



Bibliografía de Informes y Recursos para el Plan de Acción CDBG-DR para la Optimización del Sistema Eléctrico (al 11/8/2021)

Abrams, Z. (2019). Puerto Rico, two years after María. *American Psychological Association*. 50(8). <https://www.apa.org/monitor/2019/09/puerto-rico>.

AES. *Our History*. <https://www.aespuertorico.com/en/our-history>.

Allen, G. & Peñaloza, M. (May 7, 2015). Power Problems: Puerto Rico's Electric Utility Faces Crippling Debt, *NPR*. <https://www.npr.org/2015/05/07/403291009/power-problems-puerto-ricos-electric-utility-faces-crippling-debt>.

ATCO. *Our History*. <https://www.atco.com/en-ca/about-us/history.html>.

Bachhuber, J.L., Hengesh, J.V., and Sudermann, S.T. (2008). *Liquefaction Susceptibility of the Bayamon and San Juan Quadrangles, Puerto Rico*. U.S. Geological Survey. https://earthquake.usgs.gov/cfusion/external_grants/reports/03HQGR0107.pdf.

Becker, R. (2017). Trying to communicate after the hurricane, 'It's as if Puerto Rico doesn't exist'. *The Verge*. <https://www.theverge.com/2017/9/29/16372048/puerto-rico-hurricane-María-2017-electricity-water-food-communications-phone-internet-recovery>.

Castro-Sitiriche, M., Cintrón-Sotomayor, Y., and Gómez-Torres, J. (2018). "The Longest Power Blackout in History and Energy Poverty", *Proc. 8th Int. Conf. Appropriate Technol.* 36-48. <https://appropriatetech.net/media/attachments/2019/06/20/8th-icat--policy-standards-ethics.pdf#page=36>.

Central Office for Recovery, Reconstruction and Resiliency. (2019). *The COR3 Grid Modernization Plan for Puerto Rico*. [https://recovery.pr/documents/Grid%20Modernization%20Plan_20191213%20\(2\).pdf](https://recovery.pr/documents/Grid%20Modernization%20Plan_20191213%20(2).pdf).

Christopher, N., Prado Tuma, A., Marsh, T. et al. (2020). *The Education Sector in Puerto Rico After Hurricane María: Predisaster Conditions, Hurricane Damage, and Themes for Recovery*. Homeland Security Operational Analysis Center. https://www.rand.org/pubs/research_reports/RR2858.html.

Congressional Research Service. (2017). *Implementing the National Environmental Policy Act (NEPA) for Disaster Response, Recovery, and Mitigation Projects*. <https://crsreports.congress.gov/product/pdf/RL/RL34650>.

- Congressional Research Service. (2020). *COVID-19: Potential Impacts on the Electric Power Sector*. Insight. <https://crsreports.congress.gov/product/pdf/IN/IN11300>.
- Congressional Research Service. (2021). *The Disaster Recovery Reform Act of 2018 (DRRA): Implementation Updates for Select Provisions*. <https://crsreports.congress.gov/product/pdf/R/R46776/3>.
- Coto, D. (2021, October 3). Puerto Ricans fume as outages threaten health, work, school. ABC News, <https://abcnews.go.com/International/wireStory/puerto-ricans-fume-outages-threaten-health-work-school-80378832>.
- Department of Economic Development and Commerce. (n.d.). *Public Energy Policy Program*. <https://www.ddec.pr.gov/en/public-energy-policy-program/>.
- Department of Homeland Security and Federal Emergency Management Agency. (2020). *Damage Assessment, PRJ Report 136271*.
- Environmental Quality Board. (2018). *Application And Workplan Amendment To Fiscal Year 2017 Fiscal Year 2018 State Clean Diesel Grant Program*. <https://www.dma.pr.gov/wp-content/uploads/2019/07/DERA-FY17-18-Work-Plan.pdf>.
- Executive Order 14008. (2021). "Tackling the Climate Crisis at Home and Abroad". <https://www.whitehouse.gov/briefing-room/presidential-actions/2021/01/27/executive-order-on-tackling-the-climate-crisis-at-home-and-abroad/>.
- Federal Emergency Management Agency. (2019). *Mitigate Disaster Damage with FEMA Public Assistance*. <https://www.fema.gov/sites/default/files/2020-06/fema-pa406-mitigation-brochure.pdf>.
- Federal Emergency Management Agency. (2020, October 13). FEMA obligates over \$238 Million to PREPA for Earthquake Damage. <https://www.fema.gov/press-release/20201013/fema-obligates-over-238-million-prepa-earthquake-damage>.
- Government of Puerto Rico. (2019). *The Grid Modernization Plan for Puerto Rico: Transforming and Upgrading the Energy Sector*. <https://recovery.pr/documents/Grid%20Modernization%20for%20Puerto%20Rico-English1.pdf>.
- Puerto Rico Fiscal Agency and Financial Advisory Authority. (2019, May 11). *El gobierno busca operador para hidroeléctricas*. <https://aafaf.pr.gov/press-room-articles/el-gobierno-busca-operador-para-hidroelectricas/>.

- In Re: *Performance Targets for LUMA Energy Servco, LLC*, NEPR-AP-2020-0025.
<https://energia.pr.gov/expedientes/?docket=nepr-ap-2020-0025>.
- In Re: *The Performance of The Puerto Rico Energy Public Authority*. (2021). Resolution and Order. NEPR-MI-2019-0007 (P.R.). <https://energia.pr.gov/wp-content/uploads/sites/7/2021/05/Resolution-and-Order-NEPR-MI-2019-0007.pdf>.
- Instituto Nacional de Energía y Sostenibilidad Islaña. (2018). *Estado de Situación Energética de Puerto Rico, Informe Anual 2017*.
<https://static1.squarespace.com/static/5b6c67d071069910870c6820/t/5cbd046be5e5f0648a778456/1555891502310/%282018%29+Oeppe%2C+Estado+de+situaci+o%CC%81n+energe%CC%81tica+de+Puerto+Rico+%282017%29.pdf>.
- Ipek, Pamukcu, Szczyrba and Zhang. (2020). *Analyzing and Contextualizing Social Vulnerability to Natural Disasters in Puerto Rico*.
http://idl.iscram.org/files/deryaipekeroglu/2020/2238_DeryaIpekEroglu_etal2020.pdf.
- Jeffers, R.F. *et al.* (2018). *Analysis of Microgrid Locations Benefitting Community Resilience for Puerto Rico*. United States.
<https://www.osti.gov/servlets/purl/1481633>.
- Kwasinski, A., Andrade, F., Castro-Sitiriche, M. J., and O'Neill-Carrillo, E. (2019). *Hurricane María Effects on Puerto Rico Electric Power Infrastructure*. *IEEE Power and Energy Technology Systems Journal*, 6(1), 85-94.
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8644031>.
- Martínez-Rivera, C. (2020). *Health and Resiliency of Physical Education Teachers in Puerto Rico Post-Hurricane María*. [Doctoral dissertation, Ohio University]
https://etd.ohiolink.edu/apexprod/rws_etd/send_file/send?accession=osu1586970846251129&disposition=inline.
- Mercado-Irizarry, A. (2017). *Sea Level Rise Around Puerto Rico: A Projection*. University of Puerto Rico, Mayagüez Campus.
http://coastalhazards.uprm.edu/downloads/Other_reports/SEA%20LEVEL%20RISE%20AROUND%20PUERTO%20RICO-A%20PROJECTION_v9.pdf.
- Monroe, M. (2019, September 21). Looking Back at Historic Hurricane María. *Weather Nation*. <https://www.weathernationtv.com/news/looking-back-at-historic-hurricane-maria>.
- Mufson, S. (2015, July 25). Is it lights out for Puerto Rico? *The Washington Post*.
https://www.washingtonpost.com/business/economy/is-it-lights-out-for-puerto-rico/2015/07/24/61c6e51c-29a7-11e5-a250-42bd812efc09_story.html.

- National Renewable Energy Laboratory. (2011). *Feasibility Study of Solar Photovoltaics on Landfills in Puerto Rico*. <https://www.nrel.gov/docs/fy11osti/52181.pdf>.
- National Renewable Energy Laboratory. (n.d.). *Transportation & Mobility Research*. <https://www.nrel.gov/transportation/project-ev-grid-integration.html>.
- North American Electric Reliability Corporation. (2007). *Toward Ensuring Reliability: Reliability Performance Metrics*. https://www.nerc.com/docs/pc/rmwg/Reliability_Metrics_white_paper.pdf.
- Pasch, R.J., Penny, A.B., and Berg, R. (2019). *Hurricane Maria* (AL152017). National Oceanic and Atmosphere Administration (NOAA). https://www.nhc.noaa.gov/data/tcr/AL152017_Maria.pdf.
- Pattern Energy. *Santa Isabel Wind*. <https://www.patternenergy.com/learn/portfolio/santa-isabel-wind>.
- Pederson, J. P. (2002). *International Directory of Company Histories* (47). St. James Press.
- Puerto Rico Electric Power Authority. (2017). *Puerto Rico Electric Power Authority Fiscal Plan*. <https://drive.google.com/file/d/13lij1bNoa7IRUANLtuHS67scYa7cj4ZN/view>.
- Puerto Rico Electric Power Authority. (2021). *PREPA 10-Year Infrastructure Plan*. https://aeepr.com/es-pr/Documents/20201207_PREPA%2010-Year%20Infrastructure%20Plan_vF.pdf.
- Puerto Rico Electric Power Authority. *2020 Fiscal Plan for the Puerto Rico Electric Power Authority, as certified by the Financial Oversight and Management Board for Puerto Rico on June 29, 2020*. https://drive.google.com/file/d/1a-AZ_JhQ5e6eQQlxy1UwI4eovaQ4QoRR/view.
- Puerto Rico Electric Power Authority. *2021 Fiscal Plan for the Puerto Rico Electric Power Authority, as certified by the Financial Oversight and Management Board for Puerto Rico on May 27, 2021*. <https://drive.google.com/file/d/1dXFJldZpOIsAObMZDBd7T2P3j2xMPaal/view>.
- Puerto Rico Electric Power Authority. *Investors and Financial Community Portal*. <https://aeepr.com/en-us/qui%C3%A9nes-somos/portal-inversionistas>.
- Puerto Rico Electric Power Authority. *Pinceladas de Nuestra Historia*. <https://aeepr.com/es-pr/QuienesSomos/Paginas/Historia.aspx>.
- Puerto Rico Energy Bureau. (2021). *Presentation of PREPA's Performance Metrics*. https://energia.pr.gov/wp-content/uploads/sites/7/2021/01/Technical-Conference-Slides_1_19_2021_Final.pdf.

Puerto Rico Energy Resiliency Working Group. (2017). *Build Back Better: Reimagining and Strengthening the Power Grid of Puerto Rico.*

https://www.governor.ny.gov/sites/default/files/atoms/files/PRERWG_Report_PR_Grid_Resiliency_Report.pdf.

Quanta Services (PWR). *Forbes*. <https://www.forbes.com/companies/quanta-services/?sh=26ff7525108b>.

R. Madurai Elavarasan, et al. (2020). *COVID-19: Impact analysis and recommendations for power sector operation*. *Applied Energy*. 279.

www.ncbi.nlm.nih.gov/pmc/articles/PMC7458120.

Red Sísmica de Puerto Rico. (n.d.). *Información Sísmica*.

<http://redsismica.uprm.edu/Spanish/informacion/terr1918.php>.

Red Sísmica de Puerto Rico. (n.d.). *Programa de Tsunami de Puerto Rico*.

<http://redsismica.uprm.edu/Spanish/tsunami/programatsunami/prc/>.

Santiago, M. and Rodríguez-Martínez, J. (2001). *A digital liquefaction susceptibility map for the HAZUS earthquake loss estimation of the San Juan metropolitan area, Puerto Rico*. U.S. Geological Survey.

<https://pubs.usgs.gov/of/2000/0275/report.pdf>.

Southern Alliance for Clean Energy. (2014).

<https://www.patternenergy.com/learn/portfolio/santa-isabel-wind> and
<https://www.cleanenergy.org/wp-content/uploads/Puerto-Rico-Elevated-Opportunities-Wind-Technology-for-the-South.pdf>.

U.S. Army Corps of Engineers. (2018). *Puerto Rico Grid Restoration*.

<https://www.energy.gov/sites/prod/files/2018/03/f49/Puerto%20Rico%20Grid%20Restoration%20COL%20J%20Lloyd.pdf>.

U.S. Department of Energy. (2018). *Energy Resilience Solutions for the Puerto Rico Grid Final Report*. <https://www.osti.gov/servlets/purl/1463124>.

U.S. Department of Energy. (2018). *Smart Grid System Report: 2018 Report to Congress*.

https://www.energy.gov/sites/prod/files/2019/02/f59/Smart%20Grid%20System%20Report%20November%202018_1.pdf.

U.S. Energy Information Administration. (2017). *Transforming the Nation's Electricity: The Second Installment of QER*.

<https://www.energy.gov/sites/prod/files/2017/02/f34/Chapter%20IV--Ensuring%20Electricity%20System%20Reliability%2C%20Security%2C%20and%20Resilience.pdf>.

- U.S. Energy Information Administration. (2021). *Frequently Asked Questions (FAQS), What is the efficiency of different types of power plants?* <https://www.eia.gov/tools/faqs/faq.php?id=107&t=3#:~:text=Heat%20rate%20is%20one%20measure%20of%20the%20efficiency,plant%20to%20generate%20one%20kilowatthour%20%28kWh%29%20of%20electricity.>
- U.S. Energy Information Administration. (2021). *Puerto Rico Territory Energy Profile.* <https://www.eia.gov/state/print.php?sid=RQ>.
- U.S. Energy Information Administration. (2021, October 29). *Electric Power Annual. Electric Power System Characteristics and Performance: Table 8.2. Average Tested Heat Rates by Prime Mover and Energy Source, 2010 – 2020.* https://www.eia.gov/electricity/annual/html/epa_08_02.html.
- U.S. Environmental Protection Agency. (2016). *What Climate Change Means for Puerto Rico.* <https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockkey=P100QVB4.txt>.
- U.S. Environmental Protection Agency. (2018). *EPA Announces Agreement with Community and Non-Profit Organizations Will Help Transform Communities in Puerto Rico.* <https://archive.epa.gov/epa/newsreleases/epa-announces-agreement-community-and-non-profit-organizations-will-help-transform-0.html>.
- U.S. Environmental Protection Agency. (2021). *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019.* <https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2019> and <https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions>.
- U.S. Environmental Protection Agency. (2021). *On the Road to Recovery Puerto Rico Community Water Systems Lessons Learned and Success Stories.*
- U.S. Geological Survey. (n.d.). *What is liquefaction?* www.usgs.gov/faqs/what-liquefaction.
- U.S. Government Accountability Office. (2019). *Puerto Rico Electricity Grid Recovery Report to Congressional Requesters.* <https://www.gao.gov/assets/gao-20-143.pdf>.
- U.S. National Oceanic and Atmospheric Administration. (n.d.). *Sea, Lake, and Overland Surges from Hurricanes (SLOSH).* <https://www.nhc.noaa.gov/surge/slosh.php#INUNDATION>.
- U.S. Office of Efficiency & Renewable Energy. *Renewable Energy: Distributed Generation Policies and Programs.* <https://www.energy.gov/eere/slsc/renewable-energy-distributed-generation-policies-and-programs>.

Walton, R. (2020, February 27). *NARUC Offers Puerto Rico guidance on FEMA funding use, public-private approach to grid operations*. *Utility Dive*.
<https://www.utilitydive.com/news/naruc-offers-puerto-rico-guidance-on-fema-funding-use-public-private-appro/573060/>.