

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

Billing Period Covered: 26 April 2016 - 25 May 2016

AUTOMATIC MONTHLY FUEL AND PURCHASED POWER COST ADJUSTMENT

LUZON

A. FCA_{pesos} = Fuel Cost Adjustment
 = $AFC - FCB + OFCA^{1/}$
 = 1,554,038,539.95 - 2,325,976,544.31 + 0.00
 = -771,938,004.36

$AFC^{2/}$ = $FCB \left(\frac{0.1751 Bn}{Bo} + \frac{0.0231 Dn}{Do} + \frac{0.1305 Cn}{Co} + \frac{0.2954 Sn^{3/}}{So} + \frac{0.3759 NGn}{NGo} \right)$
 = 1,554,038,539.95

B. $PPCA_{\text{pesos}}$ = Purchased Power Costs Adjustment
 = $APPC - PPCB + OPPCA^{1/}$
 = 3,908,443,682.68 - 3,153,371,686.48 + 0.00
 = 755,071,996.21

$APPC$ = $PPCB \left\{ \left[0.40 + \left(\frac{0.3 USCPIn^{3/}}{USCPlo} \right) \right] \frac{FXn}{Fxo} + \frac{0.3 CPIn^{3/}}{CPlo} \right\}$
 = $3,153,371,686.48 \left\{ \left[0.40 + \left(\frac{0.3 \times 239.261}{210.036} \right) \frac{46.7752}{41.7429} \right] + \frac{0.3 \times 142.90}{105.0} \right\}$
 = 3,908,443,682.68

C. $FPPCA_{\text{pesos}}$ = Fuel and Purchased Power Costs Adjustment
 = $FCA_{\text{pesos}} + PPCA_{\text{pesos}}$
 = -771,938,004.36 + 755,071,996.21
 = -16,866,008.16

D. $FPPCA_{\text{rate}}$ = $\frac{FPPCA_{\text{pesos}}}{\text{Sales}}$
 = $\frac{-16,866,008.16}{30,228,510.00}$
 = (0.5580)

REVISED AUTOMATIC RECOVERY OF MONTHLY FUEL AND PURCHASED POWER COST	
Billing Period Covered: 26 April 2016 - 25 May 2016	
Per ERC Order dated 27 September 2010 under ERC Case No. 2008-019 RM	
Current Month FPPCA(pesos)	-16,866,008.16
Less: Previous Month FPPCA (pesos)	-108,686,422.66
Net	<u>91,820,414.50</u>
Divide by Previous Month AFC + APPC (pesos)	<u>5,370,661,808.13</u>
Percent Change	1.71%
Previous Month FPPCA Rate	0.3660
Increase/Decrease	<u>0.0063</u>
Current Month FPPCA Rate	0.3723

VISAYAS

A. FCA_{pesos} = Fuel Cost Adjustment
 = $AFC - FCB + OFCA^{1/}$
 = 287,635,127.76 - 486,642,765.00 + 0.00
 = -199,007,637.24

$AFC^{/2}$ = $FCB \left(\frac{0.2041 \text{ Bn}}{\text{Bo}} + \frac{0.0998 \text{ Dn}}{\text{Do}} + \frac{0.5782 \text{ Cn}}{\text{Co}} + \frac{0.1179 \text{ Sn}^{3/}}{\text{So}} + \frac{0.00 \text{ NGn}}{\text{NGo}} \right)$
 = 287,635,127.76

B. $PPCA_{\text{pesos}}$ = Purchased Power Costs Adjustment
 = $APPC - PPCB + OPPCA^{1/}$
 = 888,269,897.15 - 716,665,090.00 + 0.00
 = 171,604,807.15

$APPC$ = $PPCB \left\{ \left[0.40 + \left(\frac{0.3 \text{ USCPI}n^{3/}}{\text{USCPI}o} \right) \right] \left[\frac{\text{FX}n}{\text{FX}o} + \frac{1.3 \text{ CPI}n}{\text{CPI}o} \right] \right\}$
 = $716,665,090.00 \left\{ \left[0.40 + \left(\frac{0.3 \times 239.261}{210.036} \right) \right] \left[\frac{46.7752}{41.7429} \right] + \frac{0.3 \times 142.90}{105.0} \right\}$
 = 888,269,897.15

C. $FPPCA_{\text{pesos}}$ = Fuel and Purchased Power Costs Adjustment
 $FCA_{\text{pesos}} + PPCA_{\text{pesos}}$
 = -199,007,637.24 + 171,604,807.15
 = -27,402,830.09

D. $FPPCA_{\text{rate}}$ = $\frac{FPPCA_{\text{pesos}}}{\text{Sales}}$
 = $\frac{-27,402,830.09}{1,670,683.00}$
 = (16.4022)

REVISED AUTOMATIC RECOVERY OF MONTHLY FUEL AND PURCHASED POWER COST	
Billing Period Covered: 26 April 2016 - 25 May 2016	
Per ERC Order dated 27 September 2010 under ERC Case No. 2008-019 RM	
Current Month FPPCA(pesos)	-27,402,830.09
Less: Previous Month FPPCA (pesos)	-40,974,346.40
Net	<u>13,571,516.30</u>
Divide by Previous Month AFC + APPC (pesos)	<u>1,162,333,508.60</u>
Percent Change	1.17%
Previous Month FPPCA Rate	0.1931
Increase/Decrease	<u>0.0023</u>
Current Month FPPCA Rate	<u>0.1954</u>

MINDANAO

A. FCA_{pesos} = Fuel Cost Adjustment

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

$$= 201,741,613.57 \quad - \quad 472,498,595.00 \quad + \quad 0.00$$

$$= -270,756,981.43$$

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

$$= 201,741,613.57$$

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

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

$$= 682,688,772.18 \quad - \quad 550,800,170.00 \quad + \quad 0.00$$

$$= 131,888,602.18$$

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

$$= 550,800,170.00 \left\{ \left[0.40 + \left(\frac{0.3 \times 239.261}{210.036} \right) \right] \frac{46.7752}{41.7429} + \left[\frac{0.3 \times 142.90}{105.0} \right] \right\}$$

$$= 682,688,772.18$$

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

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

$$= -270,756,981.43 \quad + \quad 131,888,602.18$$

$$= -138,868,379.26$$

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

$$= \frac{-138,868,379.26}{271,989,497.00}$$

$$= (0.5106)$$

REVISED AUTOMATIC RECOVERY OF MONTHLY FUEL AND PURCHASED POWER COST	
Billing Period Covered: 26 April 2016 - 25 May 2016	
Per ERC Order dated 27 September 2010 under ERC Case No. 2008-019 RM	
Current Month FPPCA(pesos)	-138,868,379.26
Less: Previous Month FPPCA (pesos)	-163,574,586.10
Net	<u>24,706,206.85</u>
Divide by Previous Month AFC + APPC (pesos)	<u>859,724,178.90</u>
Percent Change	2.87%
Previous Month FPPCA Rate	0.0530
Increase/Decrease	<u>0.0015</u>
Current Month FPPCA Rate	<u>0.0545</u>

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 April 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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