

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In Re: Application of Cargill Fertilizer, Inc  
to engage in self-service wheeling of waste  
heat cogenerated power to, from and  
between points within Tampa Electric  
Company's service area.

---

Docket No. 020898-EQ

Filed: October 3, 2003

**REBUTTAL TESTIMONY OF  
ROGER F. FERNANDEZ  
ON BEHALF OF CARGILL FERTILIZER, INC.**

DOCUMENT NUMBER-DATE  
09616 OCT-3 03  
FPSC-COMMISSION CLERK

1 Q. Please state your name, address and occupation.

2 A. My name is Roger Fernandez. My address is 8813 US Highway 41 South,  
3 Riverview, Florida 33569. I am the Utilities Superintendent for Cargill Fertilizer,  
4 Inc.

5 Q. Have you previously filed testimony in this docket?

6 A. Yes. I filed direct testimony on behalf of Cargill on September 3, 2003.

7 Q. What is the nature of this prepared testimony?

8 A. I am filing this testimony to rebut the opinions offered by Mr. Ashburn, Tampa  
9 Electric's Director of Pricing and Financial Analysis.

10 Q. Which of Mr. Ashburn's opinions do you intend to refute?

11 Mr. Ashburn begins his testimony with the superficial and inaccurate conclusion  
12 that Cargill self service wheeling (SSW) has been and will "*continue to be non-*  
13 *cost effective in all but the most wildly unrealistic scenarios.*" I will debunk the  
14 assertion by refuting the key pillars of its foundation which are that: 1) historical  
15 precedent militates against SSW; 2) the environmental and fuel saving benefits of  
16 cogeneration must be disregarded when evaluating SSW; 3) waste heat is not  
17 renewable energy; 4) although Cargill hasn't gamed the system, it possibly can; 5)  
18 Cargill SSW is a ruse to enable Cargill to violate TECo's non compete agreement  
19 with Progress Energy; 6) Cargill participated in the development of TECo's pilot  
20 study procedures and reporting forms and should be bound by it; 7) the RIM and  
21 TRC tests prepared by TECo at Commission staff request comply with  
22 Commission standards. Finally and most importantly, I will conclude with the  
23 fact that during pilot study period, even the defective TECo pilot study, shows

1 that ratepayers benefited over the full term of the study. The study further shows  
2 that customers received a benefit in six out of the eight quarters of the study.

3 Q. What was your overall impression of Mr. Ashburn's testimony?

4 A. In general, even though it was 82 pages long, plus another 50+ in exhibits, it  
5 seemed to be aimed at confusing rather than clarifying and addressing issues.

6 **NO RELEVANT HISTORICAL PRECEDENT**

7 Q. What do you mean by confusing?

8 A. Mr. Ashburn has several pages about the history of SSW applications. He  
9 compares Cargill's present day application to ones filed fifteen or twenty years  
10 ago before he mentions that the law and the rule that is to be used to evaluate  
11 SSW has changed.

12 The changes were significant. Federal law required TECo to open its  
13 transmission system and state law changes required electric utilities to allow SSW  
14 if it wasn't likely to cause rates to go up or hurt reliability. The Commission rule  
15 change established the methodology to be used for evaluating SSW. Mr. Ashburn  
16 acknowledges that his quarterly reports on Cargill's pilot study didn't follow the  
17 methodology until the Commission Staff requested that it be done.

18 Current law and rules require that each application be evaluated on its own  
19 merits. Old cases considered under different facts, different laws and a different  
20 rule have little significance today.

21 Halfway through his testimony, Mr. Ashburn states: "Cargill's self-service  
22 wheeling case is different from those considered by the commission in the past."

1 It made me wonder why it was necessary to recite obsolete history. I concluded  
2 that it was to confuse the issue by diverting attention from the facts of this case.

3 Q. Were any of the cases Mr. Ashburn mentioned in his testimony TECo cases?

4 A. In his deposition, Mr. Ashburn acknowledged that TECo had only presented one  
5 case to the Commission -- the case of Cargill's predecessor, Grace. In that case,  
6 he acknowledged that after Grace's petition was denied, it duplicated TECo's  
7 transmission line by building one of its own. In my opinion, that case had three  
8 bad results. Existing transmission lines were duplicated in contravention of state  
9 policy; TECo and its ratepayers lost the benefit of revenue that would have come  
10 from unbundled transmission payments from Grace; and Grace was required to  
11 make a large unnecessary capital investment to efficiently use its cogeneration  
12 instead of being allowed to pay to use available capacity in a transmission line  
13 partially in public right of way that had already been dedicated to public service  
14 by a public utility.

15 **ENVIRONMENTAL BENEFITS DISREGARDED**

16 Q. Does Mr. Ashburn address the environmental benefits of Cargill's waste heat  
17 cogenerated power?

18 A. Only to dismiss them out of hand under a new TECo theory. According to TECo,  
19 for environmental benefits to count for SSW, they need to be "Incremental" (page  
20 5, line 6), and provide a permanent and consistent net increase in capacity (page  
21 10, lines 4-6).

22 In response to a TECo discovery request concerning Cargill cogeneration,  
23 I conservatively estimated that each year Cargill generates, on average, 744

1 million kwh of electricity from 4 cogeneration units. Two are in Bartow, two are  
2 in Riverview. They have a combined operating factor of about 85 MW. If Cargill  
3 didn't self generate, it would buy this much power from TECo. The power would  
4 come from TECo generators burning coal with an adverse environmental impact  
5 or it would come from generators burning more environmentally friendly fuel at a  
6 much higher price. In this instance, Cargill cogeneration satisfies a primary  
7 statutory goal set for utilities and the Commission:

8 The commission shall adopt appropriate goals for increasing the  
9 efficiency of energy consumption and increasing the development  
10 of cogeneration, specifically including goals designed to increase  
11 the conservation of expensive resources, such as petroleum fuels  
12 ... (Section 366.82(1), Florida Statutes).

13 My company made a large capital investment to achieve these  
14 conservation benefits. We received no incentive besides a lower electric bill. The  
15 capital investment also provided a great and quantifiable environmental benefit,  
16 which Mr. Ashburn acknowledges on page 5 of his testimony. I calculated from  
17 the TECo *Smart Source* green power incentive program publication that Cargill  
18 cogeneration enabled TECo to avoid burning 5.2 million tons of coal a year. Mr.  
19 Ashburn says I miscalculated and that the avoided coal burn should be divided by  
20 a factor of 12 (Ashburn testimony, page 69), i.e., Cargill only enables TECo to  
21 avoid burning 434,000 tons of coal. Because TECo and the environment already  
22 receive this benefit, Mr. Ashburn contends SSW should not be approved because  
23 Cargill hasn't shown that it will provide an additional quantifiable environmental

1 benefit. In other words “what have you done for me lately?” He then concludes at  
2 page 69 that the calculations are meaningless because of the conversion of six  
3 units at Gannon to natural gas. Cargill can no longer claim that its cogeneration  
4 provides an environmental benefit for avoiding coal burn, cogeneration will be  
5 avoiding natural gas burn. He doesn’t mention that the fuel that will now be  
6 avoided costs from two to three times more than coal. Fuel savings will go up if  
7 environmental savings go down. Either way, customers win with Cargill  
8 cogeneration and SSW.

9 Q. Is it true that SSW results in no additional waste heat generation?

10 A. Cargill rejects Ashburn’s notion that cogeneration environmental benefits don’t  
11 count for SSW unless they are incremental, nevertheless, let me discuss the  
12 specifics of our generation. This will show that it overcomes this newly  
13 developed TECo SSW roadblock that appears nowhere in the Commission cost  
14 effectiveness guidelines.

15 A. By definition, all of Cargill’s waste generation is incremental. This is because  
16 sulfuric acid can be made without any power generation taking place (as some do)  
17 or it can be made – as in Cargill’s case - with power generation. The only input  
18 for this incremental generation is capital - Cargill’s capital - to capture the  
19 resource. It necessarily follows that because all SSW comes from waste heat  
20 generation, it is incremental because it optimizes the use of energy. Admittedly,  
21 SSW comes from a portion of existing generation. Even if SSW didn’t provide  
22 anything new, there is no justification for overlooking the benefits of cogeneration  
23 that exists. Nevertheless, in Cargill’s case, the installed cogeneration capacity has

1 increased from 11 MW in 1965 to 41 MW in 1987, to 70 MW in 1999, at its  
2 Riverview plant. Each addition is incremental to prior capacity, and a permanent  
3 capacity increase. Under Mr. Ashburn's theory, the only window of opportunity  
4 to ask for SSW is just before we plan to improve the process, because we can  
5 never get credit for past improvements.

6 Q. Was capacity added during the SSW test to date?

7 A. Our existing generators still have some excess capacity in them. What we have  
8 recently added, and will continue to do as opportunities arise, is add to their  
9 efficiency and utilization rate.

10 When we improve the efficiency of waste heat recovery from our  
11 processes, more MWHs can be produced from the existing generators and those  
12 MWHs are incremental to the amount that would have otherwise been produced.

13 The most recent example of such an increase took place during the  
14 May/June 2001 maintenance overhaul of our #8 Sulfuric acid plant in Tampa. At  
15 that time, the plant was changed from a "push type" sulfuric plant to a "sucker  
16 type." That modification captures most of the heat that comes from compressing  
17 air. This is heat that was previously lost. The overhaul increased steam recovery  
18 producing an increment of 1.5 MW to generation output. This is about 12,000  
19 MWH/year of incremental generation. That incremental increase comes from  
20 Renewable Energy generation, as I will explain below

21 Q. Does it provide incremental energy if you can avoid shutting down a generator?

22 A. Yes. In his deposition Mr. Black explained the importance of improving the  
23 availability of TECo's Bayside units. These units were constructed to settle an

1 environmental lawsuit. Incremental benefits occur when Cargill is able to keep its  
2 system operating optimally. With increasing frequency, we get notice that TECo  
3 is facing an interruption. This often happens when we are both producing and  
4 buying electricity. If the purchased power goes away, we must shut down part of  
5 the operation. Because the entire operation is linked, the shut down of one part  
6 reduces waste heat and results in less power production. We can avoid this  
7 rolling shut down and the corresponding energy wasted in start up operations, if  
8 we can bring in SSW power from the other site. SSW makes the preservation of  
9 this increment of electricity possible. Without SSW, less power is produced. Mr.  
10 Ashburn's is probably unaware of this phenomenon because he fails to address  
11 the impact of avoiding shutdowns and disruptions from threats of interruptions on  
12 our cogeneration operations.

13 In his deposition, Mr. Donahey from TECo stated that interruptions do not  
14 always follow when a notice of impending interruption goes out from TECo.  
15 When Mr. Ashburn opined that a large percentage of our SSW occurred during  
16 TECo's off peak period, he probably didn't check to see if the SSW was in  
17 response to an interruption notice that wasn't followed with an interruption after  
18 Cargill had commenced SSW to avoid disruption.

19 At Cargill, prior to SSW, when there was a notice of impending  
20 interruption, or a high probability of interruption, significant disruptions to our  
21 operation took place to limit damages to the facility. Today we can probably  
22 avoid the disruption with SSW power.



1 Q. What is the impact of shutdowns and re-starts on the efficiency of a generating  
2 unit?

3 A. It is negative. Normally when a unit is starting up it is less efficient. Mr. Black  
4 acknowledged this fact in his deposition. Mr. Ashburn states on page 54, line 19  
5 that “fuel efficiency of Cargill’s plants” is “unaffected” by SSW. The contrary is  
6 true. Our “fuel” is waste heat. When we recover more, efficiency is improved;  
7 when we avoid shutdowns and upsets, the generation efficiency is improved.

8 When we avoid interruptions, we use more process heat. The overall cycle  
9 efficiency of any combined heat and power (CHP) producer - Cargill included -  
10 increases. Once again, SSW results in incremental power.

11 Q. Mr. Ashburn testifies that your pattern of use is mostly off peak when it provides  
12 less benefit to the TECo and its customers.

13 A. Cargill’s basic pattern of use is that we engage in SSW when there is load to serve  
14 at the other location. Contrary to the contrary implication in Mr. Ashburn’s  
15 testimony, Cargill SSW occurred more frequently on peak than a customer with  
16 100% load factor.

17 Q. Please explain.

18 A. Cargill SSW occurred on peak 38% of the time. A 100% load factor customer  
19 consuming one MWH every hour of the week (168 hours) would be on peak 45  
20 hours. This is 26% of the time. In other words, Cargill SSW occurred on peak  
21 40% more than a 100% load factor customer would. I consider Mr. Ashburn’s  
22 criticism of Cargill’s off peak SSW to be a misinterpretation of the facts. I  
23 pointed this out, but every quarterly report continued the misrepresentation.

1 Q. Did you take other actions during the study period that made incremental power  
2 available for TECo that do not show up in the TECo study?

3 A. Yes. We use our Hooker's Prairie Mine to make incremental power available. It  
4 is served from Bartow cogeneration. In October 2002, Riverview generation was  
5 down for maintenance. We shut down our Hookers Prairie Mine during peak  
6 periods. It did not run 41 of 45 peak hours. The power from Bartow cogeneration  
7 that normally served the mine was diverted. 2506 MWH became available to the  
8 system during peak periods from this action. Part of the power went by SSW to  
9 keep Riverview running, the rest went as incremental power to TECo. If we  
10 couldn't have wheeled part of the power to Riverview, it wouldn't have been wise  
11 to shut the mine. The incremental power wouldn't have been available to TECo  
12 at a time when it was suffering power shortages because parts of its system were  
13 down for planned maintenance.

14 Q. Are there other examples of generation cycle improvements during past three  
15 years?

16 A. Yes, we were able to increase process heat when our new Animal Feed  
17 Ingredients plant went in operation. This process uses steam extracted from our  
18 turbo generators. Steam was diverted from electric generation, but the steam cycle  
19 for generation became more efficient.

20 **WASTE HEAT IS RENEWABLE ENERGY**

21 Q. Is power generated by Cargill, and other phosphate companies, "renewable  
22 energy" in the State of Florida?

1 A. Yes, it is. The fuel used is “waste process heat.” Mr. Ashburn says it is not  
2 renewable energy, but the DEP/FPSC joint report on renewables said it is in  
3 January 2003. See Exhibit No. \_\_\_\_ (RFF-2) to my direct testimony.

4 Q. Does TECo also dispute the cost of Renewable Energy in its territory?

5 A. No, it disputes my calculation of the number of tons of coal that Cargill  
6 cogeneration saves for the environment. I testified that Cargill cogeneration  
7 allows TECo to avoid burning 5.2 million tons of coal each year. TECo sets a  
8 value for renewable energy that enables it to avoid burning coal. It charges  
9 customers who are interested in Green Energy \$100/MWH to make electricity  
10 from biomass. (\$5 per 50 kWh block). TECo says Cargill cogeneration did not  
11 save 5.2 million tons of coal during the study period it only saved 433,333 tons or  
12 866,666,000 million pounds per year. It refuses to give any credit for this lesser  
13 amount in spite of the fact that Cargill’s capital investment provided the benefit at  
14 no cost to TECo or its customers. It would charge environmentally concerned  
15 customers \$60 to avoid burning 700 pounds of coal. If my calculation is right this  
16 time, Cargill cogeneration provided *for free* an environmental benefit for which  
17 TECo would charge its green customers \$74 million. ( $866,666,000 / 700 * \$60 =$   
18  $\$74,285,657$ ).

19 **POSSIBILITY THAT CARGILL WILL GAME THE SYSTEM**

20 Q. Does TECo accuse Cargill of “gaming” the system?

21 A. No. On page 35, lines 13-14, Mr. Ashburn states, “Tampa Electric is not alleging  
22 that Cargill engaged in this practice during the pilot program.” He then raises the  
23 specter of future gaming if SSW is permanently approved. The “gaming”

1 innuendo points out the fact that TECo does not understand the nature of Cargill's  
2 SSW. Cargill has surplus self-generated power at both sites. SSW wheeling  
3 provides back up when we need protection --- something has to be down at one of  
4 the sites to create a need for power. This means a maintenance outage, planned or  
5 unplanned, or some other unusual event, to at least part of the cogeneration  
6 facility. To imply that Cargill (or any other sensible operator of a waste heat  
7 cogeneration facility) would purposely shutdown its generation providing no cost  
8 power and pay 110% of TECo's wholesale commodity price plus a transmission  
9 charge to engage in gaming is absurd. A cogenerator won't substitute power  
10 priced at 110% of TECo's wholesale price to get power it can supply to itself for  
11 no more than the cost of transmission. The statement on page 61, lines 11-16  
12 displays the same lack of understanding.

13 **CARGILL SHOULD BE BOUND BY THE STUDY IT HELPED DEVELOP**

14 Q. Did Cargill help design the TECo quarterly reports?

15 A. Mr. Ashburn at page 62 of his testimony says so. Cargill met with TECo many  
16 times. We only had one meeting with Commission Staff during mediation efforts  
17 after we filed for permanent approval. We pressed for changes in the  
18 methodology, but for the most part TECo wouldn't budge. TECo prepared the  
19 original report, with no input from Cargill. It continually refused to incorporate  
20 changes that Cargill felt were appropriate; indeed Cargill was forced to write to  
21 the Commission at the mid term to provide its input, because TECo did not want  
22 to acknowledge it. TECo still refuses to use Cargill's input or comments in its  
23 quarterly reports. In the last report, TECo used a new format with no Cargill

1 input; it also changed the basic way to calculate the fuel credit over Cargill's  
2 objections. The net result is that the quarterly reports are, in my opinion,  
3 misleading, inaccurate and incomplete. They fail to recognize the value of  
4 Cargill's renewable energy; they mask the fact that the general body of ratepayers  
5 benefited from the pilot; and they do not include benefits from the market value of  
6 the TECo generating capacity that was freed up for wholesale sale by Cargill's  
7 SSW.

8 **THE POTENTIAL SCHEME TO VIOLATE TECO'S NON-**  
9 **COMPETE AGREEMENT WITH PROGRESS ENERGY**

10 Q. What about the "potential" of territory infringement?

11 A. This is a ridiculous "new" concern raised to challenge SSW. TECo expressed no  
12 such concern when Cargill constructed a transmission line from its Bartow  
13 cogeneration to our South Fort Meade location in the Florida Progress service  
14 area. Engineers from both TECo and FPC approved the Cargill single line  
15 drawing initially and neither utility has heretofore complained during 3 years of  
16 SSW.

17 Cargill's cogenerated power flows on Cargill's electric lines. The lines  
18 were specifically designed for that purpose, and reviewed by both Progress  
19 Energy and TECo; and have operated nearly flawlessly during the better part of 4  
20 years. SSW has nothing to do with where Cargill uses its own cogenerated power  
21 on its own electric lines. If a real technical issue were to be present, it can and  
22 should be properly addressed by the electrical engineers of the affected companies

1 (as was done during the original installation). The installations and protective  
2 relays have been the same whether SSW is available or not.

3 Q. In contrast, has TECo itself had any problems in their operation of its grid?

4 A. Yes, its inadvertent action was once very costly to Cargill. I do not know how  
5 often this happens with other cogenerators, or in the rest of the TECo system.  
6 Our area near Riverview was once isolated by TECo circuit breakers. Our  
7 generators began to serve a portion of TECo's retail load around our immediate  
8 vicinity in the Riverview plant. The result was that since the retail load was  
9 "inadvertently" isolated to us, it dragged our generators down (fortunately, our  
10 protective relays activated and tripped our generators). Both Cargill and the retail  
11 firm customers were shutdown due to TECo operational failure.

#### 12 **COST EFFECTIVENESS MANUAL TESTS**

13 Q. Do you dispute the RIM and TRC tests attached to Mr. Ashburn's testimony?

14 A. Yes, for reasons Mr. Kordecki explained in detail in his study. In both of Mr.  
15 Ashburn's tests, the benefits are within a few points of exceeding the costs. SSW  
16 would pass with a few small changes:

- 17 1. If the \$27,000 cost incurred three years ago to set up the program  
18 is removed SSW passes. This nonrecurring cost should not be  
19 included. Cargill would agree to pay it if that is all that stands in  
20 the way of SSW.
- 21 2. For all other conservation program analyses, Mr. Bryant does not  
22 consider lost environmental, capacity, or conservation revenues

1                   when evaluating the program. If these lost revenues are removed  
2                   from the SSW, it passes.

3                   3.     Mr. Bryant would include Cargill's savings as a program benefit if  
4                   it were a standard conservation program. Mr. Ashburn does not in  
5                   his special study.

6                   4.     There are a number of other more technical corrections that should  
7                   be made. Mr. Kordecki will explain these.

8                   Mr. Bryant has been producing TECo's conservation analyses using the  
9                   Manual for 12 years. He wasn't asked to prepare the Cargill test. Mr. Ashburn,  
10                  the Director of Pricing, was asked to perform the Cargill test. It is the only test he  
11                  has ever done. He says Cargill SSW calls for a special methodology, hmm.

12    Q.     What was the most striking aspect of Mr. Ashburn's cost effectiveness tests?

13    A.     The inclusion of lost revenues from base rates. According to Mr. Barringer's  
14                  deposition, TECo hasn't had a base rate case for 10 years. According to Mr.  
15                  Barringer, none is planned. Until there is a base rate case, the general body of  
16                  wholesale and retail ratepayers are not affected. There was no loss to customers  
17                  during the test period primarily because TECo keeps the money. There will be no  
18                  loss until there is a rate case. If SSW creates meaningful lost revenue to TECo,  
19                  the SSW retail tariff can be adjusted at that time.

20    Q.     Why do you believe that SSW will be more valuable in the future?

21    A.     Natural gas prices are rising and TECo has changed its generation mix to burn  
22                  more natural gas. Mr. Kordecki has addressed this in detail. Mr. Ashburn says  
23                  that interruptible rates are not cost effective, but this is based on past evaluations

1 that didn't use \$5-\$6/MMBTU burner tipped priced gas. As an interruptible  
2 standby customer, even while engaging in SSW, we provide a benefit to the  
3 system by giving "under frequency protection" to the area of the grid where our  
4 facilities are located.

5 Q. What do you mean by "under frequency protection"?

6 A. It means that at the place of interconnection with TECo, TECo has a relay that can  
7 be set to automatically trip before any other connection to the grid trips. This puts  
8 Cargill in the first line of protection for the TECo electrical system. This  
9 substantially improves system reliability, which is one of the factors the  
10 Commission must consider in SSW cases.

11 Q. Mr. Ashburn said his study showed that the impact on the general body of  
12 ratepayers was "material" do you agree?

13 A. "Material" is an undefined term. We therefore looked to several sources for an  
14 answer. Mr. Ashburn said \$6,000 is material because the Commission disallowed  
15 the expense in a rate case. His definition is that any time the Commission  
16 determines that an expense is not prudent, or is not an ordinary and necessary  
17 expense to provide electric service, the sum involved becomes material. Carry  
18 that thinking to its logical conclusion and you would have to agree that the  
19 disallowance of country club dues for TECo officers in a rate case would be a  
20 material expense to ratepayers. Although Mr. Ashburn is in charge of financial  
21 analysis, this reasoning is a stretch.

22 We asked Mr. Barringer in deposition if \$1,000,000 in attorney fees  
23 would be a material expense that would be required to be reported on TECo's



1 financial statement. He said no. He gave other examples of sums ranging up to  
2 \$55 million on the TECo Energy Financial Statement that wouldn't be considered  
3 material. I came to the conclusion that for TECo financial reporting, the revenue  
4 shortfall shown in the pilot study report would not be material.

5 The real issue is whether the sum would have a material impact on the  
6 general body of ratepayers. To find this answer we deposed TECo's Ms. Jordan.  
7 She was asked to examine the fuel filing she just made and make some  
8 calculations. Here is what she found: she was asked to add the hypothetical sum  
9 of \$25,000 to TECo's total forecasted fuel costs for 2004 to see how much this  
10 would increase the kwh charge. It would increase it by \$ .00001234. As a large  
11 ratepayer, I wouldn't consider that material. It would cost the average residential  
12 customer less than a penny a month after the next general rate case.

13 Q. TECo revised its quarterly reports on August 8<sup>th</sup> after it was determined that this  
14 contest would go forward. Did anything in particular strike you?

15 A. Yes. After the first year when the alleged revenue shortfall was greater, TECo  
16 said the amount was "insignificant." I presumed this to mean less than "material"  
17 In the final report, when the impact was even less, the word insignificant was  
18 removed.

19 Q. Does this conclude your testimony?

20 A. Yes.

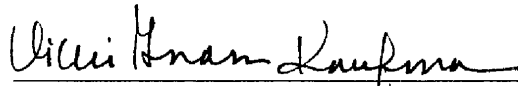
## CERTIFICATE OF SERVICE

I HERBY CERTIFY that a true and correct copy of the foregoing Rebuttal Testimony of Roger F. Fernandez on Behalf of Cargill Fertilizer, Inc. has been furnished by (\*) hand delivery or U.S. Mail on this 3rd day of October, 2003 to the following:

(\*) Rosanne Gervasi  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399

(\*) James D. Beasley  
Ausley & McMullen  
227 South Calhoun Street  
Post Office Box 391  
Tallahassee, Florida 32302

Harry W. Long, Jr.  
Tampa Electric Company  
Post Office Box 111  
Tampa, Florida 33601



---

John W. McWhirter, Jr.  
McWhirter Reeves McGlothlin  
Davidson Kaufman & Arnold, P.A.  
400 North Tampa Street, Suite 2450  
Tampa, Florida 33601-3350  
Telephone: (813) 224 0866  
Facsimile: (813) 221 1854

Vicki Gordon Kaufman  
McWhirter Reeves McGlothlin  
Davidson Kaufman & Arnold, P.A.  
117 South Gadsden Street  
Tallahassee, Florida 32301  
Telephone: (850) 222-2525  
Facsimile: (850) 222-5606

Attorneys for Cargill Fertilizer, Inc.