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BEFORE THE ARIZONA CORPORATION COMMISSION

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AZ CORP COMMISSION  
DOCKET CONTROL

Arizona Corporation Commission

DOCKETED

JUL 17 2014

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IN THE MATTER OF THE  
APPLICATION OF TUCSON ELECTRIC  
POWER COMPANY FOR APPROVAL  
OF ITS 2014 ENERGY EFFICIENCY  
IMPLEMENTATION PLAN.

DOCKET NO. E-01933A-13-0183

**FREEPORT-MCMORAN COPPER &  
GOLD INC.'S NOTICE OF ERRATA**

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Freeport-McMoRan Copper & Gold Inc. (“Freeport-McMoRan” or “Company”) hereby files its Notice of Errata regarding page 2, (which includes Table 2), of the letter dated July 8, 2014 from Mr. Michael McElrath, Director of Energy Services for Freeport-McMoRan addressed to Ms. Julie McNeely-Kirwan, Public Utilities Analyst for the Arizona Corporation Commission (“Commission”) which was filed with the Commission on July 10, 2014. Page 2 has been updated with corrected figures.

Please remove page 2 and replace the page with the enclosed corrected page 2 (Attachment 1). A redline version of page 2 which shows the corrections (Attachment 2) is also enclosed for your information.

RESPECTFULLY SUBMITTED this 17<sup>th</sup> day of July, 2014.

FENNEMORE CRAIG, P.C.

By

C. Webb Crockett  
Patrick J. Black  
Attorneys for Freeport-McMoRan Copper  
& Gold Inc. and Arizonans for Electric  
Choice and Competition

1 ORIGINAL and 13 copies filed  
this 17<sup>th</sup> day of July, 2014 with:

2 Docket Control  
3 Arizona Corporation Commission  
1200 West Washington Street  
4 Phoenix, Arizona 85007

5 COPY of the foregoing hand-delivered/mailed  
6 this 17<sup>th</sup> day of July, 2014 to:

7  
8 Bob Stump, Chairman  
Arizona Corporation Commission  
1200 West Washington  
9 Phoenix, Arizona 85007

Trisha Morgan, Aide  
Arizona Corporation Commission  
1200 West Washington  
Phoenix, Arizona 85007

10 Gary Pierce, Commissioner  
11 Arizona Corporation Commission  
1200 West Washington  
12 Phoenix, Arizona 85007

Eric Van Epps  
Arizona Corporation Commission  
1200 West Washington  
Phoenix, Arizona 85007

13 Brenda Burns, Commissioner  
14 Arizona Corporation Commission  
1200 West Washington  
Phoenix, Arizona 85007

Kelly Aceto  
Arizona Corporation Commission  
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Phoenix, Arizona 85007

15  
16 Bob Burns, Commissioner  
Arizona Corporation Commission  
1200 West Washington  
17 Phoenix, Arizona 85007

Jessica Perry  
Arizona Corporation Commission  
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18 Susan Bitter Smith, Commissioner  
19 Arizona Corporation Commission  
1200 West Washington  
20 Phoenix, Arizona 85007

Teresa Tenbrink  
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21 Lyn Farmer  
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24 Phoenix, Arizona 85007

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Utilities Division  
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1200 West Washington Street  
Phoenix, Arizona 85007

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By:   
9340476/023040.0041

**Attachment 1**  
**Corrected page 2**

- The APS and TEP tables below detail the projects submitted under the utility self-direction programs. The related utility worksheets are attached for each project.

Utility	FCX Location	Year	Project	Total Project \$	Savings Type	Annual kWh Saved	Rebate \$
APS	Bagdad	2012	Mine Shovel Retrofit	\$107,000	Lighting	173,000	\$107,000
APS	Bagdad	2013	FMI Flotation LED Lighting Costs	\$168,000	Lighting	94,000	\$72,000

Utility	FCX Location	Year	Project	Total Project \$	Savings Type	Annual kWh Saved	Rebate \$	Application	Custom Incentive Worksheet
TEP	Sierrita	2012	Building Lighting Improvements - Mine Truck Shop	\$21,500	Lighting	115,600	\$9,400	Pending	Pending
TEP	Sierrita	2013	Mill Concentrator Flotation Cells	\$56,300,000	Operating Efficiency	14,977,598	1,497,759.81	Yes	Yes
TEP	Sierrita	2013	Crusher Upgrades – Dust Collectors	\$16,000,000	Operating Efficiency	10,757,227	\$1,075,722.70	Yes	Yes
TEP	Sierrita	2013	A-3, B-3 and B-4 Drive Upgrade (Overland Conveyor Upgrade)	\$830,880	Operating Efficiency	1,286,976	\$128,697	Yes	Yes

- While not project specific, the table below details the motors we have installed by location and utility since 2012.

All the high efficiency motors referenced in the chart to the right for APS Bagdad and TEP Sierrita have not been included in rebate requests from the utility as documentation requirements are too burdensome.

The Morenci and Safford mines are served by Morenci Water & Electric, which has no ACC mandated energy efficiency program.

Sum of HP		Year			
State	Plant Name	2012	2013	as of Apr '14	Grand Total
Arizona	APS - Bagdad	1,473	4,087	441	6,001
	MW&E - Morenci	53,971	31,165	14,508	99,643
	MW&E - Safford	3,128	3,545	1,058	7,730
	TEP - Sierrita	22,507	18,560	4,767	45,834
Arizona Total		81,078	57,356	20,773	159,207

  

Sum of Amount Paid		Year			
State	Plant Name	2012	2013	as of Apr '14	Grand Total
Arizona	APS - Bagdad	\$ 189,994	\$ 354,743	\$ 45,858	\$ 590,595
	MW&E - Morenci	\$ 2,667,160	\$ 1,954,899	\$ 683,131	\$ 5,305,191
	MW&E - Safford	\$ 210,245	\$ 144,426	\$ 22,900	\$ 377,571
	TEP - Sierrita	\$ 1,351,345	\$ 1,274,358	\$ 482,025	\$ 3,107,728
Arizona Total		\$ 4,418,744	\$ 3,728,426	\$ 1,233,915	\$ 9,381,085

**Attachment 2**  
**Redline version of page 2**

- The APS and TEP tables below detail the projects submitted under the utility self-direction programs. The related utility worksheets are attached for each project.

Table 1 - APS/Bagdad: Specific Utility Related Energy Efficiency Projects							
Utility	FCX Location	Year	Project	Total Project \$	Savings Type	Annual kWh Saved	Rebate \$
APS	Bagdad	2012	Mine Shovel Retrofit	\$107,000	Lighting	173,000	\$107,000
APS	Bagdad	2013	FMI Flotation LED Lighting Costs	\$168,000	Lighting	94,000	\$72,000

Table 2 - TEP/Sierrita: Specific Utility Related Energy Efficiency Projects									
Utility	FCX Location	Year	Project	Total Project \$	Savings Type	Annual kWh Saved	Rebate \$	Application *	Custom Incentive Worksheet
TEP	Sierrita	2012	Building Lighting Improvements - Mine Truck Shop	\$21,500	Lighting	115,600	\$9,400	Pending	Pending
TEP	Sierrita	2013	Mill Concentrator Flotation Cells	\$56,300,000	Operating Efficiency	5,900,329 <u>14,977,598</u>	<del>\$590,032.90</del> <u>\$1,497,759.81</u>	* <u>Yes</u>	Yes
TEP	Sierrita	2013	Crusher Upgrades - Dust Collectors	\$16,000,000	Operating Efficiency	14,695,776 <u>10,757,227</u>	<del>\$1,497,759.81</del> <u>\$1,075,722.70</u>	* <u>Yes</u>	Yes
TEP	Sierrita	2013	A-3, B-3 and B-4 Drive Upgrade (Overland Conveyor Upgrade)	\$830,880	Operating Efficiency	1,286,976	\$128,697	Yes	Yes

\* - Freeport was unable to locate the Applications for the Mill Concentrator and the Conveyor Upgrade. However, Freeport has received the rebates.

- While not project specific, the table below details the motors we have installed by location and utility since 2012.

All the high efficiency motors referenced in the chart to the right for APS Bagdad and TEP Sierrita have not been included in rebate requests from the utility as documentation requirements are too burdensome.

The Morenci and Safford mines are served by Morenci Water & Electric, which has no ACC mandated energy efficiency program.

Horsepower Summary						
Sum of HP		Year				
State	Plant Name	2012	2013	as of Apr '14	Grand Total	
- Arizona	APS - Bagdad	1,473	4,087	441	6,001	
	MW&E - Morenci	53,971	31,165	14,508	99,643	
	MW&E - Safford	3,128	3,545	1,058	7,730	
	TEP - Sierrita	22,507	18,560	4,767	45,834	
Arizona Total		81,078	57,356	20,773	159,207	

  

Motor Cost Summary						
Sum of Amount Paid		Year				
State	Plant Name	2012	2013	as of Apr '14	Grand Total	
- Arizona	APS - Bagdad	\$ 189,994	\$ 354,743	\$ 45,858	\$ 590,595	
	MW&E - Morenci	\$ 2,667,160	\$ 1,954,899	\$ 683,131	\$ 5,305,191	
	MW&E - Safford	\$ 210,245	\$ 144,426	\$ 22,900	\$ 377,571	
	TEP - Sierrita	\$ 1,351,345	\$ 1,274,358	\$ 482,025	\$ 3,107,728	
Arizona Total		\$ 4,418,744	\$ 3,728,426	\$ 1,233,915	\$ 9,381,085	