FILE

#### BOEHM, KURTZ & LOWRY

ATTORNEYS AT LAW **36 EAST SEVENTH STREET SUITE 1510** CINCINNATI, OHIO 45202 TELEPHONE (513) 421-2255 RECEIVED-DOCKETING DIV 2009 APR 29 AM 10: 25 PUCO

TELECOPIER (513) 421-2764

Via Telefax Transmission and Overnight Mail

April 28, 2009

Public Utilities Commission of Ohio **PUCO Docketing** 180 E. Broad Street, 10th Floor Columbus, Ohio 43215

In re: Case No. 09-119-EL-AEC

Dear Sir/Madam:

Please find enclosed an original and twelve (12) copies of the OBJECTIONS OF THE OHIO ENERGY previously fax-filed in the above-referenced matter.

Copies have been served on all parties on the attached certificate of service. Please place this document of file.

Respectfully yours,

David F. Boehm, Esq. Michael L. Kurtz, Esq.

**BOEHM, KURTZ & LOWRY** 

MLKkew Encl.

Cc:

Certificate of Service Chairman Alan R. Schriber Ronda Hartman Fergus Valerie A. Lemmie Paul A. Centolella Cheryl Roberto

Gregory Price, Hearing Examiner

Steve Lesser, Esq.

This is to certify ther the months opening are an accurate and complete reproduction of a case file document delivered in the regular course of bug rechnician \_\_\_\_\_

#### CERTIFICATE OF SERVICE

I hereby certify that true copy of the foregoing was served by electronic mail (when available) and/or regular U.S. mail, this 28<sup>TH</sup> day of April, 2009 to the following:

David F. Boehm, Esq. Michael L. Kurtz, Esq.

ORMET PRIMARY ALUMINUM CORP. P.O. BOX 176 HANNIBAL OH 43931

VINCE, CLINTON A
SONNENSCHEIN NATH & ROSENTHAL LLP
1301 K STREET NW SUITE 600,
EAST TOWER
WASHINGTON DC 20005

BONNER, DOUGLAS G. ATTORNEY 1301 K STREET, N.W., SUITE 600, EAST TOWER WASHINGTON, D.C. 20005

NOURSE, STEVEN T SENIOR COUNSEL AMERICAN ELECTRIC POWER COMPANY 1 RIVERSIDE PLAZA COLUMBUS OH 43215 COLUMBUS SOUTHERN POWER COMPANY

KROGER COMPANY, THE MR. DENIS GEORGE 1014 VINE STREET-GO7 CINCINNATI OH 45202-1100

OHIO CONSUMERS ' COUNSEL GREGORY POULOS 10 WEST BROAD ST., SUITE 1800 COLUMBUS OH 43215-3485

OHIO POWER COMPANY
1 RIVERSIDE PLAZA, 29TH FLOOR
COLUMBUS OH 43215

INDUSTRIAL ENERGY USERS OF OHIO
SAMUEL C. RANDAZZO, GENERAL COUNSEL
MCNEES WALLACE & NURICK LLC 21 E. STATE STREET, 17TH

HAND, EMMA F SONNENSCHEIN NATH & ROSENTHAL LLP 1301 K STREET NW SUITE 600 EAST TOWER WASHINGTON DC 20005

BOOTH, WILLIAM D. 1301 K STREET NW SUITE 600, EAST TOWER

WASHINGTON DC 20005

RESNIK, MARVIN
AMERICAN ELECTRIC POWER SERV
CORPORATION
1 RIVERSIDE PLAZA, 29TH FLOOR
COLUMBUS OH 43215

RICHARDSON, SCOTT M.
1301 K STREET NW SUITE 600, EAST TOWER
WASHINGTON DC 20005

WHITE, MATTHEW S. ATTORNEY AT LAW CHESTER WILCOX & SAXBE LLP 65 EAST STATE STREET, SUITE 1000 COLUMBUS OH 43215

NOURSE, STEVEN T SENIOR COUNSEL AMERICAN ELECTRIC POWER COMPANY 1 RIVERSIDE PLAZA COLUMBUS OH 43215

MCALISTER, LISA MCNEES, WALLACE & NURIK 21 EAST STATE STREET, 17TH FLOOR FLOOR COLUMBUS OH 43215

COLUMBUS OH 43215-4228

RECEIVED-DOCKETING DIV

2009 APR 29 AM 10: 26

## PUBLIC UTILITY COMMISSION OF OHIS U C O

In the Matter Of The Application Of

Case No. 09-119-EL-AEC

Ormet Primary Aluminum Corporation for

Approval of a Unique Arrangement with Ohio

Power and Columbus Southern Power Company

#### OBJECTIONS OF THE OHIO ENERGY GROUP

Pursuant to the April 17, 2009 Entry, the Ohio Energy Group ("OEG") submits the following Objections.

OEG's members who are participating in this intervention are: AK Steel Corporation, Aleris International, Inc., ArcelorMittal, BP-Husky Refining, LLC, Brush Wellman, E.I. dupont de Nemours & Company, Ford Motor Company, GE Aviation, Griffin Wheel, Linde, Inc., Procter & Gamble Distribution Company, PPG Industries, Inc., Republic Engineered Products, Inc., Severstal Wheeling and Worthington Industries. OEG opposes Ormet's Application because it is an ill-advised economic development proposal for Ohio. For 2010, Ormet's Application would:

- 1. Result in Ormet receiving 4.66 million mWh of free electricity;
- 2. Result in delta revenue of \$206.1 million:
- 3. Cost an average residential customer of Columbus Southern and Ohio Power \$88.24 and \$80.14 per year respectively; and
- 4. Cost \$344,649 per direct job for each of Ormet's 598 Ohio employees, and \$103,256 per job for all direct and indirect jobs created by Ormet.

If the Application is approved it should be modified to: 1) set a price floor at AEP's fuel adjustment clause, currently \$24.02/mWh; and 2) exclude POLR charges from delta revenue because AEP would be the exclusive electricity supplier under the unique arrangement and AEP would therefore have no POLR risk during the term of the contract.

#### A. Background

On February 17, 2009 Ormet Primary Aluminum Corporation ("Ormet") filed an Application for approval of a ten-year unique arrangement under R.C. Section 4905.31 and OAC Section 4901:1-38-05 between itself and AEP-Ohio. The unique arrangement ties the price of electricity ("Indexed Rate") paid by Ormet to the worldwide price of aluminum as established on the London Metal Exchange ("LME"). The Indexed Rate is the amount in \$/mWh that Ormet could pay to "produce sufficient cash flow to sustain its operations at the Hannibal Facilities and to pay its required legacy pension costs, depending upon the Annual LME price of aluminum." (Proposed Unique Arrangement at Paragraph 1.13). The difference between what Ormet determines that it is able to pay for electricity (the Indexed Rate) and the tariff rate it would otherwise pay is proposed to be charged to all other ratepayers ("Delta Revenue"). Ormet asserts that this variable electric rate tied to its ability to pay and LME pricing is balanced because "when aluminum prices are low, Ormet will receive a discounted rate, and when aluminum prices are high, Ormet will pay a premium." (Application at pp. 6, 8). The maximum amount of the premium is 5% more than the otherwise applicable AEP-Ohio tariff rate. At current AEP-Ohio tariff rates of \$44.24/mWh for Ormet's full load this 5% premium is approximately \$10.3 million.<sup>1</sup> This 5% premium will apply when the LME price is more than \$3,000/tonne. The April 27, 2009 LME price is less than half that at approximately \$1,398/tonne (Attachment 2).

 $<sup>^1</sup>$  540 MW x 8,760 x 0.985 = 4,659,444 mWh. \$44.24/mWh x 4,659,444 x 0.05 = \$10,306,690. The current tariff rate Ormet would pay of \$44.24/mWh is taken from AEP's Supplemental Response to RFD-4, Attachment 1.

#### B. Objections To Proposed Unique Arrangement

#### 1. There Is No Floor On How Low Ormet's Electric Rate Can Go.

While Ormet's proposed unique arrangement caps its power costs at 5% above the otherwise applicable large industrial rate in the event LME aluminum prices more than double from their current level, there is no floor. The fact that there is no price floor was confirmed by Ormet witness Mr. Tanchuk at p. 7 of his testimony. As proposed by Ormet, the rate that it would pay could go to zero. This means that Ormet proposes that AEP's residential, commercial and industrial customers would be required to pay for the fuel, environmental (emission allowance costs for SO<sub>2</sub>, NOX and very likely in the near future CO<sub>2</sub>) and other out of-pocket variable costs to serve its 540 MW load over the period 2010-2018. We are aware of no power contract anywhere in the United States where the consumer did not have to pay at least for the out-of-pocket variable costs to serve its load. In sum, if the aluminum market stays depressed, the largest power consumer in the Midwest wants the opportunity to receive free electricity.

Despite Mr. Tanchuk's admission that there is no price floor, Ormet witness Mr. Fayne claims to the contrary at pages 5-6 of his testimony and points to Paragraph 2.03 of the proposed unique arrangement. Paragraph 2.03 provides that the Commission "may" require "modification" of the unique arrangement prior to January 1, 2016 if the cumulative net discount received by Ormet exceeds 50% of the amount Ormet would have paid under the AEP-Ohio Tariff Rate. But this provision ties the Commission's hands more than it provides ratepayer protection. Under Paragraph 2.03, the Commission is prohibited from amending the contract before 2016 if the cumulative net discount is 49% or less. It is only when the discount exceeds 50% that the Commission "may" act to modify the Agreement. Paragraph 2.03 provides no binding ratepayer protection and the fact remains that there is no floor in Ormet's proposed agreement.

Just as there is a hard 5% cap on the premium Ormet may pay, there should also be a hard floor. The floor should be the payment of all out-of-pocket variable costs to produce the power consumed by Ormet, plus some contribution to fixed costs. As shown on Attachment 1, for 2009 the fuel adjustment clauses of CSP and OPC are \$28.684/mWh and \$19.3463 (mWh respectively). (These FAC rates are understated because they do not include significant FAC deferrals). Ormet should not be charged less than these FAC rates. Because 50% of Ormet's load is served by each OPC and CSP, this would result in a price floor of \$24.02/mWh. This price floor would be 21.7% below the forecasted 2009 global average power tariff for aluminum smelters of \$30.7/mWh cited by Mr. Tanchuk at p. 6 of his testimony.

# 2. <u>Using Current LEM Futures Prices, Ormet's Proposal Would Result In It Getting</u> <u>Free Electricity In 2010 And Would Result In Delta Revenues Of \$206.1 Million For That Single Year.</u>

Ohio Office of Consumers' Counsel witness Mr. Ibrahim calculated that the delta revenue that would be produced by Ormet's proposal in 2010 would be \$179 million.<sup>2</sup> He made this calculation based upon a CSP/OPC combined tariff rate of \$38.43/mWh. But that was before the ESP rate increases. Based upon AEP's supplemental data response submitted after Mr. Ibrahim's testimony was filed, the combined tariff rate is now \$44.24/mWh, which yields a delta revenue of \$206.1 million. (Attachment 3).

Mr. Ibrahim also calculated that for any LME price of less than \$1,941/tonne Ormet would receive free electricity.<sup>3</sup> Again, that calculation used pre-ESP tariff rates. Using the post-ESP tariff rate of \$44.24/mWh, Ormet will receive free electricity if the LME price of aluminum is less than

-4-

<sup>&</sup>lt;sup>2</sup> Ibrahim Direct Testimony at p. 10.

 $<sup>^3</sup>$  Id.

\$1,822/tonne.<sup>4</sup> This means that the current LME price of \$1,398/tonne would have to go up by 30% before Ormet would pay anything for electricity.

As OEG noted in its intervention and as Mr. Ibrahim notes in his testimony, the formula proposed by Ormet actually results in a negative price of electricity. But it would be unlawful to require consumers to pay Ormet to use electricity (i.e., a negative power rate). Furthermore, from an energy efficiency and environmental perspective, it is hard to imagine a worse policy than charging the largest power consumer in the Midwest a negative price for electricity.

A delta revenue of \$206.1 million in 2010 will result in significant rate increases per customer class. The Economic Development Cost Recovery Rider approved by the Commission in AEP's ESP case allocates delta revenue on the basis of distribution revenue. Attachment 4 shows residential, commercial, industrial and other distribution revenue as a percent of total for OPC and CSP. Using these percentages and 2010 delta revenue of \$206.1 million results in the following rate increases.

Rate Increases By Class Assuming Annual Delta Revenue Of \$206.1 Million

	CSP	OPC
Residential	\$59.8 million	\$54.1 million
Commercial	\$33.4 million	\$26.1 million
Industrial	\$9.3 million	\$21.7 million
Other	\$0.6 million	\$1.1 million

	CSP	OPC
Residential	\$7.74/mWh	\$7.03/mWh
Commercial	\$3.64/mWh	\$4.37/mWh
Industrial	\$1.62/mWh	\$1.51/mWh
Other	\$10.91/mWh	\$12.11/mWh

 $<sup>^{4}</sup>$  [(\$2,725 - \$1,822) \* 0.049] - 44.24 = Zero.

For the average residential customer using 950 kWh per month this translates into an annual rate increase of \$80.14 for OPC and \$88.24 for CSP. For a large steel company like Severstal Wheeling, Republic or Timken the delta revenue subsidy to Ormet would be more than \$1 million per year by each steel company. The annual delta revenue that would be paid by the OEG members served by AEP would be approximately \$4.1 million

The economic impact study performed by Ormet witness Prof. Coomes did not take into account the job losses and economic hardship associated with a \$206.1 million per year wealth transfer from 1.46 million customers to a single corporation. Ormet has 598 direct employees who live in Ohio. The delta revenue amounts to \$344,649 per direct Ohio employee. This is not a wise economic development arrangement for Ohio.

## 3. The Proposed Unique Arrangement Allows Ormet To Effectively Set Its Own Electric Rate.

This proposed unique arrangement effectively allows Ormet to set its own electric rate. The Target Price and Indexed Rate sought by Ormet for 2010 and 2011 are attached to its Application. Pursuant to Paragraph 5.02, beginning October 1, 2011, each year Ormet is to prepare and submit to the Commission a schedule showing the Target Price and Indexed Rate that Ormet unilaterally determines that it needs/wants for the following year. There is no contractual standard as to how Ormet will determine the electric price it needs/wants to pay, other than it will be the rate Ormet determines is necessary to "produce sufficient cash flow to sustain its operations at the Hannibal Facilities and to pay its required legacy pension costs." (Proposed Unique Arrangement Paragraph 1.13). "Sufficient cash flow" is undefined. "Sustain its operations" is undefined. Nor can either term be quantified and therefore audited. The contract does provide that Ormet will pay for an independent third party to review "any schedule" submitted by Ormet. But the schedule is a one-page piece of paper in the form of Schedule A to the Application. There is no provision limiting the salaries or dividends Ormet can pay

while it is receiving a ratepayer subsidy. There is no incentive for Ormet to control its costs because if its cash flow is hurt through excessive expenses, then its power rate will be correspondingly lower. But the power rates of all other consumers will then go up through increased delta revenue payments.

Ormet's proposal that it be able to set its annual electric rate based upon its determination of its cash flow needs is an abdication of the ratemaking function to itself. No utility is allowed to establish the rates it charges based upon its unilateral determination of its cash flow needs. Yet Ormet seeks this privilege regarding the rates it will pay, and therefore the delta revenue everyone else will pay.

Ormet has \$289 million "legacy" costs. (Attachment 5). These include \$220.8 million in pension obligations that Ormet has under funded. Over the next five years the cash cost of Ormet's legacy obligations is estimated at \$241 million. It would be wonderful if this state was rich enough to bail out Ormet. But we are not. Forcing 1.46 million consumers to pay higher electric rates to bail out Ormet only means that these same 1.46 million consumers will continue to sink deeper into their own holes of economic despair. Who is going to bail them out? This Commission is supposed to protect the public interest, not the private interests of Ormet.

### 4. The Economic Impact Of Ormet Extends 58% To Ohio And 42% To West Virginia, Yet Ohio Consumers Would Pay All Of The Ormet Subsidy.

Attachment E to the Application is a study showing the economic impact of Ormet to the surrounding seven county region. Four of these seven counties are in West Virginia. Ormet directly employs 1,027 people. 598 in Ohio, 427 in West Virginia and 2 in Pennsylvania. Ormet's employment is therefore 58% in Ohio and 42% in West Virginia. Because each industrial job creates additional jobs through a multiplier effect, Ormet's study estimates that the total net annual impact on the seven county region is 3,441 jobs (1,996 in Ohio and 1,445 in West Virginia) and \$195 million in total employee compensation (\$113 million in Ohio and \$82 million in West Virginia).

A subsidy by Ohio ratepayers of \$206.1 million in 2010 to maintain 1,996 direct and indirect Ohio jobs is \$103,256 per job. This means that the subsidy is more than the value of the jobs. Of course, there is no question that this unique arrangement is a tremendous benefit to the economy of West Virginia because it gets 42% of the benefit and pays none of the delta revenue.

#### 5. Delta Revenue Should Not Include Any POLR Charges.

The unique arrangement proposed by Ormet would make AEP the exclusive electric supplier to its Hannibal, Ohio facility. (Proposed contract §2.01). Therefore, if the unique arrangement is approved, AEP would have no risk that Ormet would shop for competitive generation during the contract term. Because AEP would have no POLR risk, POLR charges should be excluded from any delta revenue. POLR charges to Ormet under AEP's existing tariffs are approximately \$15.3 million per year. (Attachment 1).

If POLR charges are not excluded from delta revenue, then AEP will actually benefit from the unique arrangement because it would receive the full tariff revenue (including POLR), but have no POLR risk. Delta revenue should be used to keep the utility economically neutral (at most), not provide it with an affirmative benefit.

#### C. Conclusion

As proposed, this unique arrangement is unreasonable and unlawful and should be modified by the Commission to:

- 1) Establish a price floor at AEP's fuel adjustment clause, currently \$24.02/mWh; and
- 2) Exclude POLR charges from delta revenue.

Respectfully submitted,

David F. Boehm, Esq. Michael L. Kurtz, Esq.

BOEHM, KURTZ & LOWRY 36 East Seventh Street, Suite 1510

Cincinnati, Ohio 45202

Ph: (513) 421-2255 Fax: (513) 421-2764

E-Mail: dboehm@BKLlawfirm.com

mkurtz@BKLlawfirm.com

April 28, 2009

COUNSEL FOR THE OHIO ENERGY GROUP

# COLUMBUS SOUTHERN POWER COMPANY'S AND OHIO POWER COMPANY'S RESPONSE TO OHIO CONSUMERS' COUNSEL DISCOVERY REQUESTS FIRST SET CASE NO. 09-119-EL-AEC

#### REQUEST FOR PRODUCTION OF DOCUMENTS

RPD-4. Please provide a copy of all documents, communications, and information

that were used to respond to OCC Interrogatory No. 6.

RESPONSE:

See the Companies' response to OCC Interrogatory No. 6.

SUPPLEMENTAL RESPONSE:

See the attached 4 pages that support the Supplemental Response to OCC

Int. 6.

Prepared by: Counsel

Supplement Prepared by: D.M Roush

COLUMBUS SOUTHERN POWER COMPANY'S AND OHIO POWER COMPANY'S RESPONSE TO OHIO CONSUMERS' COUNSEL

**DISCOVERY REQUESTS** FIRST SET

**CASE NO. 09-119-EL-AEC** 

INTERROGATORY REQUEST

INT-6 Please identify the amount of delta revenues expected to be produced on a

yearly basis by the unique arrangement proposed in the Application.

Pease provide an explanation regarding the calculation of the delta

revenues that would be produced by this unique arrangement - please

include all assumptions made, and all rate comparisons, including

schedules, and riders that are components of the delta revenue calculation

provided in response to the preceding interrogatory.

RESPONSE:

The Companies have not identified the amount of delta revenues expected

to be produced on a yearly basis by the unique arrangement proposed in

the Application

SUPPLEMENTAL RESPONSE:

Assuming full production, and a \$38/MWH charge to Ormet the delta

revenues from June through December 2009 would be \$16,587,162. Over

that same time period, assuming the shut down of two potlines and a

\$34/MWH charge to Ormet, the delta revenues would be \$18,729,288.

Prepared by: Counsel

Supplement Prepared by: D.M Roush

		Jun	Jul	Aug	Sep	Ö	Nov	Dec	Total
kWh		372,953,401	385,246,208	385,246,208	373,118,574	384,424,135	372,229,847	384,498,535	
ESP Rate Billing	Billing								
မာ	Gen	\$12,950,978	\$13,247,858	\$13,247,858	\$12,956,704	\$13,219,631	\$12,925,891	\$13,222,186	
	Trans	\$1,863,143		\$1,896,373	\$1,863,969	\$1,892,326	\$1,859,529	\$1,892,692	
	Dist	\$1,780,274		\$1,828,543	\$1,781,061	\$1,824,648	\$1,776,826	\$1,825,000	
	Total	\$16,594,395	\$16,972,773	\$16,972,773	\$16,601,734	\$16,936,605	\$16,562,246	\$16,939,878	
\$/MWh	Gen	\$34.73	\$34.39	\$34.39	\$34.73	\$34.39	\$34.73	\$34.39	
	Trans	\$5.00	\$4.92	\$4.92	\$5.00	\$4.92	\$5.00	\$4.92	
	Dist	\$4.77	\$4.75	\$4.75	\$4.77	\$4.75	\$4.77	\$4.75	
	Total	\$44.49	\$44.06	\$44.06	\$44.49	\$44.06	\$44.49	\$44.06	
\$38 /MW/h	\$38 /MWh Dollar Rate Billing	e Billing							
€⁄3-	Gen	\$10,528,812	\$10,914,440	\$10,914,440	\$10,533,476	\$10,891,144	\$10,508,379	\$10,893,252	
	Trans	\$1,863,143		\$1,896,373	\$1,863,969	\$1,892,326	\$1,859,529	\$1,892,692	
	Dist	\$1,780,274	\$1,828,543	\$1,828,543	\$1,781,061	\$1,824,648	\$1,776,826	\$1,825,000	
	Total	\$14,172,229	\$14,639,356	\$14,639,356	\$14,178,506	\$14,608,117	\$14,144,734	\$14,610,944	
\$/MWh	Gen	\$28.23	\$28.33	\$28.33	\$28.23	\$28.33	\$28.23	\$28.33	
	Trans	\$5.00	\$4.92	\$4.92	\$5.00	\$4.92	\$5.00	\$4.92	
	Dist	\$4.77	\$4.75	\$4.75	\$4.77	\$4.75	\$4.77	\$4.75	
	Total	\$38.00	\$38.00	\$38.00	\$38.00	\$38.00	\$38.00	\$38.00	
ESP Delta	ո Revenue (	ESP Delta Revenue (ESP Rate - \$38 /MWh Requested Rate)	8 /MWh Reque	sted Rate)	\$0 403 008	40 308 488	\$2 417 512	\$0 308 G34	¢16 587 162
		<b>44,444,100</b>	: t'000'Ve	46,000,49	44,744,640	50t.010.14	1 0	t-00'010'04	401,100 <sub>1</sub> 01

		######################################	C Bear Dist.) C Bear Dist.) C Bear Dist.) C BEARSAL C BE		
		Real Services of the services	Erth. Serv. P. Bess Det.) D. CORNIST D. CORN	Enh Berr. Rebbs. \$13.33 \$19.481 \$19.481 \$13.483 \$13.483 \$13.485	EBN Sav. Ralab. (A time Diet.) 60746878 0.0746878 0.0746878 0.0746878 0.0746878
		10,000 May	Fuel Add. Charles Char	Course Course 20,776,544 23,776,544 23,776,545 23,716,545 24,716,545 24,716,545 25,716,545 25,716,545 25,716,545	Fuel Aq., Clause, Clause, O. Stockers, Clause, S. Stockers, Clause, S. Stockers, S.
		Ready.	Gent Dust Record.	# # # # # # # # # # # # # # # # # # #	Per Cost Bressy. O O O O O O O
		1088 584,616 5800,888 1900,538 1900,538 1900,531 1900,531	TORR Ehrery 80.002398 80.002398 80.002398 \$0.002398 \$0.002398 \$0.002398	4CR R Energy \$532,783 \$50,340 \$50,340 \$50,170 \$50,770 \$540,277	TCRR (6 Eng) (7 Eng) (
		TCRR Demont S488.240 \$488.240 \$488.240 \$488.240 \$488.240 \$488.240	76.84 25.72 26.72 26.72 26.72 27.73 27.73 27.73	10RR 1478,337 1478,337 1478,337 1478,230 1478,397 1478,397 1478,397	TCRR Demand \$1.65
		45 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PAR T Blue Ga		
		MP Lk. Termin. 162,948 163,973 162,953 162,963 163,653	MP Lt. Tembr. 2000/1229 2000/1229 2000/1229 2000/1229 2000/1229 2000/1229 2000/1229 2000/1229 2000/1229 2000/1229		
		1 1887, 323 1 1887, 323 1 1887, 373 1 1877 1	FOLR Charge 10.0044876 10.004886 10.004886 10.004886 10.004886	66.00 64.40 64.40 64.40 64.10	POUR CINETO \$0.0021522 \$0.0021522 \$0.0021522 \$0.0021522 \$0.0021522
		A CONTROLL OF THE CONTROLL OF	CSP Refers Natives Training Services Natives Chapter Training Chapter	CoPCo Ristors Test Association of Comparation of Co	Things Puglish The Charge Char
ı	******	8888888	[[		A STATE OF S
ä	9825,276 3841,614 3941,614 3942,593 3942,593 3940,637 3940,577	Thursday Thursday Thursday	Target of the state of the stat	O Tarch	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	5912,119 1402,543 1412,533 141	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 g 0	25.00 25.00	OB BOOM
5	202 1202,130 202 160,100,100 203 160,200,100 203 160,200,100 203 160,200,100 203 160,200,200 203 160,200,200 203 160,200,200 203 160,200,200	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Gen.	Me. Tan Gen.	* NO.
Total Big	57,817,534 47,972,542 57,525,542 57,520,986 57,966,530 57,962,370	2000 0000 0000 0000 0000 0000 0000 000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2000 000 000 000 000 000 000 000 000 00
١	\$ 27 5 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	115 Advanced 223,000 Evel. First 823,872 SEDERSON 823,042 SEDERSON 823,048 SEDERSON 823,048 SEDERSON 823,048 SEDERSON 823,048 SEDERSON 823,048 SEDERSON 824,029 SEDERSON 824,029 SEDERSON 824,029 SEDERSON 824,029 SEDERSON	Advanced (1978) (Advanced (1978) (Advanc	16 Aventoed 883,000 Ent. Flora 883,000 Ent. Flora 881,500 Exception 532,240 Exception 532,240 Exception 532,171 Exception 532,177 Exceptio	Advanced  OD Enex. Fund (EEF) Sest 90.0065000 881 90.0065000 881 90.0065000 881 90.0065000 881 90.00650000 981 90.00650000
a a	2051,024 11,114,1985 206,626 61.460,720 2066,620 61.480,720 2066,620 61.480,200 2041,65 81,164,020 2049,870 91.164,420	1,000 123 1,000 123 1,000 123 1,000 123 1,000 123 1,000 123 1,000 123 1,000 123 1,000 123	181 481 481 481 481 481 481 481 481 481	184 184 184 184 184 184 184 184 184 184	\$4 USF
Less Trees	86,670,839 1985; 18,846,573 1986 56,673,748 1995 56,673,746 1995 36,677,917 1994 36,673,475 1994	- *	11 7 252255	2.6	Grown Ree, U.S.F. Creek 423,020 K. Save Elect. P. 90,0010001 D. 90,0010001
5		2	es.  On Divest Rec.	77. Charte Bar. Ch	S C C C C C C C C C C C C C C C C C C C
Found	18, 775,281 94,600,231 98,780,123 18,780,780 19,661,073 19,780,780	20 20 20 20 20 20 20 20 20 20 20 20 20 2	Gouss Record Control C	Gross Fr. Cade Gwi. Syn. Syn. Syn. Syn. Syn. Syn. Syn. Syn	Gross Rec. Crash (A Bens Gas)
		Hill Bears Bill Digst. 25 \$249,007 27 \$249,007 25 \$249,007 26 \$249,107 24 \$249,107 24 \$249,107 24 \$249,107 24 \$249,107 24 \$249,107		Mare Bill Dist. Di	
		Customer Base 888 Dist. Gene. 713.41 81.251.942 713.41 81.252.56 713.44 81.252.56 713.44 81.359.464 713.44 81.359.464 713.44 81.359.464 713.44 81.359.464	Outlones Data From From From From From	Cuddring Base 884. Dat. Bah. Stor. 12-72 KM Stor. 1	tomer int. \$535 \$535 \$535 \$535 \$535 \$535 \$535 \$53
		Energy Const Died, Died,	Chargy Customers to Charge Cha	Energy Cust Dist. Dist. Be7.5401 1 Be7.540 1 Be7.540 1 Be7.500 1 Be7.500 1	Die 159   Customer Die 1, Die 1, Die 1, Die 1, Die 1, Die 1, Die 2, Di
		S S S S S S S S S S S S S S S S S S S	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Energy E. Con. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Energy E Gen. (Gen. (Gen
HAVE	102,000 102,000 102,000 102,000 102,212,000 103,212,000 103,00	20 00 00 00 00 00 00 00 00 00 00 00 00 0	CSP Rates Institute Dermand In 2,000 OP Estense In 2,000 OP Estense In 2,000 In 2,00	8	E \$ 2
	整定设施的设	Dengind Dengind Coher 3,000 Coher 3,000 Coher 5,000 Co	CSP Ration Colors and	Demand Date Date Date Strict & Control S	OPCO Rates
Billing Datambanda	264,159 264,159 264,377 264,377 264,377 264,666 263,741 263,741	Dennard Own 3,000 Sen. 61,2346,638 51,2346,638 51,234,634 51,237,544 51,237,544 51,234,412 81,234,412 81,234,412	Demand Own: 3,040 Own: 4,020 14,020 14,020 14,020 14,020		
Balling Way do	NELEC	Demand Part 3,000 Part	Demand 50,685 50,685 50,685 50,685 50,685 50,685 50,685		04 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
   <u>\$</u>	20 M 10127	Demand 784 2,000 784 2,000 785 2,004 785 2,004	Demend Paris, 2000	h Dymand Cen.  08. 12,570,490  9. 12,570,490  10. 12,520,537  10. 12,520,537  10. 12,574,495  10. 12,574,495	Demand Don. Don. Space S
Model	Jun-08 Jul-09 Jun-09 Sep-09 Dec-08 Bear-09 Dec-09	Marth Jun-08 Jun-08 Sep-08 Mar-08 Mar-08 Dec-08	Morth Jun-09 Jun-09 Jug-09 Sap-09 Cotton Now-08	Memth Jun-ON July-OB Aug-OB Sep-OB Oct-IB New-OB New-OB	Month Avide Avide Sepide Sepide Navide Decide

		Jun	la L	Aug	Sep	ö	Nov	Dec	Total
kWh		256,054,201	264,450,368	264,450,368	256,219,374	263,628,295	255,330,647	263,702,695	
ESP Rate Billing \$ Gen Trans Dist Total	Billing Gen Trans Dist Total	\$8,897,939 \$1,279,156 \$1,223,210 \$111,400,305	\$9,100,269 \$1,301,756 \$1,256,143 \$11,658,167	\$9,100,269 \$1,301,756 \$1,256,143 \$11,658,167	\$8,903,666 \$1,279,981 \$1,223,997 \$11,407,644	\$9,072,042 \$1,297,709 \$1,252,247 \$11,621,999	\$8,872,853 \$1,275,542 \$1,219,762 \$11,368,156	\$9,074,597 \$1,298,075 \$1,252,600 \$11,625,272	
\$/MWh	Gen Trans Dist Total	\$34.75 \$5.00 \$4.78 \$44.52	\$34.41 \$4.92 \$4.75 \$44.08	\$34.41 \$4.92 \$4.75 \$44.08	\$34.75 \$5.00 \$4.78 \$44.52	\$34.41 \$4.92 \$4.75 \$44.08	\$34.75 \$5.00 \$4.78 \$44.52	\$34.41 \$4.92 \$4.75 \$44.08	
\$34 /MWr	\$34 /MWh Dollar Rate Billing \$ Gen \$6,20 Trans \$1,27 Dist \$1,22 Total \$8,70	e Billing \$6,203,477 \$1,279,156 \$1,223,210 \$8,705,843	\$6,433,414 \$1,301,756 \$1,256,143 \$8,991,313	\$6,433,414 \$1,301,756 \$1,256,143 \$8,991,313	\$6,207,480 \$1,279,981 \$1,223,997 \$8,711,459	\$6,413,406 \$1,297,709 \$1,252,247 \$8,963,362	\$6,185,939 \$1,275,542 \$1,219,762 \$8,681,242	\$6,415,217 \$1,298,075 \$1,252,600 \$8,965,892	
\$/M\vh	Gen Trans Dist Total	\$24.23 \$5.00 \$4.78 \$34.00	\$24.33 \$4.92 \$4.75 \$34.00	\$24.33 \$4.92 \$4.75 \$34.00	\$24.23 \$5.00 \$4.78 \$34.00	\$24.33 \$4.92 \$4.75 \$34.00	\$24.23 \$5.00 \$4.78 \$34.00	\$24.33 \$4.92 \$4.75 \$4.76	
ESP Delt	ESP Delta Revenue (ESP Rate \$2,694,4	ESP Rate - \$34 \$2,694,462	- \$34 /MWh Requested Rate) 162 \$2,666,855 \$2,666,8	\$2,666,855	\$2,696,185	\$2,658,637	\$2,686,914	\$2,659,380	\$18,729,288

55.53 53,792,747 53,792,747 53,792,747 53,792,955 53,792,955 53,792,055 Fuel Adj.
Chase o
\$0.0288840
\$0.0288840
\$0.0288840
\$0.0288840
\$0.0288840 Pont Adj. Clause 32,473,551 12,558,008 12,178,408 12,178,448 12,1950,118 12,489,852 12,650,118 Fuel Add.
Clause
Clause
ED.0192463
ED.0192463
ED.0192463
ED.0192463
ED.0192463 Recov. Recov. P. Beee Gen. D 1 2222222 2222222 TC/RK Energy to 00025988 60,00025988 50,0005848 50,0005848 60,0005848 TD9RK Energy \$205,706 \$277,731 \$306,022 \$376,603 \$376,123 \$376,123 10.00 1992,717 1943,627 1943,627 1942,69 1942,69 1991,777 1842,669 TORR ENERGY FACOCESTY FOLOGOSTY FOLOGOSTY FOLOGOSTY FALOGOSTY FALOGOSTY FALOGOSTY FALOGOSTY FALOGOSTY TCRR Denser 3320.217 3320.049 3320.044 3320.044 3320.045 3320.045 3320.045 3320.044 TCRR 21.765 21.7 70.00 Demend Demend S200, 437 (200, 300 S200, 300 S200, 400 表表 まなななかれ PAR Bake Gent Con D 2222222 POUR Charge 2578,857 2588,658 457,305 4587,655 4587,655 4587,655 POLA Charge 2275.540 6294.675 5284.675 5284.675 5284.675 5284.676 5283.600 5283.600 5283.600 POLR Charge 40.0021522 30.0021522 40.0021522 50.0021522 60.0021522 222222 \*\*\*\* 140,000 140,000 140,000 140,000 140,000 140,000 140,000 140,000 140,000 222222 222222 8888888 Fanchia Ver Gen 24 1 0 24 1 4 25 3 3 3 3 3 3 3 3 3 26. Tar 20.00 to 10.00 to 10.0 ្នៃនេះនេះនេះនេះ 222222 222222 50,007,000 50,672,125 50,672,125 56,577,126 56,677,126 56,659,716 56,657,856 56,677,856 2222322 222222 3323232 2222222 100 PE CEST 100 PE 00,000 to 00,000 100 PF 10 3652,873 2662,675 3665,875 5663,285 3661,612 5661,089 400,000 80,000,000 80,000,000 80,000,000 80,000,000 80,000,000 80,000,000 80,000,000 80,000,000 80,000,000 80,000,000 80,000,000 8 1825.00 11.0 \* 623,000 \$0.0019601 \$0.0019601 \$0.0019601 \$0.0019601 \$0.0019601 Gross Rec. Cardt Dat. (X Base Dist.) 0.00 3333333 2222222 ~~~~~ Gross Roc. Credit (X Base Del 222222 2222222 Open Rec. Date OHI Dat, 1722,733 1724,165 1724,165 1723,700 1723,915 1723,915 Base Bill Dat. 6170,078 5171,610 8471,610 6170,186 5160,587 5160,587 \$1,654,839 \$1,655,843 \$1,655,843 \$1,0363,13 \$1,500,246 \$1,500,052,13 **355555** 2713,41 1773,41 1773,41 1773,41 1773,41 1773,41 1773,41 Energy Onc. 648,74 850,812 850,812 840,812 848,577 848,577 Energy Olei, DO,0003905 RO,0003905 RO,0003905 SO,0003905 RO,0003905 RO,0003905 Ehergy Chick \$0,0005612 \$0,0005612 \$0,0003612 \$0,0003612 \$0,0003612 \*\*\*\*\* Energy Can. 10.00004885 50.0004885 50.0004885 50.0004885 50.0004885 S E 222222 Over 2,000 Over 2,000 Over 3,000 STIE,500 STIE,734 STIE,734 STIE,734 STIE,734 STIE,734 STIE,734 STIE,734 STIE,734 Somerd Dist.

\$77,733
\$77,192
\$77,192
\$77,283
\$78,962
\$78,962
\$78,963 Demard Over 1,000 0em 1,073,025 1877,436 1877,436 1877,678 1877,678 Deer 3,000 Gen. 144,873 144,873 144,826 144,826 144,828 144,828 144,828 Dermand Obst. 1,000 Obst. 1,000 10,00 Demand Gen. 20.06 10.06 10.06 10.06 10.06 10.06 Demend Gen. 61,770,970 51,770,040 51,770,040 51,770,112 51,764,537 61,766,565 51,766,503 51,765,003 Demand 640. 855,004. 825,004. 825,004. 835,004. 835,004. 712,841 712,841 72,841 40,944 Manth , Ann CB , Auth CB , Beg - CB , Cost co Morth Octob 20100 Spring 

Aluminium Page 1 of 2



09.14 (local) 28 Apr 2009

Bile beits

Browse our site

Choose a contract

**Primary Aluminium** 

You are here; home | non-ferrous metals | aluminium

**ABOUT THE LME** 

LME SERVICES

NON-FERROUS

- News & events
- Aluminium
   Price graphs
   Contract specification
   Ring trading times
   Industry usage
   Committee
- \* Aluminium Alloy
- NASAAC
- Copper
- ▶ Lead
- ▶ Zinc
- Nickel
- ▶ Tin
- **► LMEX**
- ▶ LMEmini
- MINOR METALS
- + STEEL
- PLASTICS
- **MARKET DATA**
- **PEDUCATION**
- MEDIA & EVENTS

#### **ONLINE STORE**

Frint this page

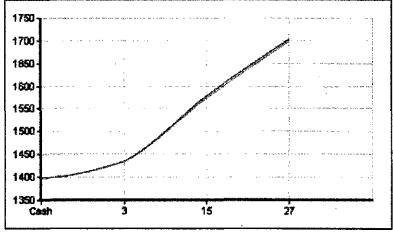
Welcome to the **Primary Aluminium** hub page. In this useful section of the site you will find information relating to the LME's largest traded contract. For convenience, settlement prices, opening stocks and the forward price curve for Aluminium are detailed below. From this page you can also navigate to the Primary Aluminium contract specification, details of the Aluminium committee members, consumption and production information, and current listed brands.

### LME Official Prices (US\$/tonne) for 27 Apr 2009

### LME Official Opening Stock (in tonnes)

	ALUMINIUM	DATE	ALUMINIUM
CASH BUYER	1,398.00	27 Apr 2009	3701325
CASH SELLER & SETTLEMENT	1,398.50		
3-MONTHS BUYER	1,434.50		
3-MONTHS SELLER	1,435.00		
15-MONTHS BUYER	1,573.00		
15-MONTHS SELLER	1,578.00		
27-MONTHS BUYER	1,698.00		
27-MONTHS SELLER	1,703.00		

#### **LME Official Prices Curve**



- ---- bid price
- ---- offer price

- Ormet Annual Energy Usage 540 MW x 8,760 x 0.985 = 4,659,444 mWh
- Calculation of Indexed Rate for 2010 using April 27, 2009 LME Forward Pricing of \$1,573/tonne and Schedule A, Page 1 of Application:

$$44.24 - 56.45 = (12.21/mWh)$$

- Assuming that today's LME futures prices accurately predict 2010 LME daily cash settlement prices, Ormet's proposed formula results in free electricity in 2010.
- Under AEP-Ohio Tariff Rate Ormet would have paid \$206,133,802.5
- Total Delta Revenue of \$206,133,802.

 $<sup>^{5}</sup>$  4,659,444 x \$44.24 = \$206,133,802

# Ohlo Power Company Revenue Class Average Rates (##Wfh)

							1802			ļ			İ			
							The O'Coverso							Average Cost (chicklib	rema)	
Revenue Class	Formoseste	Forecasted KW	Mon-FAC	Non-FAC Inormage	FAG	EAC Monteres	Total Generation	Innomite to	Distribution	D lectedar	Total Distribution	Total G. T. S. D. Secontation	_	Transmin	Oiston	Logs
	T 200 242 000	THE SAME	5100 000 000		2140 241 240		F\$00 127 191	Att and	CO 214 0 154		200 000	Cast 4/12 677	2	•		
	000 talk sale a	- TOTAL STATE OF THE STATE OF T	#430 Gen 9.En		1000000		100 May Care	**************************************			DEC. 10.00	TOTAL PART OF		2 5	4 2	1
Comment	100 COLUMN	1 305 426 500	SCHOOL STATE		2 10 10 10 10 10 10 10 10 10 10 10 10 10		TOTAL PRO CONTRA	20 1 1 1 100 ARK	AND DAY 275		200 200 270	100.0 M. I 100.000			5 4	
Office of the second		20 623 000	75000		27.507		1280324	150 351	26.287.248		15 THE 18	\$10.302.118	100		2	2
Tec.	Ł	28,150,946,000	905,858,658	8	127,787,721	2	81,080,794,120	\$190,538,964	126,700,921	R	\$474,700,921	\$1,726,034,006	3.77	0.68	28	6.43
						,	Color of the color					•				
i	•	-			244	1.							ĸ	3	i i i	
Meeting Class	S. T. Chestoched (TTM)	Oktober		MONTH ROLLING	3	757					Total Chicagonia	Total S. L. S. D.		This makes 1		Ä
Residential	7 700 213 tem	7,700,243,000	\$356,943,912	535.487.570	\$146,383,359	\$28,607,310	\$362,432,151	\$50,886,503	\$249.21B.B03	520 637 720	E276.RE7.623	\$704.178.277	12.4	2	2	35
Comments	9,974,783,000	5.974,753,000	\$130,0f0,358	421,002,374	#1.12 MEN. D.T.	\$15,656,830	80 245 738	110.777.435	\$120211.006	\$13.612 MS	\$133,844,852	\$473,308,046	197	O.	X	8
némena	14,365,185,000	14,305,166,000	\$250,007,196	\$27,589,276	200 100 017	\$720 JUST 9535	\$50,389,058	678.440.65E	277,738	618.528.878	\$115,510,062	\$701.240.3E	7	999	9	8
Other		000,623,00	12,458,834	5701,282	13,1721,587	1242,358	46,524,101	100,100	20,787,240	6360,388	66,548,632	\$11,805,144	E.08	0.46	622	12.78
Teles	28,180,948,000	26,150,948,000	#508,828,398	225 OR 380	121,160 0134	10 PH 1 10 PH	\$1,225,000,108	\$190,536,984	\$474,700,821	848, 168, S28	\$533,868,769	11,950,457,501	1	0.68	2	3
							9									
							Black O Rowense					•		Attended Cover (et	TOTAL I	
Revenue Class	Forecasted LYR	W. B.	140 64	Mon-FAC Instrume	342	FAC Incresses	Total Genteralization	Transmission	O tributos	Directors	Total Cetribuden	Total G. T. & D	September 1	Charles Departs		3
	740	Distribuction														
Residential	7,700,213,000	7,700,213,000	\$195.4¢1.482	400 000 t14	\$100,000,000	CCC 980, 495	200° LOV 70' LA	509'09'8'EM	EZ/ 8/857 5/23	\$18,009,500	1297,747,201	736,836,151	Z,	24.0	3.82	5,0
Commercial	5,974,763,600	5,874,750,000	#101 906 732	119350119	\$128 B36 D00	7,100	CO 000 L	12 456	\$133,544,852	\$11,213,053	\$145,057,005	3640,385,410	2	283	3	2
The state of the s	000 M 1 000 M	14,386,156,000	1/4/04/2/2	SSC, COASTO	192,597	103,488,000 486,488	CONTRACTOR AND	600 DH 2010	2010121018	10, 100, 100, 100, 100, 100, 100, 100,	616 per 1213	00011071000	ļ	96		3
1	28,150,946,000	28,420,548,500	H00,000,000	247,286,783	485 482 N	EST, 444, 528	\$1,478,229,180	\$180,538,964	and State Fee	10,C27,014	1577.782 FEB	12243 000 001		989	5 5	•
							Ä									
							Bill G Revenue					•		Average Cost (FIGAR)	Î	
flevense Class	Forestation (Cities	A COMP.	New FAC	Hon-FAC bysmann	3	13C because	Total Benediton	Transmission	Distribution	Phenese	<b>Teled Distribution</b>	Total G. T. & D	Generation	Transmenton 1	Character	層
	1.40	Cartestan									;		i			
Restdential	7,700213,000	7,700,213,000	5209, 122, 386	\$14,539,667	229 270 972	156,457	5515,795,381	900,446,503	24,747,783	510,510,415	2317 200,455	42 E P. (20)	6.70	3	4.12	¥ =
Commercial	5,074,753,000	5,974,753,000	\$173,342,343	\$12,128,864	\$173,817,706	\$31,517,062	T10,704,048	548,777,456	6146,067,006	E13,080,630	6159,047,536	\$516,529,036	6.87	0.82	202	10.35
brekeskrike)	14,385,158,600	14,385,156,000	1007.000	576,701,976	5368,280,5868 62 64 6 463	57 18, 5,0,055 4794 AGG	516.15.05.00		8125,485,515	257,135,752	\$142,631,288 fe in its	\$1,040,043,435	k t	990	e :	2 5
	000 300 00 00	THE REAL CLASS AREA	THE CASE CHIMA	781 458 723	200, 000	E347 678 344	44 787 ASH 80+	2400 COO MES	507 1 707 5C4	20 C C C C C C C C C C C C C C C C C C C	Self and State	On a 20 a 40 a and	170	940	200	2 0
	We law erre wy	CO. TOURSTAND		THE CAME I HAVE	Auto and manufacture of the		a mail a salaga gi a ga		A STATE OF THE PARTY OF THE PAR	i l'agentine	1 / 1 / 1 / 1 / 1	America and property	ļ	200	į	è

Ohio Power Company Tariff Class Average Rates (¢/kWh)

Table Class		46 1	Non-FAC	Non-FAC Promuse	Fac	FAC benease	2604 Blind & Remerke Total Generation	Transcription	Distribution	D Increase	Youn Distribution	Tetal 6.1.30	) contains	Average Cost (d)	(chitth) Dishfutur	
	047	0.4.7 Distribution			1	•										
RestGential	7,000,115,416	7,000,115,416	\$155,880,305		\$148,096,350		8342,178,655	\$62,627,105	\$247,314,275		\$247,314,275	\$912,318,005	250		ğ	
-	379,643,819	379,843,819	\$19,988,496		87,717,143		\$16,205,549	22,988,700	\$14,335,2%		\$14,233,254	\$36,527,50H	7.00	e e	ei E	
7	0.000,000,000,000 0.000,000,000	3,000,010,000 and other and	Part of the Article		106,0/V.ma		COT CAS TREES		14.50		574,282,841				2.0	
	7 676 444 476	7 440 248 750	6400 6414 605		9414 747 741		194 TT ANCE	F18 4 70 430	20 and 20 and		204 Octo 100	ALL SEA STATE		2 2	2 :	
	ACM -CM CM	50 504 005	THE SON CO		A 124 505		23,523	5238 AD3	S.R. S.O. 8.24		25. Filtr A14	25 AND		9,4	3 3	*
i	70,465,299	70.465.289	12 370 875		\$1,339,567		149.017.03	\$27E,B05	24,727,575		4,727,875	15.75.42	17	8	2	-
ENG.	25,343,233	25,545,230	SONO, CADE		\$461,782		\$621,849	\$179,000	<b>660,3000</b>		\$500 DBD	\$1,689,695	326	<b>6</b> .71	2	_
#44	12.24	412,781	<b>A</b>		100 SE		50.00	12,865	8.7.X		E.	019'914	\$¥.	0.61	£.	•
8	56,858,240	65,050,240	187,181		20,789,23		00 SEC.	27.152	51,121,145		F.197.14	3,758,070	96.6	B :	Z :	•
CRIMOP John Secrice Tention	1 962 740 025	1,902,740,623	250.055.940		100 Sec. 7.20		265,713,573	170251	24.74.576		24.474.5TB	200 200 albo	9 9	2.00		2 4
Total	28,166,945,000	28,150,945,800	8639, 128, 304	8	127,730,0038	8	\$1,060,794,120	\$106,538,064	174,700,921	2	5474 780 021	61,726,034,004	3.77	800	F	Г
							i									
												•				١
				100			Med G Navagae					•	֓֟֝֝֟֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	9	(	۲
		District			3	100	100 m	H. IV. V. V. VIII.			Total or service service	1980 8.1.8 10		1		9
Partitionting	7,865,115,416	7 486 115 418	8156.080.385	E18,225,712	8146.0et;350		138-1,020,283	\$62,827,105	\$247.314.275	\$29.534.484	\$275.048.760	\$700,705,157	470	28.0	8	a
18	378,543,819	376.043.010	\$10,986,400	62,685,462	17,217,143		\$21.916.883	52,665,700	£14,333,254	F1.H3.524	\$16,178,783	\$41,082,540	12.5	P	7	5
**80	3,008,503,596	3,608,503,506	\$62,010,963	522,815,082	688,070,#63		\$192,331,413	\$34,024,826	\$74,592,841	42,041,156	500,573,000	\$27,050,0123	5.36	ğ	2.22	•
66.1	& & & & & & & & & & & & & & & & & & &	0,002,001,101	8114,113,387	27,091,458	\$120,140,40S		\$281,940,943	546,276,302	\$56,794,419	\$11,005,286	\$107,059,705	\$4.98,0TP,0HO	ş	<b>6</b> .70	<u> </u>	•
Q-48471-100	7,000,018,000	7,636,318,320	8400,024,523	550,447,500 444,440	136,747,201		1227,002,381	170,200	124,975,066	66,570,897	530,000,003	\$362,766,762	<b>2</b>	9	9	¥ į
<b>5</b> 8	78 484 200	200 200	70,000,00	2020,020 2021,520	24, 475, 750		27,526,72 27,042,92			2000	50,57,10,60 500,500 Mg	200 OLL 00	R #	966	8 :	- ;
. 2	25 243 233	26,245,235	20.000	163A16	24 M 302		9673.086	27.8.900	Section 1000	274.00	2.00 TAS	St 915.834	25	2.5	2 6	
2	472.783	12.757	11.2	SECTION	11 948		\$7,015	2	8/4	1202	629.5	616.429	ş	2	2	
2	56,850,240	56,650,240	\$1,157,561	\$283,944	61,067,028		(2,848,364	\$361,436	57,191,146	6163,148	81,344,396	54,344,005	A.78	0.40	7	_
200	5,199,162	4.100.162	\$72,978	7. F. F.	24.5		\$116.842	622.174	\$53.190 1	45.780	258,079	500,4024	9.6	266	Ç:	-
COPPOP John Bervior I stratory Taket	28 150 044,000	28 148 946 000	96.95.95	S98.080.502	12 (20 DE)	20,700,000	\$1,226,000,100	\$190,536,064	5474 700 BZ1	\$1,380,590 \$69,168,838	12, 131, 132 1453, 166, 760	F1 960.487 831	200	1 2 2	8	7 2
									-						1	i
							2810					,				- 1
3	•			100 marsh			Difference							AMPRES COST (AMPT)	Ē	ŀ
Taken Calenda	POTOTO N	Charleton		Deficiency Bender	i		7.00		2007	C Deciman	House second and the	1911-1911				4
Perithmeth	P. ABS. 145.438	7.685.116.416		\$13,606,823	\$188 883,256		\$432,806,933	\$62,827,106	SZ778.848.780	818.783.130	CO6 121 800	6791 287 928	40	0	3.88	9
04-1	378,043,816	1043,816 377,643,819	\$13,5E2,500	1967, 2607	22,746	\$2,673,780	010,845,528	\$2,956,799	\$10,176,700	\$1,149,235	\$17,220,019	\$46,057,428	2.0	P.	3	2.13
7-80	3,506,509,500	3,604,903,596		SE 107,813	17,505,517		1228 544 217	634,024,626	853,673,995	16,553,463	\$90,127,488	1262,000,255	6.33	ī	3.60	
7-20	6,632,001,101	0,632,601,101		50.047.330	S120,838,003		1340,021,475	146,278,502	8107,850,705	611,006,339	\$116,926,044	128,128,021	41.4	0.70		
	100 to 100 to 1	500 108 03		1228.23	**************************************		46.23B.319	C236.003	25 R74 R38	SOR PAGE	55.55	21 1 60 2 Car	8 2	9	, i	- +
i ai	TD.465.299	70,485,286		1200,579	M.525.146		85,220,789	2778,905	26,121,542	201,160	\$5,318,772	\$10,616,455	7	97.0	2	-
545	25,243,233	26,243,233		110,041	900'0129		81,184,573	9178,950	\$782,785	F14,207	\$407,083	\$2,181,616	<u>.</u>	6.73	4.	-
	77.77	472,787			20701		010 LIX	427.428 437.428					2		2 :	-
2 2	1.100.50	1.100.182	102,125	37.8	27.52		\$130,632	\$32,174	856.978	191.48	E 120	5223.127	200	300	į	7
CSPFOP Joint Service Tendbary	1,042,740,023	1,992,740,003	628,010,492	\$2,002,734	829,411,416		184,219.327	\$6,170,261	\$6,831,152	\$367,490	\$5,195,622	\$58,888,200	4.23	0.41	0.31	•
Total	28,150,945,000	29,158,845,000	ME38,500,901	\$44,486,453	1887,582,287	_	\$1,478,229,160	\$190,628,984	#533,869,759	\$46,432,785	78,722,173	Man (00) CAC CO	<del>2</del>	0.56	2.04	~
							2011					'				
						֓֟֟֝֟֝֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	Based G Markets					ı	ŧ	America Cont Walter	₹	ı
Territ Cleas	O L T	National Control				_		1111	Nation Design		John David Walker	197 4.1.4.0			D D D D D	8
Residential	7,085,115,410	7,696,115,418	\$207,971,960	\$14,558,016	127,03,1274			\$01,122,105	008,153,800\$	\$18,347,500	\$315,029,390	\$190,848,018		0.62		Ξ
1-18	879,843,819	379,643,810	\$14,641,874	\$1,024,017	\$11,306,936			00L,800,CF	PH7,320,019	\$1,335,330	\$16,865,356	661,704,930		0.70		
790	3,000,303,586	3,608,508,508,590	\$123,933,709	HX-5776_2950	8104,810,596			\$34,624 \$4,624	127,460	\$5,340,643	\$86,456,131	PM00,754.877		100		=
	6,532,801,191 7,626,141,326	7 474 244 200	\$102,002,1	\$10,046,050 \$10 180 601	4196 July 2010	100,100,100 100,100,100	\$407,723,1E8	\$50 / To \$20	\$118,828,044	#13,047,043	C38 180 846	G406 040 424	, d	8	8 9	•
	59 18M 986	500 FEB.053	ES.450.104	1342,067	\$1,769,212			E236,693	156,783	\$225,806	16,402,691	112,000,650		9		Ň
1 4	72,465,780	10,486,789	12.25	127,127	12,081,547			1276.925	\$5,518,772	\$154,544	\$5,873,316	\$12,000,041		<b>S</b>		=
SH3	25,343,233	26,343,233	\$480,128	25,719	5741,447			170,990	\$507,083	100,004	2000,776	52,482,736		E o		•
<b>3</b> 3	472.787	472,787	212	CHART CARS	25,513			2004 CA	20,100	2001				8 6		
	1,196,162	1, 190, 162	106.574	006'08	\$32.256			622,174	121	23,903	20,124	E2423,603		98.2		
CSP/CSF Joint Service Territory	1,902,740,023	1,992,740,023	130,613,220	\$2,142,820	\$53,500,102	- 1	ł	#8,170,251	<b>48,198,522</b>	\$1,415,062	\$7,613,864	\$116,402,762		-50		3
Total	28,150,046,000	28,150,045,000	\$863.202.384	\$47,824,167	\$795,028.788			\$190,538,984	\$574,292,55M	<b>451,060,047</b>	\$625,349,49F	\$2,579,519,9 <del>55</del>		990		œ.

# Columbus Southern Power Company Revenue Class Average Rates (#KMM)

							2886	-		;						
						Г	Billing G Ransonia					,	1	Average Coat (45,117)	- F	
Ravente Class	Forecasted Ideas	450	New EAG	Non-FAG INSTRUM	<b>363</b>	CAC Increase	Total Securities	Tennesterion	Chatcherston	O Branse	Tele Distriction	Total S. L. S. D.	Q-errectalism	Transmission 2	Cathelism	A
Rankfardin	900	7 726 679 800	\$149.150.250		\$208.552.778		E367,709,037	876 200 348	EU2 183 113		6969 489 443	6734 PAG 90A	Ę	100	3	5
Commercial		9.130,659,000	E224,346,300		5246.120.747		E440 A67 D47	572.289.802	2100 005 043		\$160 B65 B43	C41 400 410	3	9		1 1
Industrial	5,747,501,036	5,753,667,900	106,962,821		B148,877,614		ECAM, 1980, 1535		\$46,862,004		144 B62,024	122, 584	Ą	197	3	
Other	54,961,000	54,961,000	B06,0038		\$1,404,210		\$2,304,826		\$3,803,510		83,383,510	45, M. 786	4.10	\$	5.17	5
<b>10</b> 0	22,549,025,190	22,715,116,000	\$475,289,940	3	B99'960'+081	GR.	\$1,074,035,645		623,154,299	R	282,141,230	81,778,FEE,757	2,4	0.80	2,38	7.87
								_								
							Patro O Remarks					•		Average Cost (district)		
Povense Class	Powcasted kWh	EAT 7	Hone F. M.	Non-Chi Incress	373	PAC Increase	Total Generation	Interestation	Ownship	O forcement	Total Classification	Total 6. L. b.o.	Genetados	Transferance C	Partition	B
:	146	Designation	020 020 070	***************************************			***************************************		1	1	***		1	!		
Kankanta	7,725,978,000	00 876 627 A	100 200 AVE		F. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	254 P. Z. 254	20,175,035	47 D.ZUZ, 740	\$200.182.113	10,702,770	243,085,592	TIGHTON TO THE		260	*	
	F, 7.67, 80%, 106%	4 753 A07 A00	106.902.627	41.0 (10.0 Z.7)	2148.277.514	204,000,000 278,6770,486	CONTRACTOR		A PRINCIPAL PRIN	10,101,010	645 SM 234	2017 700	6.12		25	2 5
Office	200,000	96 96	\$620,608	873.710	\$1484.218	2414,700	22,782,235	\$296.429	015,545,510	124	£3,623,63	88,725,300	5	14.0	9	222
Total	l	22,715,146,000	\$470,288,949	\$17,557,318	\$504,038,566	\$147,040,877	\$1,220,632,540	Г	1621,104,290	\$72,001,364	\$500.000.044	\$2,047,121,086	82	0.80	202	8
							2	-								
							Differential					•	r	Transa Cost Mitthfal	1	
Revenue Chaps	Fortcasted MMs	ad better.	No. 7 Ac	Harry A.C. Berryon	<b>5</b>	EAC Increse	Total Generalism	Transmission (	Stringer	D.Incopese	Total Distribution	Total 9.1.4.D	German	Transmission D	Designation	룡
Parelefondina	000 042 866	725.579.000	\$162.547.503	\$4.876.425	S200,823,730	385, 492, 030	2519 739 055	875 202 746	\$143 BRS 542	201, 305, 198	£165 210.351	5000 152 816	17.	20.0	22	6761
Commentale	PO0'690'020'0	9,139,659,000	\$24,407,930	\$7,334,936	\$307,504,306	\$ 100,482,407	<b>8000,119,690</b>	\$72,293,602	\$192,610,186	\$14,736,778	\$207.346.061	8439,700,353	R	091	2.38	8
betraftlel Anter	5,747,501,068	5,753,067,000 54,001,000	878,917,548 8404.918	12, 25, 155 25, 155 25, 155	#175,445,280 E1 AGN 047	251, EZ29, EZ21	4313,782,573 53,732,573	624,386,625 624,495	\$65,000,231 43,849,636	\$4,050,578 aven one	908'920'068	6412,216,708 67,587,938		81	4	114
Total	22,548,128,980	22,715,116,000	\$00,550,704	\$14,639,719	\$15,679,1833	SOUT BY 2,38H	\$1,502,080,641	\$181,192,902	M66,006,044	\$40,318,026	\$656,415,560	52,319,000,112	38	9	2.80	1827
							1)82			:						
							BEEN CIRCUMSTON					. '	17	Ayerage Codt (pit	Î	
Remeate Chass	Forecasted NWS	14 KWA	Non-FAC	Non-FAC Inchese	343	PAC Memory	Total Generation	Incenteten	Obstravilen	D Incomes	Total Distribution	Total G. T. A.D.	General	Transfer D	Salah	F.
	1 44	T TOK WITH THE	BC0 CC4 CB19	2 CC CCC 23	And Alle Cales	Box 240 core	ENC SAN 214	S75 202 748	F100 740 3B4	AND 6360 ACC	0.000 GER 7899	***************************************		8	5	1
Commercial	+06:000 GOOD G	9,180,056,000	251,532,377	57.554.B86	\$408.285.713	6110.083.020	1718.557,597	\$72.290.B02	100,000	222 845,710	\$230,332,679	\$1.081.184.078	583	0.00	2.83	3
Implication)	8,747,501,080	9,759,867,000	962,315,079	\$2,488,452	\$220,477,800	167 346 734	1363,000,049		900,625,908	\$8,441,612	\$59,467,520	\$401,470,404	97.7	0.68	5	9
	000 100 100 000 000 000 000 000 000 000	24 44 240	250 400 FM	442 697 364	2000 2 87 818	20/1/400	CZC//Z1/44	AND COST HE SE	207 377 378	2007	44.044.04U	EMBER ST		Š	2	2
	C. C. Company C. C. Company	CL, I I II I I I I I I I I			مر ام ام	ALL SAME, AND	The law terms of the		Appendig to the lands		ara ca page	de junt ton tane	Ę	8	3	ě

							2005						į			
						ŀ	Rifled & Revenue							Werage Cost (Cla		]
Teriff Clease	Forecasted 1997	14 14 15 E	Pen FAC	Non-FAG Premate	2	FAC homens	Total Generalisa	Transmission.	Distribution	D lectrons	Total Distribution	Total G. T. & D	Generation	Tomermenton Di	O tribution To	Ē
:	196	Destroy	***************************************					1	1							
	22 CS/ ELF /	7 2 2 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	140 012 001		100,214,002		800,001,75DX	175 154 759	CALCON PROPERTY.		626,856,1954	57.23 SE2,146		260		ភ្ន
	4 870 JG7 Bell	4 048 247 574	200 200		AND AND CASE		COLOR PARTICIPA	100'A60'60	010,0,0,0.0 to		G10,070,015			<b>B</b> (		7
	7 867 130 504	7 A67 635 151	275 075 177		100		EM4. 352 153	710 717 017	A177 14A 545		100 CO			3 5		Ę
Q-2684-00	2 227,770,280	2,027,770,200	120,982,727		475,010,320		\$106,913,053	\$10.505.243	S14,880,880		\$14,000,000	\$136,386,165		183		8 6
₹	64.431.896	50,431,080	\$1,577,783		# SEP. #78		SET 250 13	277,800.77	\$6,872,430		45.972.410	810.271.313		123		ļ
z d	40,736,100	40,728,918	#490,656		\$1,000,743		11,590,40f	8 (40,575	\$3,054,450		\$3,054,458	TL 7MARE	3.80	0.37	7.50	7
CAPICIP Joint Service Territory	1,002,748,477	1,992,748,477	624,558,429		181,064,497		486.713.E28	\$5,803,48e	\$7,835,578		\$7,805,678	\$102,463,042		D.44	1	=
Total	22,149,028,160	22,715,116,000	M70.298.969	2	805,000,108	8	\$1,074,388,845	1181,192,902	\$523,104,230	2	BC25.104.230	11,TTB,422,787		980	1	Þ
							2003									
						1	Man a Remons			1		•	ı	Water Condition		Ì
Tariff Class	Personned 1990	er stand	Neo-Pac	Man-FAC Increases	<b>0</b> 12	SAC because	Total Deneration	Treatment	The Arthur Scott	O Decretor	Total Catalogue	Tetal 9, 7, 6.0	Separate S	Transmitten Charle	3	A
;	- # O	Chetribution		1		1										1
	7.713,706,628	7,713,718,411	200,410,011	44,000,000		#58,152,074	#25.73.78 1.13.73.188	175,156,75 15,156,75	550,000,000	\$40,508,194	18 H.	\$549,116,900	86	76.0		8
	4 8 70 A07 A81	ATT THE PLANT	12 000 000	00 100 100 00 000 000	2012 2012	214 may 207		20 217 613	C10,0/0,014	11.70	104,104,104	174,974		8		8 :
	2 547 630 634	7.00.7 20.5	\$160 GTK 127	14 May 174	201 444 105	100 Table 100			200,100	2/2/15/04				9		2
	2 127 770 280	7 627,770,280	727 500 502	54.0	575 O10 328	\$11.245,430		\$15,506,243	S14.801 Rep	44 A46 125	STA WAS DEL	***********				ŧ.
1	96.43 DOC	50,431,086	21,573,735	100,141	11.323.376	1426.041		77.	\$4.9772.410	E404.9/8	027720	A15 A16 PM		18.0		1
i si	40,736,108	40,738,518	200 (CO)45	544,073	E1,000,743	\$27,706	SH 941,740	8148,576	\$4,054,488	5175,500	\$3,210,046	16,321,570		0.37	7.83	8
COPICO Joint Bervice Trainfary	1,042,746,477	1,982,748,477	\$34 EEG 429	-421,673,575	161,064,407	\$7,001,201	١	\$5 ACC 4.58	\$7,626,878	\$2,547.284	\$10,478,842	\$31,101,943	į	\$		1
Total	22,549,028,960	22,715.116,000	\$470,286,680	\$17,567,321	\$604,636,558	1447,920,877	•	£161,162,902	\$402,404,290	\$72.891.386	979 (960 Best	62,017,131,096	ļ	000	1	8
							2									
							Med & Ravense					•		Witness Cost Safe	Ę	Ì
1480	Forecasted Mile	444	1	Non-FRC Intraser	3	PAC Surfaces	Tetal Greensten	Therefore	Set Bullion	O boomer	Tatal Chate Sealess	Total G. T. & D	Cembradon	Tonenteen Obtribution	the Total	ŀ
	<b>06</b> 7	Destribution														
Montherini	7,713,786,628	7,712,746,628	162,201,530	2.6m./s	\$286.416.750	\$86,361,633	\$518,938,084	158,750	E342.201.504	EC1,229,004	\$363,490,568	\$867,687,862	6.73	200		₹
ī	2/2/2/10/100 4	20 44 10 100 A	ALC: ALC: ALC: ALC: ALC: ALC: ALC: ALC:	20 Fresh 674		201 A16 503		216 214 A14	100,100,016 100,100,016	21,103,000 000,000 000,000	305,610,016	144 Mary 1940		9 :		8
1	7.567.839.564	ABC 020, 782, 7	\$174.344.702	196,230,341		580,780,301			\$144,442,500	\$42.747.000	\$167,180,717	1725.217.000		22.0		ţ
GE-184P-D	2,927,770,250	2,927,770,280	\$33,678,628	61.019,356		670,743,978		\$15,506,243	518,700,081	BC0/938	\$19,675,026	\$104,713,900		8		3
₹ ;	20 - 57 - 58 57 - 58 57 - 58 57 - 58 58 58 58 58 58 58 58 58 58 58 58 58 5	20,431,896	51.75 12 11.00 12.	100 TO		67,47		220,772	37,32	\$100,743	27,787,072	F12,336,80g		0.37		4
CHOND later faculty Totaliers	TC - 46T COO -	000,748,477	E11 CHE 254	Cho cota		727 450 CS			SIGATE DES		Ed State Co.			27.0		Ŋ
Total	22,549,026,950	22,549,028,980	5487,857,310	\$14,635,719	ı	186,276,542	Γ	6161,192,902	\$596,095,548	828,016,014	4856.415,5FB	\$2,518,484,118		9.80	242 10.	20
							7967									
							Mind di Roventos					•	ı	Warness Cout fall	1	l
Toriff Class	Forecasted 1999	ed LYAR		Han-PAC house	392	CAG Incresses	Total Generaliza	Transfer	Distriction of the last	D memory	Total Distribution	IOM 9.1.40	George	Tennemics Demonstra	mounts Iou	a
	1 10	Distriction	2000	25. 25. 25.		400 100 000	247.001.4440	AVE 400 780	4449 JOO Edit			7		1		1
WENNESS OF THE PERSON NAMED IN	020,000,000	Mary Care	STEEL STEEL STEEL	Res Act			644 577 pp.	45 Miles (1974)	CAR BIR 200	14 470 044	**************************************	**************************************	•	¥ \$		<b>8</b> 1
	1679.467.061	100 785 001	20 404 258	\$2,506,161		10007	20171073	F10-214.811	26T.196.115	500,000	22.22.30	1212 157 204		3 5		8 =
389	7,567,839,394	7,267,300,504	8170.575.043	16,247,254		542,252 SEE	\$516,204,923	ESB.281,972	\$157,180,707	\$18,270,335	\$176,460,039	BER 204 STA		7.0		ħ
<b>68-4/87</b> 9-D	2,927,770,289	2,527,770,250	134,868,884	\$1,040,057		800, 150,000 100,000	51.86.108.148	\$15,505,243	819,075,038	10 X 10 10 10 10 10 10 10 10 10 10 10 10 10	\$23,469,884	\$226,689,996		0.43		Ę
₹;		50 (S) (S) (S)				CIL MAN	671,280,01 100,000	21/ 002	\$7,787,072	1405,085 1415,1815	H 282.16	812,472,988		ja S		g:
Office Service Territory	40,730,108	1 002 745 477	#13.478.428	585 MAZ		475, CASC, 138	21 18 042 425	00 500 A56	211,005,511	784 005 Ca	\$13.676.tm	174 / 184 K	5.57	) Y O		Ų S
Total	22,540,426,050	22 546 028 950	<b>200</b> 445 628	615,074,791	\$15 T 35 G 500	SETT 242.000	\$1,790,307,488	\$151,192,900	\$500,416,570	THU SERIORS	1,019094	\$2,467,542,401		92	3.00	iþs
		i														

INT-7. Referring to page 4, paragraph 6 of the Application and the statement "Ormet supports large legacy costs": please:

- a. identify all the "large legacy costs ";
- b. provide a description of each cost; and
- c. and the amount of each cost.

**RESPONSE:** a. Please see table below.

- b. Please see table below.
- c. Please see table below.

#### Ormet Corporation Legacy Costs (\$ in thousands)

Below are the Ormet legacy costs which included defined benefit pension, retiree healthcare provided through Voluntary Employee Beneficiary Association ("VEBA") and environmental superfund liability. As of December 31, 2008, Ormet's liability for these costs totaled \$289 million. Cash cost over the next five years is estimated at \$241 million

۸	Λŧ	42/24	
A3	u	12/51	/2008

<u>Pensions</u>

**Under Funded Status** 

\$ 220,841

As Of 12/31/2008

VEBA

Liability

**\$** 64,988

As Of 12/31/2008

**Environmental Liability** 

**CERCLA Site - Hannibal** 

\$ 3,134

Ohio

Prepared by: Tommy Temple, Vice President Alumina and Engineering

-9-

Dated: 4/3/09