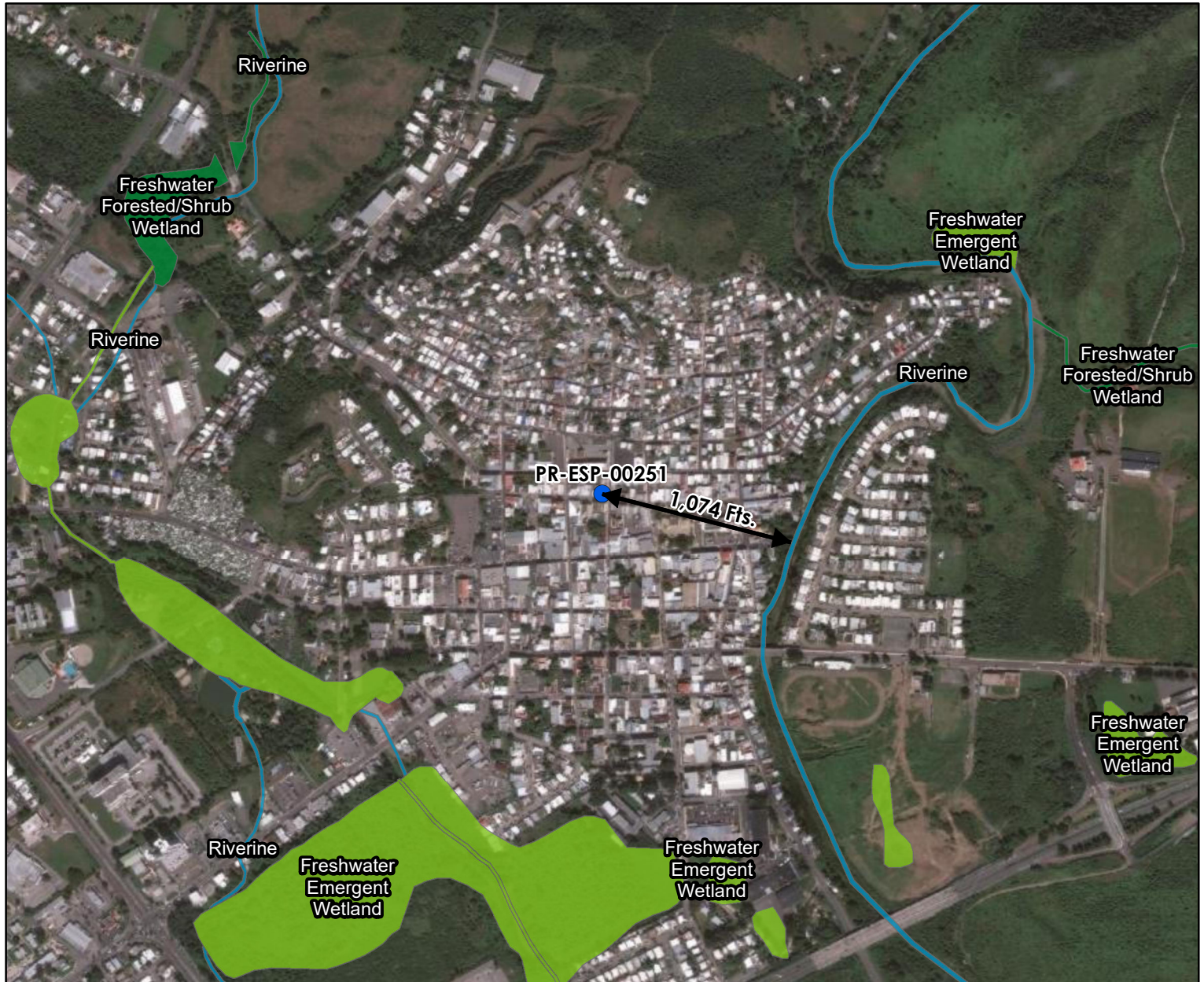
Federal Emergency Management Agency (FEMA),
<https://gis-r2-fema.hub.arcgis.com/>
Junta de Planificación de Puerto Rico (JP), <https://maps.jp.pr.gov/>
Mapas de Niveles de Inundación Base Recomendados

Figure 7

Wetlands Map

Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850

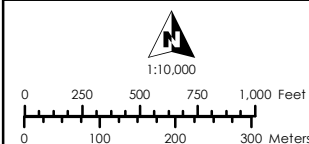


Legend:

● PR-ESP-00251

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:

Source: Esri, Maxar, Earthstar Geographics, 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 B: Field Observation Form and Environmental Screening Checklist



Environmental Field Assessment Form - PR-ESP-00251

APPLICANT/LOCATION INFORMATION	
Applicant ID:	PR-ESP-00251
Applicant Name:	Laboratorio Clínico Innova Lab
Parcel ID:	361-074-057-05-001
Coordinates:	18.035800, -66.849850
Street Address:	54 Calle Mattei Lluberas
Municipio:	Yauco
Zip Code:	00698
Site Inspector:	Egon Gonzalez
Date of Visit:	March 6, 2025
Time of Visit:	13:31
Year Built:	Circa 1940




Building Information		
Question	Answer	Notes
1. Location verified:	Yes	18.035800, -66.849850
2. Is the building correct on GIS?	Yes	Building is correct on GIS
3. Building Type:	Commercial	
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	(2) 55gal Drums located on left side of structure used as trash bin
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.	No	
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 6, 2025

Front of Structure

Photo Direction: North

Comments:



Facing Away from Front

Photo Direction: South

Comments:



Side #1 of Structure

Photo Direction: North

Comments:



Facing Away From Side #1

Photo Direction: Northwest

Comments:



Back of Structure

Photo Direction: West

Comments:



Facing Away from Back

Photo Direction: West

Comments:



Side #2 of Structure

Photo Direction: West

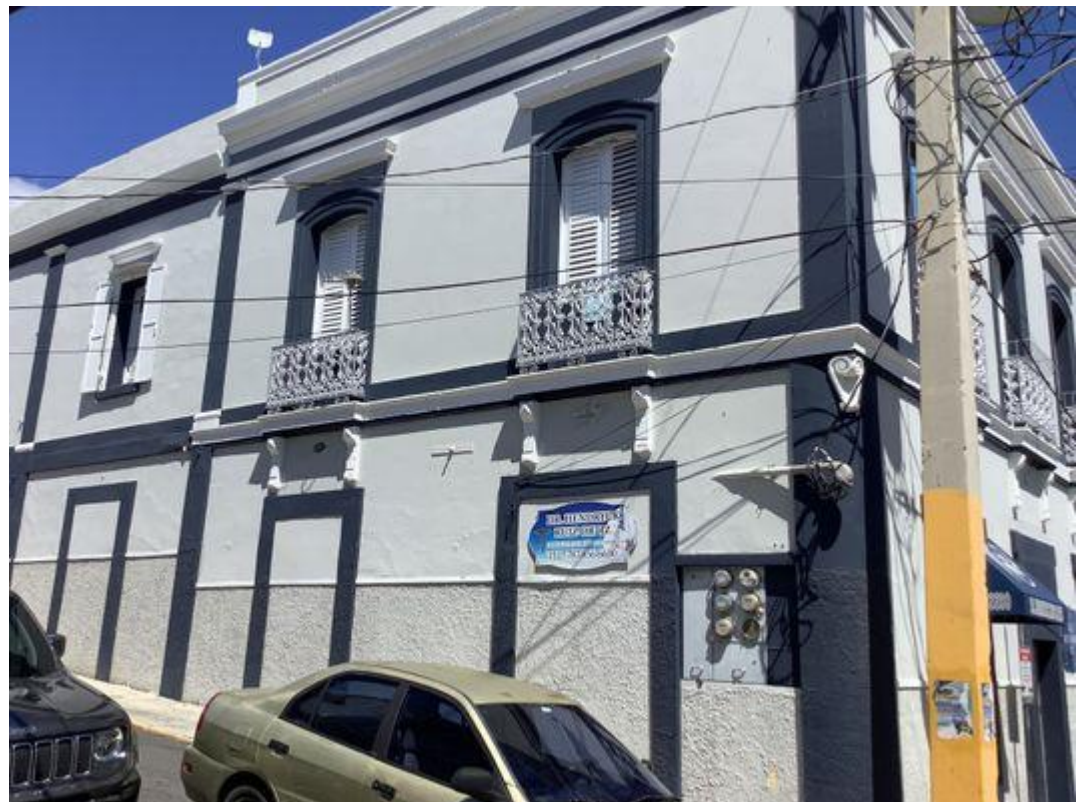
Comments:



Facing Away from Side #2

Photo Direction: East

Comments:



Streetscape #1

Photo Direction: West

Comments:



Streetscape #2

Photo Direction: East

Comments:



Address

Photo Direction: Northeast

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: General Interior View



Architectural Details 4

Photo Direction:

Photo Description: General interior view



Architectural Details 5

Photo Direction:

Photo Description: (2) 55gal Drums
located on left side of structure used
as trash bin



Architectural Details 6

Photo Direction:

Photo Description: Additional back of
structure view



Architectural Details 7

Photo Direction:

Photo Description: Proposed area for
battery storage



Architectural Details 8

Photo Direction:

Photo Description:

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:
Project Code: 2025-0090518
Project Name: PR-ESP-00251

04/30/2025 18:27:20 UTC

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

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
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6628 General project design guidelines: https://ipac.ecosphere.fws.gov/project/EZSFL4CTA5AUXCMBFLRVP3OFUQ/documents/generated/7159.pdf	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:
Project code: 2025-0090518
Project Name: PR-ESP-00251

04/30/2025 18:34:47 UTC

Subject: Technical Assistance letter for the project named 'PR-ESP-00251' 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 30, 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-00251'. The project is located in Yauco County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.035790650000003,-66.84984865,14z>



The following description was provided for the project 'PR-ESP-00251':

Laboratorio Clínico Innova Lab / 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.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

PR-ESP-00251

2. Description

The following description was provided for the project 'PR-ESP-00251':

Laboratorio Clínico Innova Lab / Commercial Building

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.035790650000003,-66.84984865,14z>



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



STATE HISTORIC
PRESERVATION
OFFICE

GOVERNMENT OF PUERTO RICO

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

September 16, 2025

Kristin Sanders

269 Avenida Ponce de León

San Juan, PR 00917

SHPO-CF-09-05-25-04 - PR-ESP-00251 (Yauco), Laboratorio Clínico Innova Lab

Dear Ms. Sanders,

Our Office has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the National Historic Preservation Act, as amended) and 36 CFR Part 800: Protection of Historic Properties from the Advisory Council on Historic Preservation. The State Historic Preservation Officer (SHPO) is to advise and assist federal agencies and other responsible entities when identifying historic properties, assessing effects upon them, and considering alternatives to avoid or reduce the project's effects.

After a review of all the documentation provided, the PRSHPO agrees with your finding that the proposed project, with the established conditions, will have **no adverse effect** upon PR-ESP-00251 (Yauco), Laboratorio Clínico Innova Lab:

- When installed the systems (photovoltaic and battery storage) remain not visible or minimally visible from the street to be consistent with the related Secretary of the Interior's standards, guidelines and technical briefs.

If the location of the installation changes in any way, re-consultation with SHPO must occur. When installed, the PVS shall remain minimally visible from the public right-of-



way.

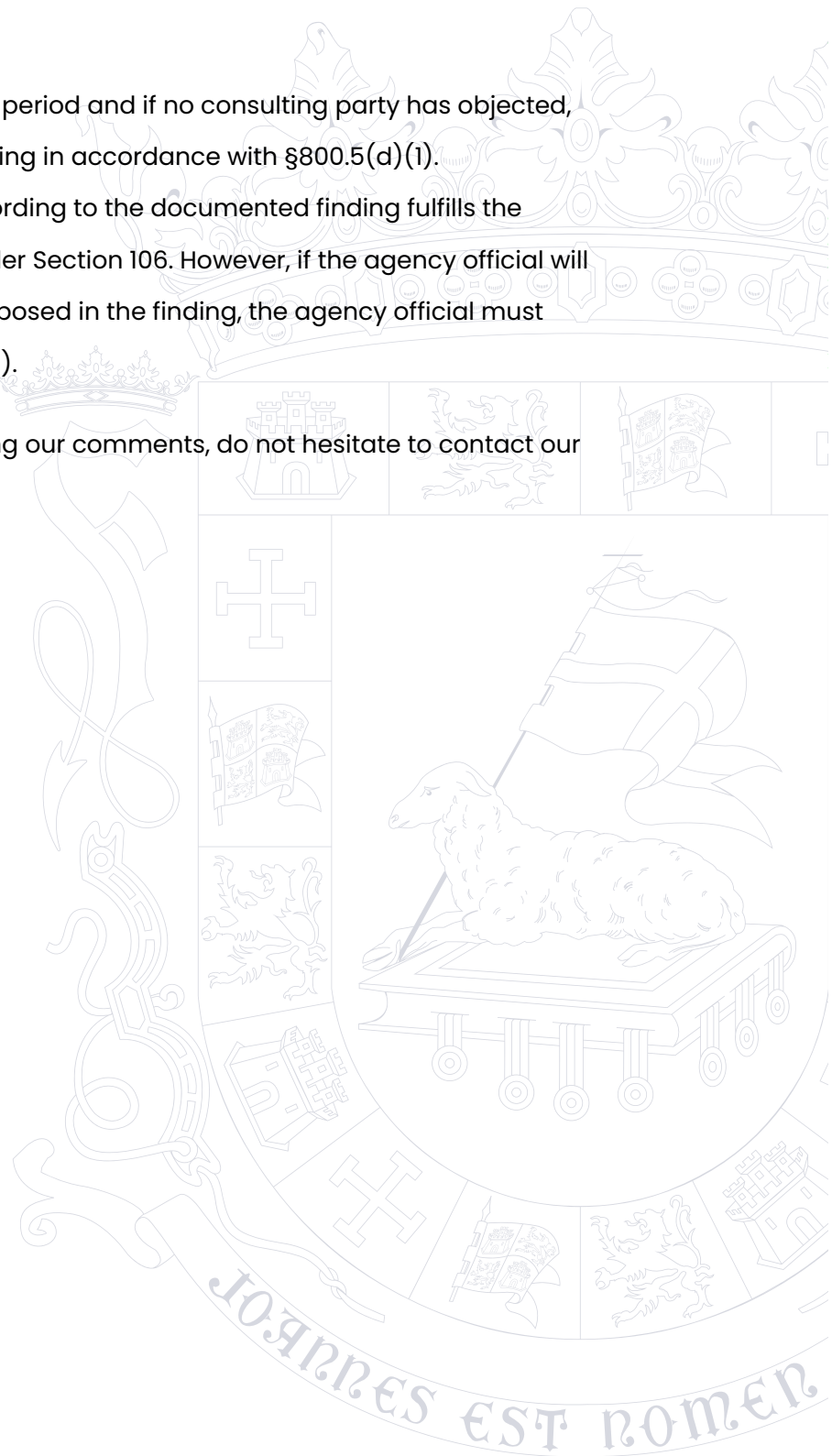
After the close of the 30-day review period and if no consulting party has objected, you may proceed with the undertaking in accordance with §800.5(d)(1). Implementing the undertaking according to the documented finding fulfills the agency official's responsibilities under Section 106. However, if the agency official will not conduct the undertaking as proposed in the finding, the agency official must reopen consultation under §800.5(a).

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

Sincerely,



Carlos A. Rubio Cancela
State Historic Preservation Officer
CARC/GMO/YC





DEPARTMENT OF

HOUSING

GOVERNMENT OF PUERTO RICO



March 24, 2025

Samir El Hage Arocho
General Partner, HORNE LLP
269 Juan Ponce de León Ave.
Hato Rey, Puerto Rico 00917-00918

Via email: samir.elhage@horne.com

RE: Authorization for Grant Management (GM) to Conduct the Required Environmental Consultations with Federal and Local Agencies on PRDOH's Behalf

Dear Mr. El Hage,

Provisions at 24 C.F.R. Part 58 establish the environmental review procedures for entities assuming the U.S. Department of Housing and Urban Development (**HUD**) environmental responsibilities under the National Environmental Policy Act (**NEPA**) and other applicable laws. The Puerto Rico Department of Housing (**PRDOH**), as the designated CDBG-DR/MIT grantee, has assumed HUD's environmental responsibilities under NEPA and related laws (**Responsible Entity**) by directly implementing multiple CDBG-DR/MIT projects.

One of the Responsible Entity's many responsibilities under 24 C.F.R. Part 58 is consulting with State, Federal, and non-federal entities in preparing an Environmental Review Record (**ERR**). Regarding a Responsible Entity's interactions with State, Federal, and non-Federal entities, 24 C.F.R. § 58.14 states that:

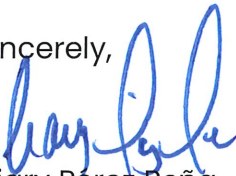
A responsible entity shall consult with appropriate environmental agencies, State, Federal and non-Federal entities and the public in the preparation of an EIS, EA or other environmental reviews undertaken under the related laws and authorities cited in § 58.5 and § 58.6. [...].

In conducting its role as a Responsible Entity that directly undertakes a project, as per 24 C.F.R. § 58.4(b)(1), PRDOH *"must assume the environmental review responsibilities for the State's activities **and those of any non-governmental entity that may participate in the project.**"* Accordingly, a Responsible Entity may delegate certain tasks in the preparation of ERRs but retains full legal responsibility for compliance with environmental requirements.

To effectively manage available environmental resources and expedite the preparation of ERRs, PRDOH—as Responsible Entity—wishes to delegate the task of consulting with State, Federal, and non-Federal entities contained in 24 C.F.R. § 58.14. Therefore, PRDOH hereby authorizes Alberto Mercado Vargas, GM Environmental SME, or his authorized representative) to conduct on its behalf the environmental consultations with Federal and local agencies required to prepare ERRs for the implementation of CDBG-DR and CDBG-MIT projects, while still maintaining the ultimate and full legal responsibility for compliance with environmental requirements. This authorization extends to both early and formal consultations before Federal agencies such as the U.S. Fish and Wildlife Service (**USFWS**) and the State Historic Preservation Office (**SHPO**), among others required for compliance with applicable laws and regulations as established in 24 C.F.R. § 58.14 and § 58.5. GM should include and copy the PRDOH Environmental Division in all communications with Federal and local agencies for these purposes.

PRDOH appreciates GM's commitment to Puerto Rico's recovery and is confident in its ability to execute this task effectively. Please feel free to contact me with any questions.

Sincerely,



Ciary Pérez Peña

Secretary

Puerto Rico Department of Housing

Cc. Alberto Mercado Vargas
GM Environmental SME
alberto.mercadovargas@horne.com

September 5, 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 – PR-ESP-00251, LABORATORIO CLINICO INNOVA LAB, YAUCO, PUERTO RICO – *NO ADVERSE EFFECT – CONDITIONED*

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 Electrical Power Reliability and Resilience Program (ER2). 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 documentation for the proposed Laboratorio Clinico Innova Lab, located within the Yauco Traditional Urban Center. The applicant is proposing the installation of a Photovoltaic System (PVS) on the roof and a Battery Storage System

(BSS) in interior of the storage room, on the left-side wall of the building located at 54 Calle Mattei Lluberas. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the site plan.

Based on the provided documentation, the Program requests a concurrence with a determination that **no adverse effect** to historic properties is appropriate for this undertaking, conditioned that, when installed, the solar panels remain not visible or minimally visible from the street to be consistent with the related Secretary of the Interior's standards, guidelines, and technical briefs.

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,

A handwritten signature in blue ink that reads 'Kristin P. Sanders'.

Kristin P. Sanders

Historic Preservation Manager

Attachments

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		
Case ID: PR-ESP-00251		
City: Yauco		

Applicant Name: Laboratorio Clinico Innova Lab	
Project Location (Street Address, City): 54 Calle Mattei Lluberas, Yauco	
Project Coordinates (Lat/Long): 18.035800, -66.849850	
Parcel ID: 361-074-057-05-001	
Type of Undertaking: Installation of Photovoltaic System (PVS) and a Battery Storage System (BSS)	
Construction Date (AH est.): circa 2010	Property Size (acres): 0.03

SOI-Qualified Architect/Architectural Historian: Jorge L Lizardi Pollock, PhD
Date Reviewed: 5/5/2025

In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the National Register of Historic Places (NRHP) and any properties not listed that would be considered eligible for listing that are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties. It has been determined that the proposed undertaking does not meet allowances as outlined in the Programmatic Agreement.

Project Description (Undertaking)

The proposed undertaking is the installation of a Photovoltaic System (PVS) and a Battery Storage System (BSS) on the roof of the residence located at 54 Calle Mattei Lluberas, in the Puerto Rico Planning Board designated Historic Zone and Traditional Urban Center in the municipality of Yauco. According to the project quote the PVS will be installed on the structure roof and the BSS will be installed in the interior of the storage room, on the left-side wall of structure. The proposed installation location on the subject property showing where the PVS and BSS will be shown below in Figure 1. The proposed system will not be visible from the public right-of-way.

The modern property has two levels, features a rectangular floor plan, and is constructed entirely of reinforced concrete (walls, partitions, and flat roof). It was built circa 2010 over the footprint of a previous residence or commercial building, which was demolished after 2006, according to Google Earth Pro imagery. (See Illustrations 1 and 2). The building, in this sense, is not older than 20 years old. As is usual in the traditional urban centers, the

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
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facades of the property are aligned with the sidewalk that, due to its corner, faces both the Baldorioty de Castro Street and the Mattei Lluveras Street.

The façade facing Mattei Lluveras Street features two glass and metal doors at each end, framed by decorative moldings and cornices. It also includes an access ramp and a staircase. The second level features three balconies: two at the corners, each with double metal doors and glass panes on chamfered walls, and one in the center, which is rectangular. Iron railings protect all balconies, and their doors are also made of metal with glass panes. The east façade has a similar type of door on the first level and asymmetrically placed metal windows with glass louvers on the second level. A cornice crowns the parapet of the building's roof. At the rear, the building features a staircase that leads directly to the second floor, where offices and medical laboratories are located.

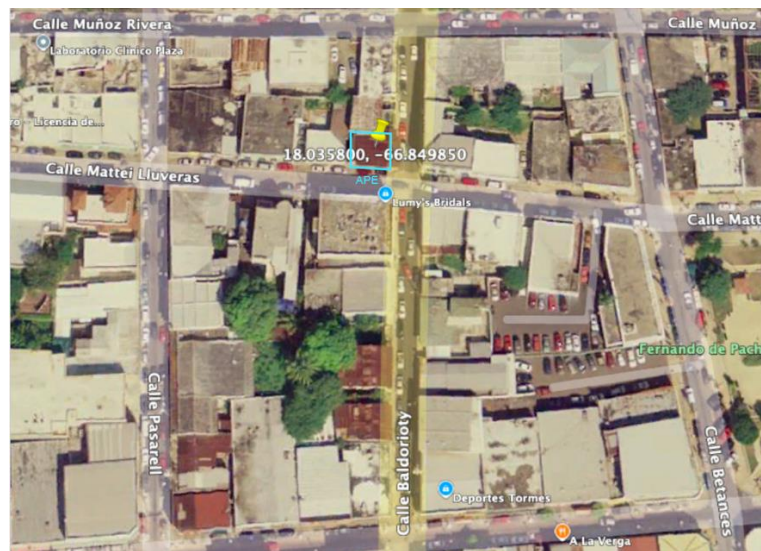
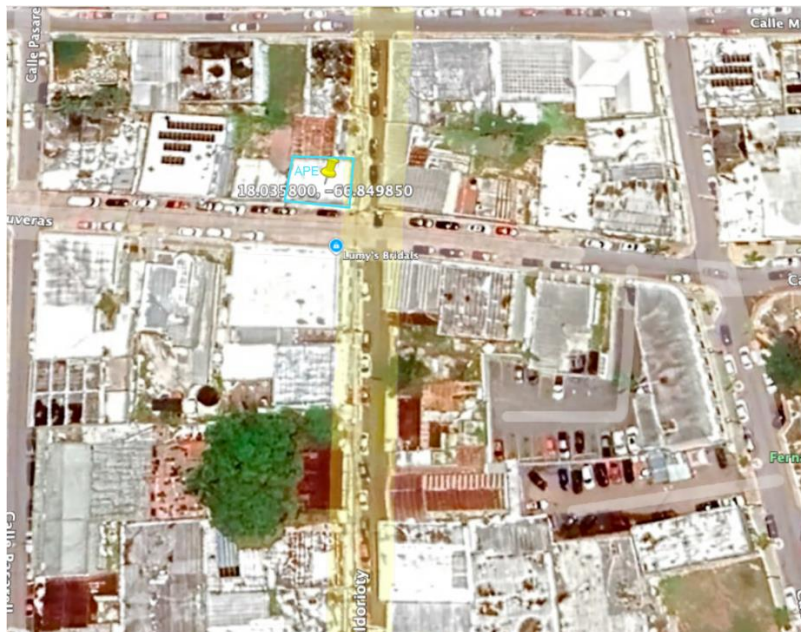


Illustration 1. Area of Potential (blue perimeter), 2006.

Case ID: PR-ESP-00251

City: Yauco



Area of Potential Effects (blue perimeter), 2022.

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the Direct APE for this project is the building itself at 54 Calle Mattei Lluberas. The Indirect/Visual APE is defined as the viewshed of the proposed project which is the surrounding properties in the designated Yauco Historic Zone and Traditional Urban Center.

Identification of Historic Properties

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form	 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
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CFR Part 61), shows that the project area is within the boundaries of the Puerto Rico Planning Board designated Historic Zone and National Register of Historic Places (NRHP)– eligible Yauco Traditional Urban Center. Through this review, the following NRHP listed and SHPO eligible properties have been identified within a ¼ mile radius of the project area. Through this review, the following twenty eligible and listed NRHP properties have been identified within a ¼ mile radius of the project area (see Project Parcel Location aerial and topographic maps with previously recorded historic properties):

1. Challet Amill, residence designed by Tomás Olivari Santoni in 1914, in a Beaux Arts fashion, NRHP registered, No. 85000115, 0.02 miles SW, 18.035622, -66.850116.
2. Casa Rodríguez Zamora, concrete Spanish Revival residence designed by Pedro Méndez circa 1938, NRHP eligible, 0.04 Miles SW, 18.035684, -66.850529.
3. Banco Popular Building, concrete one floor residence built in 1913 within a neoclassic style, NRHP eligible, 0.04 miles SE. 18.035517, -66.849178.
4. Fernando de Pacheco Public Square, nineteenth century main public space, several times renovated, NRHP eligible, 0.06 miles, NE. 18.034972, -66.848927
5. Nuestra Señora del Rosario Parish, concrete church designed by Francisco Porrata Doria in 1933 within an eclectic appearance and Spanish Revival elements, NRHP eligible, 0.11 miles SE, 18.035381, -66.848249.
6. González Vivaldi house, one floor masonry, wood, and metal residence with central projecting porch, designed by an unknow architect and built in 1880 within neoclassic traits. NRHP registered No. 8600320, 0.13 miles E, 18.035777, -66.847890.
7. Yauco Town Hall. Built in 1864, renovated in 1923, within a neo renascence style. NRHP eligible, 0.10 miles SE, 18.034096, -66.84931.
8. Jose María Agostini house, late Spanish colonial two floor residence with commercial storage in the first, made in masonry, built for the Agostini family and designed by Miguel Briganti, early nineteenth century. NRHP registered No. 88000682, 0.16 miles SE, 18.034856, -66.847664.
9. Colegio del Santísimo Rosario, catholic school, within Beaux Arts traits, built circa 1912, renovated with some Art Deco elements, NRHP eligible, 0.15 miles SE, 18.034488, -66.847975

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
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10. Teatro Ideal, eclectic fashion theatre designed by Jesús Buíl Lluberas, built in 1926, NRHP registered, No. 88000683, 0.11 miles SE, 18.034876, -66.84842.
11. Cinestar Cinema, Art Deco fashion two floors building made in concrete with a metal two gable roof, its also shows Spanish Revival style traits, circa 1930, NRHP eligible, 0.11 miles SE, 18.034459, -66.848868.
12. Roig Hotel, circa 1900, recently reconstructed concrete wood and metal residence, NHRP eligible, 0.13 miles SE, 18.034242, -66.848845.
13. Alejandro Franceschi Antongiorgi house, concrete, wood and metal residence, designed by André Toublard and built in 1910 in a Beaux Arts fashion, NRHP registered, No. #85000113, 0.17 miles SE, 18.03349, -66.848756.
14. Arturo Lluberas Park, nineteenth century public space, renovated several times, NRHP eligible, 0.14 miles S, 18.033864, -66.849459.
15. Hotel New York, late nineteenth early twentieth century two stories vernacular house made of masonry, wood and metal, NRHP eligible, 0.17 miles SE, 18.033322, -66.849373
16. Casa Mariani, eclectic with neoclassic elements concrete, wood and metal residence built circa 1910, NRHP eligible, 0.19 miles SE, 18.033365, -66.848620.
17. Casa Filardi, concrete wood and metal residence designed by Vicente Filardi Ponzi in 1916, in a Beaux Arts fashion, 0.17 miles S, NRHP registered, No. 85000116, 18.033277, -66.849905.
18. Césari House, creole neoclassic two floors with extended balcony residence designed by Antonio Mattei Lluberas in 1893, for Angel Cesari Poggi, NRHP registered No. 85000114, 0.20 miles SW, 18.033291, -66.851161.
19. Public Health Unit, reinforced concrete one floor building with Spanish Revival architectural traits, built in 1937 by the Puerto Rico Reconstruction Administration. NRHP registered No. MP1000070780, 20 miles SW, 18.034500, -66.852472.
20. Plaza de Mercado de Yauco, concrete with a gable wood and metal roof marketplace that shows eclectic modernist traits, built in 1925. NRHP eligible, 0.017 miles SW. 18.034476, -66.852074.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
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In addition to NRHP-registered or identified as eligible properties by SHPO, the municipality of Yauco documented nearly a hundred more NRHP-eligible buildings within its urban center, as shown in the Historic Zone delimitation map below (Illustration No. 3). Actually, adjacent buildings to the north and east of the subject property have been included in the Yauco historic architecture survey. Likewise, all properties that aligned their façades to the north of Mattei Lluberias Street sidewalk side and within the southwest corner of this and Baldorioty de Castro Street are deemed NRHP eligible.

The surrounding context, as is usual in the compact grid of the traditional urban centers, is a mix of residential, commercial, office, and government buildings that mostly align their façade to the streets, construction occupies between 75% and 100% of the parcels' lots, and separation is mediated by dividing walls. Architectural styles are plural and vary from Spanish colonial to vernacular, Spanish Revival, Beaux Arts, to Modern. Wood, clay brick, traditional masonry, zinc, and concrete properties can be found within the historic zone's boundaries. On the contrary, height is even, with three or four floors being the highest of the buildings around.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
Case ID: PR-ESP-00251		
City: Yauco		

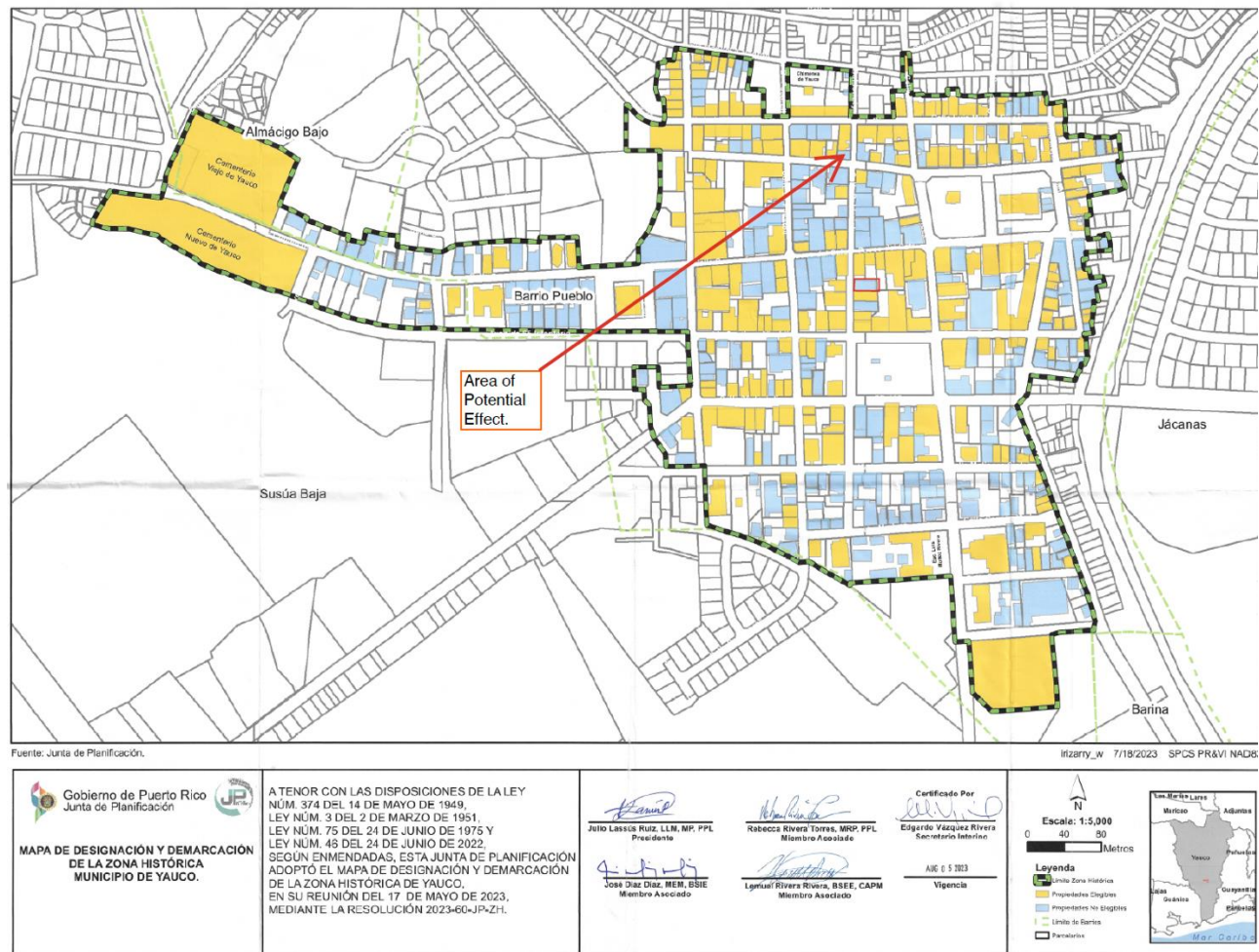


Illustration Number 3. Historic Zone Map approved by the Puerto Rico Planning Board and location of the Area of Potential Effect.

The property for which the installation is proposed is a recently erected modern concrete building that, despite its volumetric characteristics and street setback, doesn't comply with the criteria of the NRHP for eligibility or registration. It neither represents a significant event (Criterion A), is not associated with an important person (Criterion B), its architecture is austere, modern, and was not conceived by an architectural master (Criterion C), nor yields information relevant to Yauco or national history (Criterion D).

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form	 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
Case ID: PR-ESP-00251	
City: Yauco	

Determination

The following historic properties have been identified within the APE:

- Direct Effect:

No historic properties are present within the Direct APE and the building does not contribute to the Yauco Historic Zone

- Indirect Effect:

PVS/BSS will not be visible from the street and will not have a significant impact on the appearance of the street landscape.

Based on the results of our historic property identification efforts, the Program has determined that project actions will have no adverse effect on the historic properties that compose the Area of Potential Effect as the PVS/BSS will not be visible from the public right of way.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		
Case ID: PR-ESP-00251		
City: Yauco		

Recommendation *(Please keep on same page as SHPO Staff Section)*

The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

☐ No Historic Properties Affected

☒ No Adverse Effect

Conditioned to systems being not visible or minimally visible from the street, to be consistent with SOI guidelines and technical briefs

☐ Adverse Effect

Proposed Resolution (if applicable)

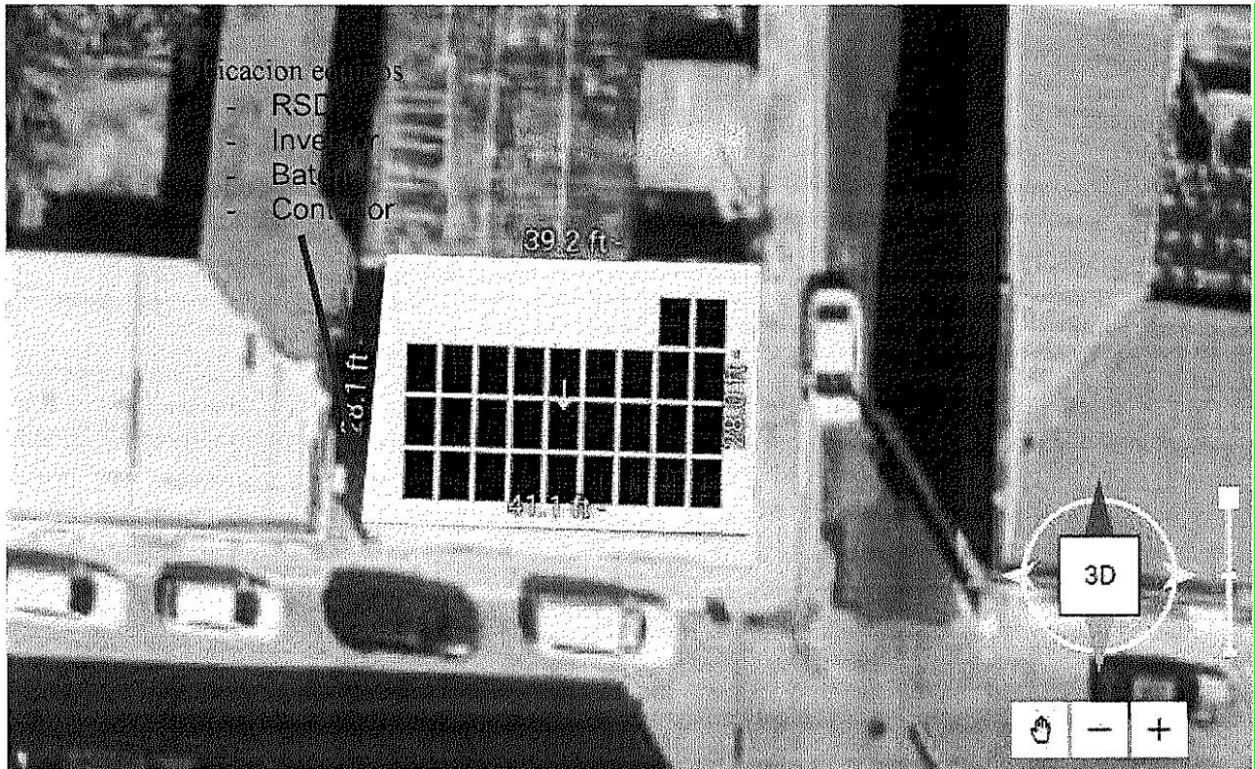
This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and:	
☐ Concurs with the information provided. ☐ Does not concur with the information provided.	
Comments: 	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Case ID: PR-ESP-00251

City: Yauco

PROPOSED INSTALLATION LOCATION ON THE SUBJECT PROPERTY



Case ID: PR-ESP-00251

City: Yauco

Project (Parcel) Location – Area of Potential Effect Map (Aerial)

BYA BEHAR-YBARRA AND ASSOCIATES LLC
ENGINEERING • ENVIRONMENTAL • ARCHITECTURE • PLANNING
554 Calle Perseus, Suite J-3, San Juan, P.R. 00920 Tel: (787) 783-0290

Application ID: PR-ESP-00251

Project (PR-CEWRI-00251) Location: Area of Potential Effect Map

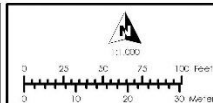
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- Area of Potential Effect
- CRIM-Parcel
- CRIM Parcels
- Traditional Urban Centers - TUC



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, 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/>

Case ID: PR-ESP-00251

City: Yauco

Project (Parcel) Location - Aerial Map

BYA BEHAR-YBARRA AND ASSOCIATES LLC
ENGINEERING - ENVIRONMENTAL - ARCHITECTURE - PLANNING
554 Calle Perseu, Suite -3, San Juan, P.R. 00920 Tel: (787) 783-0290

Application ID: PR-ESP-00251

Project (PR-CEWRI-00251) Location: Aerial Map

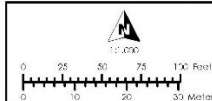
Electrical Power Reliability and Resilience Program (ER2)

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- Area of Potential Effect
- CRIM-Parcel
- CRIM Parcels
- Traditional Urban Centers - TUC



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, 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/>

Case ID: PR-ESP-00251

City: Yauco

Project (Parcel) Location - USGS Topographic Map

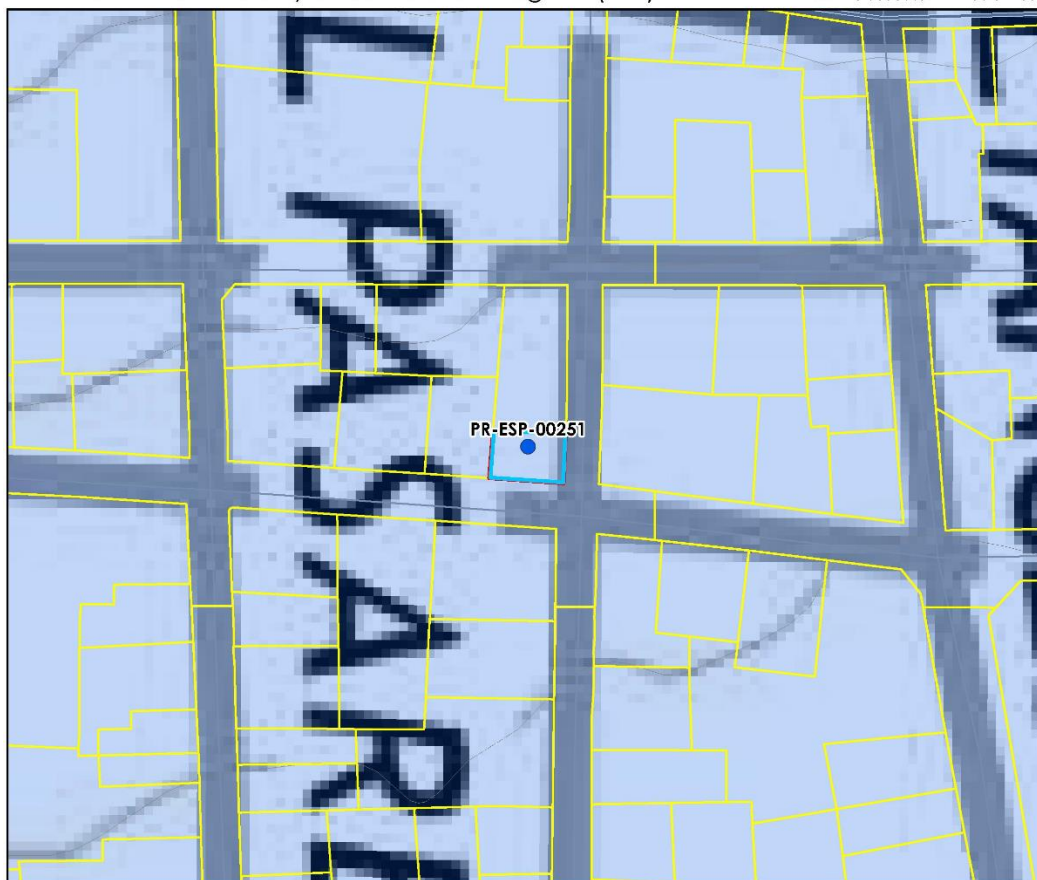
BYA BEHAR-YBARRA AND ASSOCIATES LLC
ENGINEERING • ENVIRONMENTAL • ARCHITECTURE • PLANNING
554 Calle Perseo, Suite 3-3, San Juan, P.R. 00920 Tel: (787) 783-0290

Application ID: PR-ESP-00251

Project (PR-CEWRI-00251) Location: Aerial Map

Electrical Power Reliability and Resilience Program (ER2)

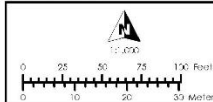
Laboratorio Clínico Innova Lab
54 Calle Mattei Llúberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850



Legend:

- PR-ESP-00251
- Area of Potential Effect
- CRIM-Parcel
- CRIM Parcels
- Contour Interval 20 Feet
- Traditional Urban Centers - TUC

Quadrangle: Yauco



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

Source:
United States Geological Survey (USGS)
National Geographic Map Database
https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html

Case ID: PR-ESP-00251

City: Yauco

Project (Parcel) Location with Recorded Historic Properties - Aerial Map

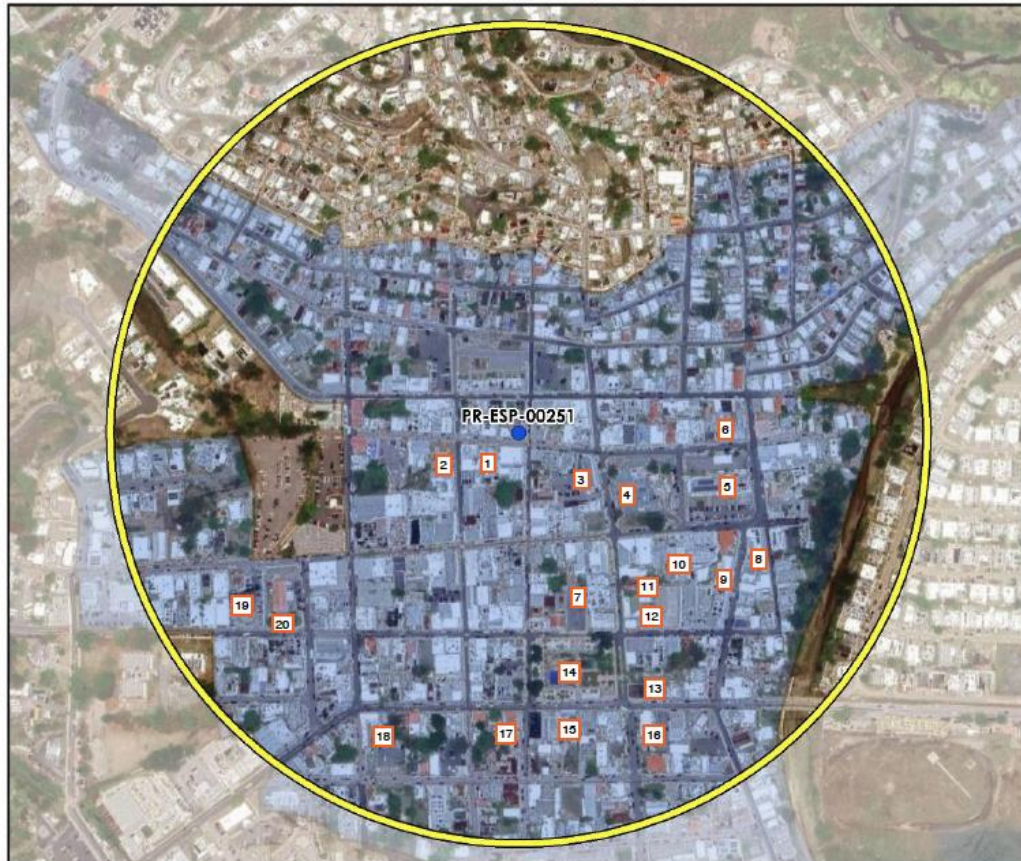
BYA BEHAR-YBARRA AND ASSOCIATES LLC
ENGINEERING • ARCHITECTURE • PLANNING
304 Calle Franklin, Suite 205, San Juan, P.R. 00906 Tel: (787) 763-0290

Application ID: PR-ESP-00251

Project (PR-CEWRI-00251) Location with Recorded Historic Properties: Aerial Map

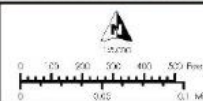
Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850

Electrical Power Reliability and Resilience Program (ER2)



Legend:

- PR-ESP-00251
- Buffer (0.25 Mile)
- Traditional Urban Centers - TUC



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

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

Case ID: PR-ESP-00251

City: Yauco

Project (Parcel) Location with Recorded Historic Properties - USGS Topographic Map

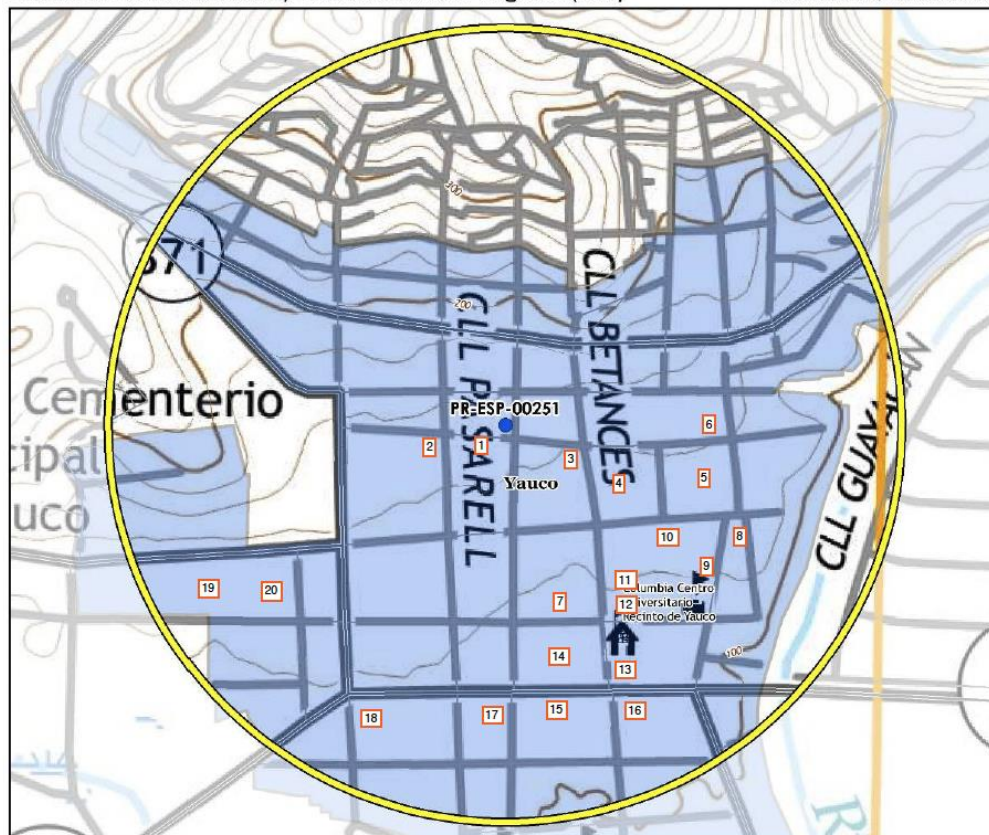
BYA BEHAR-YARRA AND ASSOCIATES LLC
300 MARINO DRIVE, SUITE 100, SAN JUAN, P.R. 00920 TEL: (787) 783-0290

Application ID: PR-ESP-00251

Project (PR-CEWRI-00251) Location with Recorded Historic Properties: USGS Topographic Map

Laboratorio Clínico Innova Lab
54 Calle Mattei Lluberas,
Yauco PR 00698
Catastro: 361-074-057-05-001
Lat: 18.035800, Lon: -66.849850

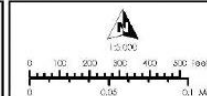
Electrical Power Reliability and Resilience Program (ER2)



Legend:

- PR-ESP-00251
- Buffer (0.25 Mile)
- Traditional Urban Centers - TUC
- Contour Interval 20 Feet

Quadrangle: Yauco



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

Source:
United States Geological Survey (USGS)
National Geographic Map Database
https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html

Case ID: PR-ESP-00251

City: Yauco



Photo #: 001

Description (include direction): Front Elevation looking North

Date: 3/6/2025



Photo #: 002

Description (include direction): Left elevation looking North

Date: 3/6/2025

Case ID: PR-ESP-00251

City: Yauco



Photo #: 003

Description (include direction): Right elevation looking West

Date: 3/6/2025



Photo #: 004

Description (include direction): Rear elevation looking West

Date: 3/6/2025

Case ID: PR-ESP-00251

City: Yauco



Photo #: 005

Description (include direction): Streetscape view looking West

Date: 3/6/2025



Photo #: 006

Description (include direction): Streetscape view looking East

Date: 3/6/2025

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)

Section 106 NHPA Effect Determination – Historic Property Architectural Form



Case ID: PR-ESP-00251

City: Yauco



Photo #: 007

Description (include direction): Proposed battery storage system and inverter location

Date: 3/6/2025