

## Puerto Rico Energy Public Policy Act

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### PRACTICE AREAS

- Energy

### An McV Energy Alert

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On October 17, 2018, Puerto Rico Senate Bill No. 1121 was presented, proposing the enactment of the **“Puerto Rico Energy Public Policy Act”** (“Energy Public Policy Act”). The Energy Public Policy Act seeks to update and unify policy initiatives pursuant to the Puerto Rico Electric Power Enabling Act, the Puerto Rico Electrical System Transformation Act, the Puerto Rico Energy Transformation and Relief Act, the Puerto Rico Public Policy Act on Energy Diversification Through Alternative and Sustainable Renewable Energy, and the Net Metering Act, among others. A summary of some of the key provisions of Senate Bill No. 1121 follows.

### **Public Policy**

The Energy Public Policy Act would formally declare the end of PREPA’s monopoly, providing that PREPA shall not longer have the exclusive right to produce, transmit, distribute and commercialize electric energy supply in Puerto Rico. It would provide for the integration of prosumers, or consumers which generate energy and have the possibility of sharing excess energy with other users of the grid.

Senate Bill No. 1121 establishes key guiding principles for the electric grid based on efficiency, quality, continuity, adaptability, impartiality, solidarity and equity. It also formulates the energy public policy on various aspects including:

- Universal access to electric service at costs that are fair, reasonable and not unduly discriminatory.
- Ensuring availability of energy supply.
- Establishing penal consequences for the failure to comply with directives issued to electric service companies
- Transitioning to an electric service model which reduces barriers to entry to consumers who wish to become producers or prosumers.
- The development and integration of solar communities, community microgrids, and electric cooperatives, among others.
- Transitioning from a centralized system to a distributed generation system based on renewable energy.

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- Conversion of central generation sources to dual fuel.
- Establishing demand response and energy efficiency programs.
- Efficient and responsible use of energy by government agencies and instrumentalities.
- Conversion of public lighting to LED.
- Designing and constructing a robust and resilient electric system that will survive severe weather events.

### **Energy Goals In General**

Among the initial objectives of the Energy Public Policy Act are the following:

- Eliminate use of coal-based energy companies by December of 2027.
- Provide for the integration of prosumers through mechanisms such as net metering or tariff designs which promote behind the meter generation.
- Reaching 20% compliance with the Renewable Portfolio Standard by the year 2025; 50% compliance by the year 2040; and 100% compliance by the year 2050, considering the amount distributed energy generated by prosumers.
- Promote energy storage technologies across consumer classes to facilitate integration of renewables and capitalize distributed energy resources.
- Reach 30% energy efficiency by 2040, for which regulation will be adopted by the Puerto Rico Energy Bureau.

### **Transfer of Operations or Assets**

- By December 31, 2019, the Puerto Rico Electric Power Authority (“PREPA”) must have delegated or transferred the operation, administration, and/or maintenance of the energy transmission and distribution system to a private Concessionaire by way of a public-private partnership agreement.
- The Concessionaire must commit to make the capital investments to modernize the grid.
- The Puerto Rico Energy Bureau would have thirty (30) days to issue or deny a Certificate of Compliance to preliminary agreements presented by the Partnership Committee.
- The Energy Bureau would approve the tariffs or charges of electric service companies or the Concessionaire.

## **Unbundling and Transformation of the Electric System**

- The Energy Public Policy Act would not permit the electric system to be a vertically integrated monopoly. An horizontal monopoly based on the generation function would not be permitted either.
- PREPA or the future Concessionaire shall be required to allow the interconnection of electric service companies, distributed generation systems and microgrids upon conditions that are not unduly discriminatory, when technically feasible, in accordance with the provisions of the Integrated Resource Plan (“IRP”) and the regulations of the Energy Bureau.
- By June 30, 2019 and as pre-requisite to commence transactions involving PREPA’s assets, PREPA will be required to separate the internal accounting of each of its generation, transmission and distribution assets, as if such functions were being performed by separate entities, to avoid discrimination, cross subsidies and distortion of the competition.

## **Long Term Planning of the Electric System**

- The long term planning of the electric system would be based on the IRP, which would be prepared by PREPA or the Concessionaire and approved by the Energy Bureau. The IRP would describe the combination of supply and conservation and resources which would satisfy short, medium and long term energy needs at the least reasonable cost. The IRP would be prepared for a planning horizon of 20 years but would be revised every 3 years.
- However, when 60% or more of the generation is in private hands, the IRP would be prepared by the Energy Bureau with ample public and stakeholder participation.

## **Generation**

- All non-renewable-based generation plants (new or existing) must be able to operate on two (2) or more fuels.
- Starting on the year 2028, no permits or licenses will be issued for the establishment or operation of carbon-based energy companies, which will be prohibited henceforth.
- A minimum 60% of fossil fuel-based energy (gas or petroleum-derived) must be generated in a highly efficient manner.
- Parties to sale or partnership agreements who acquire or come to operate PREPA generation assets shall modernize the plants or substitute them for highly efficient plants within five (5) years.

- Power purchase agreements between PREPA, the Concessionaire and any independent power producer would be subject to the requirements of Act 57-2014 and the regulations adopted by the Energy Bureau. However, when the power purchase agreement is part of a transaction involving PREPA's assets pursuant to Act 120-2018, only a Certificate of Energy Compliance would be required.
- The Energy Bureau would establish parameters for pricing, adjustments, escalation and profit margins for power purchase agreements.

### **Microgrids and Distributed Energy Resources**

- PREPA and the Concessionaire shall maximize the use of renewable energy resources, while ensuring the stability and reliability of the electric system by, for example, providing for alternative operation methods or allowing the installation of equipment and technology that mitigates the effects of such sources, as provided for in the IRP. Such integration shall comply with the requirements of the renewable portfolio standard.
- PREPA and the Concessionaire shall establish expedited procedures for the interconnection of small residential and commercial solar rooftop systems of less than 25 kW of capacity.

Generally, interconnection applications shall be evaluated by PREPA or the Concessionaire within ninety (90) days of filing. Non-compliance with the public policy requirements related to the interconnection of distributed generator or microgrids will be subject to fines of \$1,000 per day, to be imposed by the Energy Bureau.

- However, photovoltaic systems covered under Executive Order OE-2017-064 shall be deemed automatically approved, provided such systems comply with said Order.
- The Act would require the establishment of expedited and uniform procedures for the interconnection of microgrids of up to 5 MW of capacity. Microgrids with capacities greater than 5 MW will be subject to an approval process before the Energy Bureau which will involve public participation.

### **Reconstruction Requirements**

- The Energy Public Policy Act would establish specific requirements and priorities for reconstructing electric system infrastructure, including:
  - Replacing temporary transmission structures with monopoles designed to resist sustained winds of 150 mph.

- Replacing and maintain anchoring systems.
- Establish corrosion mitigation programs.
- Diversifying black-start capable generating units.
- Evaluating the installation of underground transmission and distribution systems in urban centers and essential service facilities.
- Evaluating the relocation of substations located in flood prone zones.

### **Future Electric Market**

- The Energy Public Policy Act would require the Energy Bureau to conduct a study regarding the viability and convenience of establishing an open, free market, electric system which shall be submitted to the Governor and the Legislative Assembly on or before June 30, 2030.
- If such a market is established, it shall be based on the generation, transmission, distribution, and control systems functions being independent and legally separate from one another.

### **PREPA Governance**

- The Energy Public Policy Act would change the composition of PREPA's Board to require five (5) of seven (7) members to be appointed by the Governor, with the advice and consent of the Senate, from lists presented by the College of Engineers and Land Surveyors, the College of Certified Public Accountants, the Puerto Rico Manufacturers Association, the Puerto Rico Chamber of Commerce, and the University of Puerto Rico. One member shall be appointed by the Governor in his sole discretion. The remaining member shall be a representative of all consumers and shall be elected by special election.

### **Electric Service Companies**

- The Energy Public Policy Act would also prohibit that electric service companies control more than 50% of generation capacity assets, except where PREPA controls its own legacy assets.
- On or before December 31, 2019, the Puerto Rico Energy Bureau must adopt regulation with the purpose of incentivizing investment by electric service companies on infrastructure, technologies, distributed generation integration, renewable sources, and services. Such regulation would also provide for the imposition of penalties based on performance of electric service companies in relation to the foregoing. Example criteria are set in the

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- The Puerto Rico Energy Bureau shall, within 180 days, adopt guidance for electric service companies to establish demand response programs or demand side management programs.
- Proposals of such programs or plans are to be submitted by electrical service companies before the Puerto Rico Energy Bureau within six (6) months.

### **Availability of Information**

- PREPA is required to publish and make available to its clients on the internet information on electric infrastructure (including information on public and private generators); copies of all contracts and board resolutions; documents regarding financial information such as income, sales, expenses, assets, debts, accounts receivable, and others; costs such as the price per barrel or equivalent, average kilowatt per hour costs per client class, costs of production of electricity, and breakdown of operational costs, among others; breakdown of projected energy demand; among others.

### **Energy Storage**

- On or before December 31, 2019, the Puerto Rico Energy Bureau must perform a study to determine energy storage goals with the purpose of integrating renewable energy to the grid and complying with the Renewable Portfolio Standard.
- Regulation is to be adopted to implement such goals, which must be met within a deadline to be established.

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