

AUTOMATIC RECOVERY OF MONTHLY FUEL AND PURCHASED POWER COSTS AND FOREIGN EXCHANGE-RELATED COSTS BY THE NATIONAL POWER CORPORATION (NPC)*

Billing Period Covered: 26 February 2016 - 25 March 2016

AUTOMATIC MONTHLY FUEL AND PURCHASED POWER COST ADJUSTMENT

LUZON

A. FCA_{pesos} = Fuel Cost Adjustment
 = $AFC - FCB + OFCA^{1/}$
 = 1,479,963,967.53 - 2,325,976,544.31 + 0.00
 = -846,012,576.77

$AFC^{2/}$ = $FCB \left[\frac{0.1751 Bn}{Bo} + \frac{0.0231 Dn}{Do} + \frac{0.1305 Cn}{Co} + \frac{0.2954 Sn^{3/}}{So} + \frac{0.3759 NGn}{NGo} \right]$
 = 1,479,963,967.53

B. $PPCA_{\text{pesos}}$ = Purchased Power Costs Adjustment
 = $APPC - PPCB + OPPCA^{1/}$
 = 3,876,288,553.56 - 3,153,371,686.48 + 0.00
 = 722,916,867.09

$APPC$ = $PPCB \left\{ \left[0.40 + \left(\frac{0.3 USCPIn^{3/}}{USCPlo} \right) \right] \frac{FXn}{Fxo} + \frac{0.3 CPIn^{3/}}{CPlo} \right\}$
 = $3,153,371,686.48 \left\{ \left[0.40 + \left(\frac{0.3 \times 237.111}{210.036} \right) \frac{46.4580}{41.7429} \right] + \frac{0.3 \times 142.50}{105.0} \right\}$
 = 3,876,288,553.56

C. $FPPCA_{\text{pesos}}$ = Fuel and Purchased Power Costs Adjustment
 = $FCA_{\text{pesos}} + PPCA_{\text{pesos}}$
 = -846,012,576.77 + 722,916,867.09
 = -123,095,709.69

D. $FPPCA_{\text{rate}}$ = $\frac{FPPCA_{\text{pesos}}}{\text{Sales}}$
 = $\frac{-123,095,709.69}{29,877,247.00}$
 = (4.1200)

REVISED AUTOMATIC RECOVERY OF MONTHLY FUEL AND PURCHASED POWER COST	
Billing Period Covered: 26 February 2016 - 25 March 2016	
Per ERC Order dated 27 September 2010 under ERC Case No. 2008-019 RM	
Current Month FPPCA(pesos)	-123,095,709.69
Less: Previous Month FPPCA (pesos)	-91,024,678.87
Net	<u>-32,071,030.82</u>
Divide by Previous Month AFC + APPC (pesos)	<u>5,388,323,551.92</u>
Percent Change	-0.60%
Previous Month FPPCA Rate	0.3672
Increase/Decrease	<u>(0.0022)</u>
Current Month FPPCA Rate	0.3650

VISAYAS

A. FCA_{pesos} = Fuel Cost Adjustment
 = $AFC - FCB + OFCA^{1/}$
 = 281,422,562.56 - 486,642,765.00 + 0.00
 = -205,220,202.44

$AFC^{/2}$ = $FCB \left(\frac{0.2041 \text{ Bn}}{\text{Bo}} + \frac{0.0998 \text{ Dn}}{\text{Do}} + \frac{0.5782 \text{ Cn}}{\text{Co}} + \frac{0.1179 \text{ Sn}^{3/}}{\text{So}} + \frac{0.00 \text{ NGn}}{\text{NGo}} \right)$
 = 281,422,562.56

B. $PPCA_{\text{pesos}}$ = Purchased Power Costs Adjustment
 = $APPC - PPCB + OPPCA^{1/}$
 = 880,962,018.22 - 716,665,090.00 + 0.00
 = 164,296,928.22

$APPC$ = $PPCB \left\{ \left[0.40 + \left(\frac{0.3 \text{ USCPln}^{3/}}{\text{USCPlo}} \right) \right] \left[\frac{\text{FXn}}{\text{Fxo}} + \frac{1.3 \text{ CPln}}{\text{CPlo}} \right] \right\}$
 = $716,665,090.00 \left\{ \left[0.40 + \left(\frac{0.3 \times 237.111}{210.036} \right) \frac{46.4580}{41.7429} \right] + \frac{0.3 \times 142.50}{105.0} \right\}$
 = 880,962,018.22

C. $FPPCA_{\text{pesos}}$ = Fuel and Purchased Power Costs Adjustment
 $FCA_{\text{pesos}} + PPCA_{\text{pesos}}$
 = -205,220,202.44 + 164,296,928.22
 = -40,923,274.22

D. $FPPCA_{\text{rate}}$ = $\frac{FPPCA_{\text{pesos}}}{\text{Sales}}$
 = $\frac{-40,923,274.22}{2,201,361.00}$
 = (18.5900)

REVISED AUTOMATIC RECOVERY OF MONTHLY FUEL AND PURCHASED POWER COST	
Billing Period Covered: 26 February 2016 - 25 March 2016	
Per ERC Order dated 27 September 2010 under ERC Case No. 2008-019 RM	
Current Month FPPCA(pesos)	-40,923,274.22
Less: Previous Month FPPCA (pesos)	-31,892,690.79
Net	-9,030,583.43
Divide by Previous Month AFC + APPC (pesos)	1,171,415,164.21
Percent Change	-0.77%
Previous Month FPPCA Rate	0.1946
Increase/Decrease	(0.0015)
Current Month FPPCA Rate	0.1931

MINDANAO

A. FCA_{pesos} = Fuel Cost Adjustment

$$= AFC - FCB + OFCA^{1/}$$

$$= 171,958,351.11 \quad - \quad 472,498,595.00 \quad + \quad 0.00$$

$$= -300,540,243.89$$

$$AFC^{1/2} = FCB \left(\frac{0.9967 Bn}{Bo} + \frac{0.0033 Dn}{Do} + \frac{0.00 Cn}{Co} + \frac{0.00 Sn^{3/}}{So} + \frac{0.00 NGn}{NGo} \right)$$

$$= 171,958,351.11$$

B. $PPCA_{\text{pesos}}$ = Purchased Power Costs Adjustment

$$= APPC - PPCB + OPPCA^{1/}$$

$$= 677,072,228.25 \quad - \quad 550,800,170.00 \quad + \quad 0.00$$

$$= 126,272,058.25$$

$$APPC = PPCB \left\{ \left[0.40 + \left(\frac{0.3 USCPI_n^{3/}}{USCPI_o} \right) \right] \frac{FX_n}{FX_o} + \frac{.3 CPI_n^{3/}}{CPI_o} \right\}$$

$$= 550,800,170.00 \left\{ \left[0.40 + \left(\frac{0.3 \times 237.111}{210.036} \right) \right] \frac{46.4580}{41.7429} + \frac{0.3 \times 142.50}{105.0} \right\}$$

$$= 677,072,228.25$$

C. $FPPCA_{\text{pesos}}$ = Fuel and Purchased Power Costs Adjustment

$$= FCA_{\text{pesos}} + PPCA_{\text{pesos}}$$

$$= -300,540,243.89 \quad + \quad 126,272,058.25$$

$$= -174,268,185.64$$

D. $FPPCA_{\text{rate}}$ = $\frac{FPPCA_{\text{pesos}}}{\text{Sales}}$

$$= \frac{-174,268,185.64}{279,797,026.00}$$

$$= (0.6228)$$

REVISED AUTOMATIC RECOVERY OF MONTHLY FUEL AND PURCHASED POWER COST	
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Per ERC Order dated 27 September 2010 under ERC Case No. 2008-019 RM	
Current Month FPPCA(pesos)	-174,268,185.64
Less: Previous Month FPPCA (pesos)	-166,922,096.81
Net	-7,346,088.82
Divide by Previous Month AFC + APPC (pesos)	856,376,668.19
Percent Change	-0.86%
Previous Month FPPCA Rate	0.0528
Increase/Decrease	(0.0005)
Current Month FPPCA Rate	0.0523

NOTES:

*Calculation is based on ERC Resolution Nos. 19 and 25 (amending Resolution No. 19) dated 3 August 2009 and 14 December 2009, respectively, adopting the "Rules for the Automatic Recovery of Monthly Fuel and Purchased Power Costs and Foreign Exchange- Related Costs by the National Power Corporation

1/ The above calculation does not incorporate the OFCA and OPPCA as PSALM is waiting for the decision relative to ERC Case No. 2010-055MC

2/ Refer to the posted graph for MOPS fuel prices

3/ The latest available data is until February 2016

AFC = Adjusted Fuel Costs in Pesos

FCB = Fuel Costs Base is equal to $(1.6811 \text{ PhP/kWh} \times 16,603,247,000/12 \text{ kWh})$ for Luzon, $(1.2789 \text{ PhP/kWh} \times 4,566,200,000/12 \text{ kWh})$ for Visayas and $(0.8961 \text{ PhP/kWh} \times 6,327,400,000/12 \text{ kWh})$ for Mindanao

OFCA = Other Fuel Costs Adjustment in Pesos

APPC = Adjusted Purchased Power Costs in Pesos

PPCB = Power Purchase Costs Base is equal to $(2.2791 \text{ PhP/kWh} \times 16,603,247,000/12 \text{ kWh})$ for Luzon, $(1.8834 \text{ PhP/kWh} \times 4,566,200,000/12 \text{ kWh})$ for Visayas and $(1.0446 \text{ PhP/kWh} \times 6,327,400,000/12 \text{ kWh})$ for Mindanao

OPPCA = Other Purchased Power Costs Adjustment in Pesos

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