

Purchasing Managers Index of Puerto Rico Manufacturing

October 2017

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(787) 993-3336 • preguntas@estadisticas.pr

<http://www.estadisticas.pr/iepr/Publicaciones/Encuestas/ManufacturaPMI.aspx>

PUERTO RICO MANUFACTURING PMI BOUNCED BACK TO 48.1 IN OCTOBER

On a Non-Seasonally Adjusted (NSA) basis, the Purchasing Managers Index (PMI) for Puerto Rico's manufacturing sector expanded to 48.1 in October, after reaching its lowest reading last month. A reading below the threshold suggests a contraction in the manufacturing sector with respect to the previous month. All of the sub-indexes were below the threshold level, except for the Suppliers Deliveries sub-index which jumped to 87.5 this month, reaching its highest mark since the survey was first undertaken, potentially reflecting Hurricane-related disruption to the speed of suppliers' deliveries. More than half of respondents (63%) indicated that they did not resume normal operations during October. Also, the vast majority (81%) of respondents indicated that they are not considering moving production to other locations outside of Puerto Rico. The Puerto Rico Manufacturing-Purchasing Managers Index (PRM-PMI) has been at or above the threshold level in 50 of the 90 months since the survey was first undertaken. The PRM-PMI is currently available only on a Non-Seasonally Adjusted (NSA) basis which means that seasonal fluctuations can affect its performance.

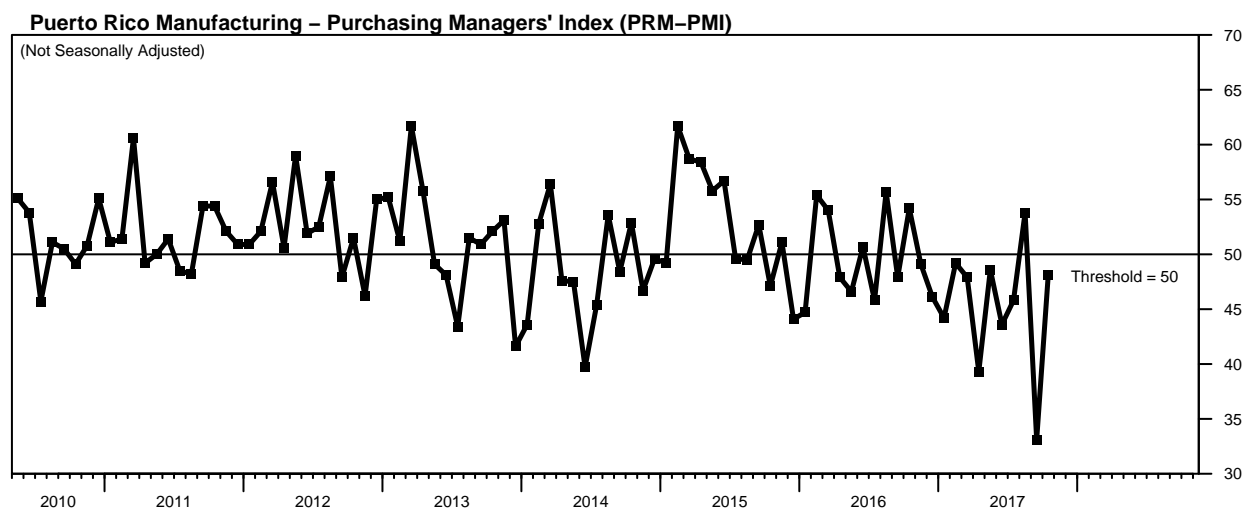


Table 1. Puerto Rico Manufacturing – Purchasing Managers' Index (NSA): October 2017

	Better	Same	Worse	PMI		
Órdenes nuevas	31.2	18.8	50	40.6	Lower	New orders
Producción	25	0	75	25	Lower	Production
Empleo	12.5	56.2	31.2	40.6	Lower	Employment
Entregas de suplidores	87.5	0	12.5	87.5	Slower	Supplier deliveries
Inventarios de su empresa	37.5	18.8	43.8	46.9	Lower	Own inventories
Puerto Rico Manufacturing – Purchasing Managers Index (NSA)				48.1	Contraction	

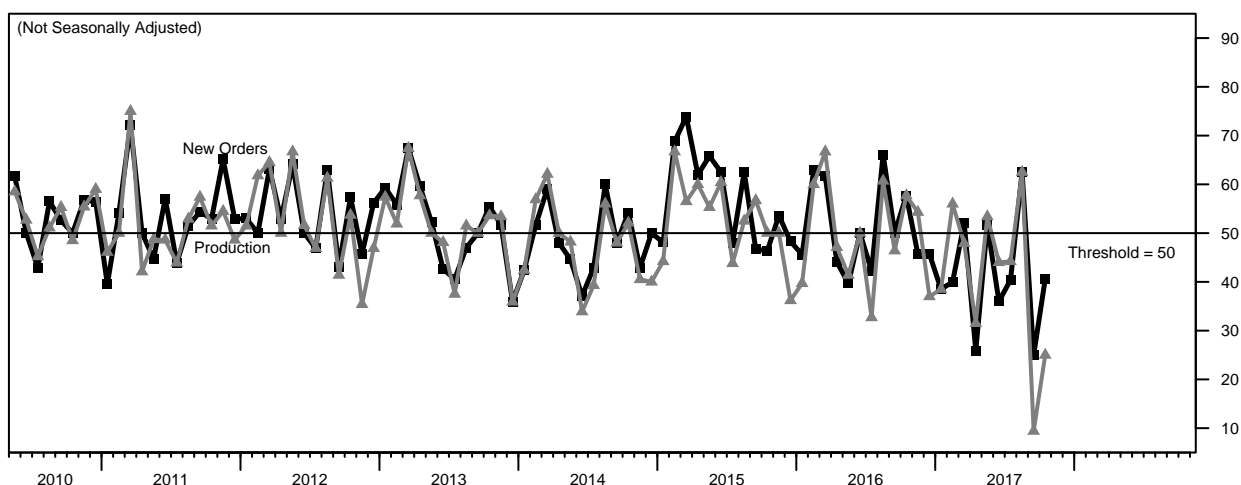
Note: Not Seasonally Adjusted (NSA)

New Orders

In October, the New Orders PMI (NSA) climbed to 40.6, but remained below the threshold level for the second consecutive month. A reading below 50 indicates that on a Non-Seasonally adjusted (NSA) basis, new orders at manufacturing establishments in October were lower than in September.

Production

The Production PMI (NSA) jumped to 25.0, but remained below the threshold level for the second consecutive month. A reading below 50 indicates that on a Non-Seasonally Adjusted (NSA) basis, manufacturing production in October was lower than in September.

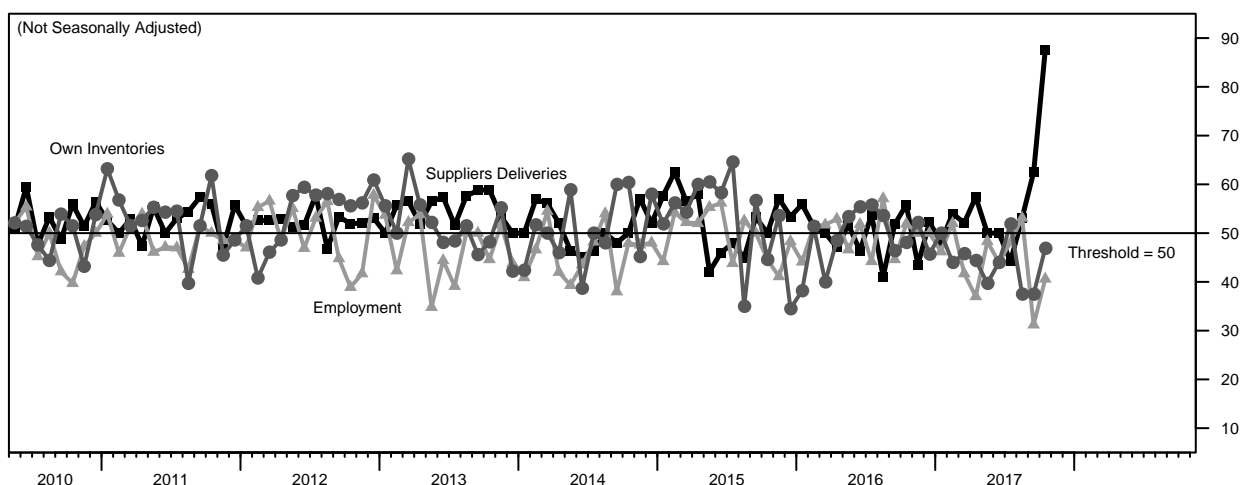


Employment

In October, the Employment PMI (NSA) edged up to 40.6, but remained below the threshold level for the second consecutive month. A reading below 50 indicates that on a Non-Seasonally Adjusted (NSA) basis, manufacturing employment in October was lower than in September.

Supplier Deliveries

The Supplier Deliveries PMI (NSA) skyrocketed to 87.5 in October, its highest reading since the survey was first undertaken. A reading above 50 indicates that on a Non-Seasonally Adjusted (NSA) basis, the speed of supply deliveries in October was slower than in September, suggesting a higher demand for intermediate goods, or in the current case disruptions related to the passing of Hurricanes Irma and María.



Own Inventories

In October, the Own Inventories PMI (NSA) increased to 46.9, but remained below the threshold level for the third consecutive month. A reading below 50 indicates that on a Non-Seasonally Adjusted (NSA) basis, inventories in manufacturing establishments in October were lower than in September.

Methodological note

The Puerto Rico Manufacturing-Purchasing Managers Index (PRM-PMI) is the result of a collaborative project between the Puerto Rico Manufacturers Association and the Puerto Rico Institute of Statistics. The PRM-PMI measures short-run business conditions in Puerto Rico's manufacturing sector, and provides a broad-based metric for the productive side of Puerto Rico's economy. It is currently in a testing phase to ensure a reliable methodology. The methodology is similar to PMI surveys conducted elsewhere. The survey questionnaire is available at <http://www.estadisticas.pr/iepr/Publicaciones/Encuestas/ManufacturaPMI.aspx>. The participants include manufacturing establishments with 50 or more employees with membership in the Puerto Rico Manufacturers Association. Currently, results are presented on a Non-Seasonally Adjusted (NSA) basis. In the future, with sufficient data points, a seasonally adjusted version of the PRM-PMI will be prepared, which will smooth away the influence of seasonal fluctuations.

The PRM-PMI is calculated as the simple average of 5 sub-indexes, representing different business conditions in manufacturing establishments: New Orders PMI, Production PMI, Employment PMI, Supplier Deliveries PMI, Own Inventories PMI. The sub-indexes are computed using a diffusion index methodology. In specific, for any given month with respect to the previous month, participants are asked to answer whether the business condition of the establishment: (1) improved, (2) remained the same, or (3) deteriorated. Diffusion indexes are calculated as the percentage of responses that indicate the business condition improved plus half of the percentage of responses that indicate the business condition remained the same. The survey also includes questions on other business conditions. The diffusion indexes that correspond to these questions are currently under evaluation.

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Contact information

Contact person: Mario Marazzi-Santiago, PhD, Executive Director

Addresses: Physical – 57 Quisqueya St., Suite 2000, San Juan, PR 00917; Postal – P.O. Box 195484, San Juan, PR 00919

Telephones: Direct – (787) 993-3337; Fax – (787) 993-3346; E-mail – mario.marazzi@estadisticas.pr.

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Publication calendar

The monthly PRM-PMI report is published at 10:00 a.m. on the first business day of the month. In specific, the table below shows the expected publication dates of the PRM-PMI report during calendar year 2016:

Reference month	Publication date
Nov-16	January 4, 2017
Dec-16	February 1, 2017
Jan-17	March 1, 2017
Feb-17	April 3, 2017
Mar-17	May 1, 2017
Apr-17	June 1, 2017

Reference month	Publication date
May-17	July 3, 2017
Jun-17	August 1, 2017
Jul-17	September 1, 2017
Aug-17	October 2, 2017
Sep-17	November 1, 2017
Oct-17	December 1, 2017