



The Río Puerto Nuevo Project uses modern science & updated data

Did you know that the Río Puerto Nuevo Project is based on current engineering science, not outdated assumptions? Although the project began decades ago, every major component has been updated using modern hydrology, climate data, and engineering standards.

The design has been updated multiple times.

- The original 1980s design concepts were reevaluated and redesigned in the 1990s, 2000s, and post Hurricane Maria, using the latest technical standards.
- The current design incorporates the latest climate and rainfall data, modeling tools, seismic and other engineering requirements.

Updated hydrologic & hydraulic models guide the project.

- Engineers use advanced watershed models to simulate various storm events.
- These models incorporate land use changes, and updated rainfall intensity curves.
- The system is designed to handle today's storm climate patterns – not those of 40 years ago.

Climate resilience is built into the design.

- Updated rainfall frequency data from NOAA is included.
- Designs account for more intense storms and faster runoff caused by urbanization.
- Safety factors ensure the system performs under future climate and sea level change conditions.

Federal standards require continuous updates.

- USACE must update designs when new science becomes available.
- Environmental reviews under NEPA incorporate the latest ecological and hydrologic information.
- The plans & specifications used for construction have been revised to meet current seismic, hydraulic, and structural codes.

Bottom Line:

*The Río Puerto Nuevo Project is not an old design. It is a **MODERN, SCIENCE-BASED** system updated repeatedly to reflect today's climate, today's data, and today's engineering standards.*