

1 HOUSE OF REPRESENTATIVES  
2 COMMONWEALTH OF PENNSYLVANIA

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4 Act 129  
5 Energy Efficiency & Conservation Provisions

6 \* \* \* \*

7 House Consumer Affairs Committee

8 Main Capitol Building  
9 Majority Caucus Room 140  
10 Harrisburg, Pennsylvania

11 Tuesday, September 1, 2015 - 1:03 p.m.

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13  
14 COMMITTEE MEMBERS PRESENT:

15 Honorable Robert Godshall, Majority Chairman  
16 Honorable Sheryl M. DeLozier  
17 Honorable Eli Evankovich  
18 Honorable Warren Kampf  
19 Honorable Thomas H. Killion  
20 Honorable Kurt A. Masser  
21 Honorable Tina Pickett  
22 Honorable Thomas Quigley  
23 Honorable Todd Stephens  
24 Honorable Peter J. Daley, Minority Chairman  
25 Honorable Tina Davis  
Honorable Mark A. Longietti  
Honorable Peter Schweyer

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STAFF MEMBERS PRESENT:

Amanda Rumsey, Esquire, Counsel  
Majority Executive Director

Jane Hugendubler  
Majority Legislative Administrative Assistant

Stephen Baldwin  
Majority Research Analyst

Ned Smith  
Majority Legislative Aide

Elizabeth Rosentel  
Minority Executive Director

Jerry Livingston  
Minority Research Analyst

Brett Biggica  
Minority Research Analyst

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1 MAJORITY CHAIRMAN GODSHALL: Good  
2 afternoon. The hour of 1 o'clock having arrived,  
3 I'd like to call the meeting to order. This  
4 hearing is on the energy and efficiency and  
5 conservation provisions of Act 129 of 2008.

6 Today's hearing will examine how the  
7 energy and conservation provisions programs and  
8 their implementations are being enacted, and their  
9 implementation having evolved since 2008, and the  
10 impact of these programs on utility rates.

11 We'll get started by having the members  
12 introduce themselves. We'll start over to my left.

13 REPRESENTATIVE MASSER: Representative  
14 Kurt Masser, 107th District.

15 MAJORITY CHAIRMAN GODSHALL: Bob  
16 Godshall of Montgomery County.

17 FEMALE VOICE: Hold on. You skipped.

18 MINORITY CHAIRMAN DALEY: You skipped  
19 one.

20 REPRESENTATIVE EVANKOVICH: Eli  
21 Evankovich, representing the best parts of  
22 Westmoreland and Allegheny counties.

23 MAJORITY CHAIRMAN GODSHALL: Okay, we'll  
24 try again. Bob Godshall from Montgomery County.

25 MINORITY CHAIRMAN DALEY: Peter Daley,

1 representing the best part of western Pennsylvania,  
2 Washington and Fayette County.

3 REPRESENTATIVE SCHWEYER: Peter  
4 Schweyer, Lehigh County.

5 REPRESENTATIVE LONGIETTI: Good  
6 afternoon. Mark Longietti. I represent a portion  
7 of Mercer County.

8 REPRESENTATIVE KILLION: Tom Killion,  
9 Delaware County.

10 REPRESENTATIVE DAVIS: Tina Davis, Bucks  
11 County.

12 REPRESENTATIVE QUIGLEY: Representative  
13 Tom Quigley from Montgomery County.

14 MAJORITY CHAIRMAN GODSHALL:  
15 Representative Daley, do you have any remarks to  
16 start with?

17 MINORITY CHAIRMAN DALEY: No, Mr.  
18 Chairman.

19 MAJORITY CHAIRMAN GODSHALL: Then we're  
20 going to start right in with the hearing. The  
21 first testifier is the Energy Association of  
22 Pennsylvania, Terry Fitzpatrick, President and CEO.

23 MR. FITZGERALD: Good afternoon,  
24 Chairman Godshall, Chairman Daley, members of the  
25 Consumer Affairs Committee.

1 I am Terry Fitzpatrick, President and  
2 CEO of the Energy Association of Pennsylvania, a  
3 trade association which is comprised of the  
4 electric and natural gas utilities operating in  
5 Pennsylvania. With me here today is Donna Clark,  
6 who is the Vice President and General Counsel of  
7 the association. She's involved in almost a daily  
8 basis I think with Act 129 questions with our  
9 members and with the PUC.

10 I'm here today on behalf of the  
11 association's electric utility members, which are  
12 also known as electric distribution companies. And  
13 again, thank you for the chance to be here and to  
14 talk about this issue.

15 The purpose of the hearing is to review  
16 the energy efficiency and peak demand reduction  
17 mandates contained in Act 129 of 2008. Among other  
18 things, this law required electric utilities with  
19 more than 100,000 customers to implement programs  
20 to reduce energy consumption by 1 percent by May  
21 2011, and 3 percent May 2013. It also requires  
22 reduction in peak demand of 4.5 percent in the 100  
23 hours of highest usage by May 2013.

24 In the event EDCs did not persuade  
25 enough of their customers to participate in the

1 programs in order to meet these targets, the law  
2 provided that they were strictly liable for  
3 penalties ranging from \$1 million to \$20 million  
4 regardless of fault, with the exception of one EDC  
5 that did not meet the interim 1 percent consumption  
6 reduction target, EDCs satisfied these  
7 requirements.

8           Following the completion of the Phase 1  
9 requirements, which were set out in the law itself,  
10 Act 129 directed the PUC to evaluate the costs and  
11 benefits of the program and to direct incremental  
12 additional reductions if the programs were  
13 cost-effective. The PUC conducted this analysis  
14 and ordered additional consumption reduction  
15 targets in Phase 2 covering the years 2013 to 2016.  
16 The EDCs are on track to meet the mandated targets  
17 established for Phase 2.

18           And, after conducting a second set of  
19 market potential studies just this past year, the  
20 PUC established additional reduction targets for a  
21 Phase 3, which will commence on June 1, 2016, and  
22 run through May 31st, 2021. With regard to peak  
23 demand reduction requirements, the Commission  
24 concluded that the design required in Phase 1 was  
25 not cost-effective, so it did not order additional

1 requirements in Phase 2. However, following an  
2 independent study in 2014, the PUC proposed  
3 additional requirements for Phase 3 based upon a  
4 finding that additional reductions can be designed  
5 to be cost-effective.

6 Act 129 allows electric utilities to  
7 recover only the cost of implementing energy  
8 efficiency and peak demand reduction requirements,  
9 and caps the cost of the combined programs at  
10 2 percent of the utility's total annual revenues as  
11 of December 31st, 2006. The law specifically  
12 precludes utilities from recovering the revenue  
13 that they lose due to customer usage reductions,  
14 except through a base rate case where rates may be  
15 set on a going-forward basis to reflect the lower  
16 usage levels.

17 Electric utilities spent close to  
18 \$250 million last year alone on their Act 129  
19 energy efficiency and conservation programs, an  
20 amount that is ultimately borne by all ratepayers,  
21 and it does not include the cost of paying the  
22 statewide evaluator hired by the PUC, or the cost  
23 of other utility-run conservation programs such as  
24 the Low-Income Usage Reduction Program. This  
25 number represents the 5th largest statewide



1 spending on such programs in the nation.

2 In order to understand Act 129, it's  
3 really necessary to understand the background  
4 against which it was adopted. Things were very  
5 different in 2008 than they are as we see here in  
6 2015. At the time it was passed, it appeared that  
7 the electricity of customers might increase  
8 significantly 50 percent or more when caps on the  
9 supply charges of electric utilities expired in  
10 most of Pennsylvania in 2010 to 2011. This had  
11 already occurred a few years earlier in Maryland,  
12 Delaware, and in the service territory of a small  
13 Pennsylvania utility resulting in rate shock and a  
14 vigorous policy debate about the causes of the  
15 problem and possible solutions.

16 I will say I remember that very well. I  
17 was on the PUC at the time, and there was a lot of  
18 tension surrounding the expiration of the rate caps  
19 and what to do about it.

20 The General Assembly adopted Act 129 as  
21 a response to the expected increase in customer  
22 bills. However, these expected steep increases  
23 generally did not occur. In fact, some customers  
24 even saw their bills decrease when the caps came  
25 off due to a drop in wholesale electricity prices

1 at the beginning of the recession.

2 Since that time, the emergence of  
3 natural gas production from the Marcellus Shale has  
4 resulted in lower power prices. Wholesale  
5 electricity prices tend to follow natural gas  
6 prices because gas is increasingly used to generate  
7 electricity than was envisioned when Act 129 was  
8 passed. So, we have very different circumstances  
9 now than was envisioned when the act was originally  
10 passed.

11 With this background in mind, the Energy  
12 Association suggests three changes to the  
13 requirements of Act 129. First, we suggest that  
14 the statute should be amended to change the  
15 punitive, inflexible provisions that require large  
16 penalties if targets are not met without regard to  
17 consideration of the underlying circumstances and  
18 the degree of fault by the utility. This could be  
19 accomplished by changing -- very simply changing a  
20 shall to a may in the law.

21 We note that no other state establishes  
22 standards for energy efficiency and relies on  
23 mandatory penalties if a target is missed by even  
24 one kilowatt hour. In fact, the number of other  
25 states provide positive incentives when a utility

1 meets or exceeds the reduction required.

2 Second, Act 129 should be amended to  
3 allow utilities to recover the revenue that they  
4 lose as a result of their energy efficiency  
5 programs through a timely transparent mechanism  
6 that is directly tied to the usage actually reduced  
7 through utility efficiency programs. This approach  
8 is preferable to attempting to make lost revenue  
9 determinations as part of a complex, expensive and  
10 time-consuming rate case.

11 The ability of the utilities to recover  
12 the lost revenues in rate cases under Act 129  
13 demonstrates that the legislature understood the  
14 existence of these revenue losses and the negative  
15 impact that they would have on the utility's  
16 ability to fund its operations. Recovering these  
17 losses through a more timely and transparent  
18 mechanism will help to keep utilities financially  
19 whole for executing what is a government mandate.  
20 And they, therefore -- it will effectively assure  
21 that the resources are available to maintain and  
22 improve reliability of the grid.

23 Third, Act 129 should be updated by  
24 reconsidering the baseline for funding the program.  
25 Currently, the act bases the 2 percent cap on

1 implementation costs on each utility's total  
2 revenue for the year 2006, which includes revenue  
3 from distribution and generation supply charges.  
4 Utility revenues were higher in 2006 because caps  
5 on generation charges were still in place, and most  
6 of the electric load was still served by utilities.  
7 In contrast, electric generation suppliers now  
8 supply about two-thirds of the load in the state.

9           Because of these factors, as stated  
10 previously, Pennsylvania has one of the most  
11 expensive energy efficiency programs in the  
12 country. The act should be amended to establish a  
13 more recent year, such as 2013 as the baseline, or  
14 to base cost caps on distribution costs only and  
15 not add the supply charges in there.

16           We also address the Clean Power Plan.  
17 I'll give some comments on that now.

18           In August of this year, the U.S. EPA  
19 released its Clean Power Plan, final regulations  
20 under the Clean Air Act governing carbon dioxide  
21 emissions from existing electric-generating plants.  
22 This plan is intended to reduce carbon dioxide  
23 emissions in the U.S. by 32 percent from 2005  
24 levels by 2030, and a specific emission rate  
25 reduction target of 33 percent has been established

1 for Pennsylvania.

2 States will submit plans to EPA as to  
3 the strategies they will implement to meet their  
4 emission reduction targets, or if they do not  
5 submit plans, EPA will implement a federal plan for  
6 the state.

7 The final rule released last month is  
8 substantially different from the rule EPA proposed  
9 in June of 2014. Over time, there's going to be  
10 additional analysis of the cost impact of these  
11 changes. Some of the changes in the final rule  
12 include moving the starting point for  
13 implementation from 2020 to 2022, establishing a  
14 ramp up to the final standards and providing a  
15 provision for a safety valve for individual power  
16 plants in order to protect reliability of electric  
17 service.

18 The Clean Power Plan provides states  
19 with different options for achieving compliance.  
20 These may include improving the efficiency of coal-  
21 generating plants, joining with other states to  
22 establish a cap and trade program for carbon  
23 monoxide emissions, increasing generation from  
24 renewable sources, increasing energy efficiency  
25 among consumers of electricity and encouraging

1 demand reduction programs.

2 Electric utilities in Pennsylvania are  
3 wires companies. They own and operate distribution  
4 and transmission systems. They do not own power  
5 plants. Accordingly, they're not directly  
6 responsible for compliance with the regulations  
7 governing emissions from power plants, although,  
8 all segments in the electric industry are likely to  
9 be affected by these rules in some way.

10 Additionally, electric utilities will be  
11 affected if Pennsylvania increases mandates for  
12 renewable energy and utility energy efficiency or  
13 demand reduction programs to meet their targets  
14 under the federal plan.

15 With regard to renewable energy,  
16 utilities and electric generation suppliers are  
17 already required to purchase 18 percent of their  
18 supply portfolios from alternative sources by 2021,  
19 including 8 percent from renewable sources. With  
20 regard to energy efficiency or demand reduction,  
21 one of the options Pennsylvania could choose, but  
22 there are other options, but one of the options  
23 could be to increase the requirements that already  
24 exists on electric utilities. And as I've said,  
25 utilities are already subject to significant

1 mandatory requirements under Act 129.

2           At this point, there's significant legal  
3 and political uncertainty hanging over the Clean  
4 Power Plan in general. And in the event this plan  
5 withstands these challenges at the federal level,  
6 there's also uncertainty about how Pennsylvania  
7 will seek to comply with the regulations. At this  
8 point, electric utilities would ask generally that  
9 maintaining and improving the reliability and  
10 affordability of electric service be given the  
11 highest importance in developing these policies.

12           In addition, if Pennsylvania relies on  
13 increased utility energy efficiency requirements as  
14 part of its Clean Power Plan compliance, this  
15 further increases the importance of reforming the  
16 Act 129 program so that it remakes these programs  
17 in a manner that is aligned with the utility  
18 business objectives, as are the programs in many  
19 other states, and provides incentives to exceed the  
20 mandated requirements.

21           Thank you again, Chairman, for the  
22 chance to be here. I'll be happy to answer  
23 questions, along with Mrs. Clark.

24           MAJORITY CHAIRMAN GODSHALL:  
25 Representative Quigley.

1           REPRESENTATIVE QUIGLEY: Thank you, Mr.  
2 Chairman.

3           Thank you for your testimony. Could you  
4 speak to, if you're aware of what other states have  
5 done to address some of the concerns you mentioned  
6 here? Are there other states that are reviewing  
7 their previous legislation and maybe making  
8 adjustments or amendments to how the companies are  
9 impacted by these requirements?

10           MR. FITZPATRICK: I think states have  
11 made various adjustments as they have gone along.  
12 But I think -- You know, the important -- The  
13 important thing from our perspective is, there were  
14 certain things put in our law right at the  
15 beginning that did not follow what other states  
16 did.

17           The Act 129 with regard to the utility  
18 perspective, it's all stick and no carrot. And  
19 really, like I said, that comes from the  
20 background, the time at which this was passed.  
21 There was a real fear that rates were going way up.

22           Frankly, I think the electric industry  
23 was being blamed for that, like something was  
24 wrong. That's why I put in the background about  
25 the fact that prices went way down with the



1 recession, because it was really market forces that  
2 were doing this; plus the fact that we had caps in  
3 place for all those years. But that's really --  
4 That really explains why these penalties are so  
5 heavy and why it's so heavy-handed. And like I  
6 said, other states have not done that.

7 REPRESENTATIVE QUIGLEY: Thank you, Mr.  
8 Chairman.

9 MAJORITY CHAIRMAN GODSHALL:  
10 Representative Longietti.

11 REPRESENTATIVE LONGIETTI: Thank you for  
12 your testimony. Just a couple questions.

13 One of your suggestions, relatively  
14 simple change in the law you indicated, although  
15 significant effect, would be to change from shall  
16 to may. Just so I understand, I'm assuming that is  
17 -- Right now it is, I think you said, a strict  
18 liability; a mandatory financial penalty if the  
19 requirements are not met.

20 Are you saying, then, it should be  
21 discretionary with the PUC, I'm assuming?

22 MR. FITZPATRICK: Yes, that's exactly  
23 right. We would just like the circumstances to be  
24 able to be taken into consideration, frankly as  
25 they are, for other fines that the PUC levies. You

1 just look at everything that happened, and there's  
2 a variety of factors you look at. We just want the  
3 PUC to be able to look at that.

4 REPRESENTATIVE LONGIETTI: And I assume  
5 there probably would be some more language in that  
6 suggestion in terms of what would be the factors  
7 that the PUC would look at in order to stray from a  
8 set dollar amount fine?

9 MR. FITZPATRICK: Representative, there  
10 could be, but frankly, we don't think there  
11 necessarily needs to be. I think it's well  
12 established that the PUC has factors that they look  
13 at in determining a level of a fine. We'd be okay  
14 with that. But, you know, if there's some  
15 discussion of the factors, we could talk about that  
16 as well.

17 REPRESENTATIVE LONGIETTI: Last  
18 question. You indicated in your testimony,  
19 wholesale electricity prices tend to follow natural  
20 gas prices because there's more and more of a  
21 reliance on natural gas and the generation.

22 Are you be able to provide -- shed some  
23 light on why that doesn't seem to be occurring at  
24 the current time? At least, I know in the western  
25 Pennsylvania market, we're seeing electric rates on

1 the rise significantly and projected out even into  
2 the fall, while natural gas prices seem to be  
3 relatively low? Do you have any sense for what's  
4 going on there?

5 MR. FITZPATRICK: Well, they don't --  
6 The prices that you pay at the retail level don't  
7 track exactly what's going on in the market in the  
8 short term. And, frankly, I don't think we would  
9 generally want it to, because those prices can  
10 really move around. Well, as we found out in the  
11 Polar Vortex in 2014, those prices can really move  
12 around very quickly. And if your rate is directly  
13 tied to that wholesale rate, you're going to  
14 experience a lot of volatility, so there's bit of a  
15 lag.

16 Certainly, the utilities when they  
17 purchase electricity for default service, as it's  
18 called, where we sell the supply, those contracts  
19 are laddered over time, so that the retail price is  
20 somewhat tempered or hedged so it's not swinging up  
21 and down exactly as a wholesale market. But before  
22 too long, you know, if wholesale prices are up, it  
23 will tend to exert some influence over the retail  
24 price.

25 REPRESENTATIVE LONGIETTI: It's just

1 something that I noticed and my constituents have  
2 noticed that, typically, during the warm times of  
3 the year, you do see some uptick, but it's been, I  
4 think, over a 60 percent increase from May until  
5 August with the PUC projecting out that instead of  
6 a tailing-off in September as it usually does, that  
7 it's going to continue to rise, so -- A little bit  
8 of a concern there.

9 REPRESENTATIVE LONGIETTI: Okay. Thank  
10 you.

11 MAJORITY CHAIRMAN GODSHALL: I'd like to  
12 ask a question on the implementation of the energy  
13 efficiency program. As you said, you spent close  
14 to 250 million last year alone for the energy  
15 efficiency program, which is now really going into  
16 its 8th year.

17 Do we have any idea what we spent  
18 totally in that period of time, and what offset  
19 there would be from the conservation program to the  
20 average home buyer --

21 MR. FITZPATRICK: I think --

22 MAJORITY CHAIRMAN GODSHALL: -- home  
23 dweller?

24 MR. FITZPATRICK: I think the total cost  
25 of the program that have been borne by all

1 ratepayers is over a billion dollars. I think  
2 about 1.1 billion. The total cost of everything  
3 that's been done under Act 129, which includes a  
4 contribution from the customers themselves, I think  
5 it's probably more like 1.7 billion that's been  
6 spent up to this point.

7 Now, there are studies that have been  
8 done, though, that -- That's the amount that's been  
9 put out for this. But there are some benefits from  
10 it and there have been studies of the cost and  
11 benefits of it. A lot of really technical  
12 analysis; a lot of time goes into evaluating this,  
13 and the studies have shown the amount spent to be  
14 cost-effective. So that's one way to look at it.

15 From the standpoint of individual  
16 customers, I know you're going to hear some  
17 testimony on this from the business community.  
18 There are other ways to look at that because a lot  
19 of people have already put out the money for these  
20 things, and they don't think they should continue  
21 to pay because they feel like they're just paying  
22 and not getting benefits back from the program.

23 And I think, frankly, a lot of folks  
24 too would rather make up their own minds about  
25 where they can best spend their resources and not

1 have somebody else tell them that it's really to  
2 their benefit to give more money for a government  
3 program.

4 MAJORITY CHAIRMAN GODSHALL: Well, if  
5 stiffer requirements coming along in this last tier  
6 here, will that increase also what we're looking at  
7 here as costs, program costs?

8 MR. FITZPATRICK: Yes.

9 MAJORITY CHAIRMAN GODSHALL:  
10 Substantially or --

11 MR. FITZPATRICK: I don't know if we  
12 have a projection. Well, I think, generally, we're  
13 probably going to be spending upwards of \$200  
14 million a year. The cap level under the act, it's  
15 set on one baseline year 2006. That cap level I  
16 think is about 245, \$250 million a year.

17 Now, the companies won't necessarily  
18 spend that much to get the targets. If they meet  
19 the targets, they won't continue to spend that  
20 much. But that's -- That's about what it could be.

21 MAJORITY CHAIRMAN GODSHALL: So we're  
22 looking at -- Ma'am, do you --

23 MRS. CLARK: I was just going to say,  
24 it's very consistent from year to year, so the  
25 companies can spend up to the capped rate. They

1 don't have to spend up to the cap rate to meet the  
2 target, but the 250-million odd number that Mr.  
3 Fitzpatrick mentioned is consistently the number  
4 that's spent year in and year out based on the  
5 statute and the cap as it presently stands.

6 MAJORITY CHAIRMAN GODSHALL: Thank you.  
7 Representative Evankovich.

8 REPRESENTATIVE EVANKOVICH: Thank you,  
9 Mr. Chairman.

10 Very briefly, Mr. Fitzpatrick. Based on  
11 the requirements of Act 129, what do you estimate  
12 the net impact to consumers in the State of  
13 Pennsylvania has been as a result of these  
14 requirements? Have there been -- Have there been  
15 any reliability issues, number 1?

16 And number 2, what do you estimate the  
17 cost? Because all the related costs are being  
18 borne by consumers or by the electrical  
19 distribution companies themselves. Can you help me  
20 understand what that net impact has been over the  
21 life of Act 129?

22 MR. FITZPATRICK: Well, the -- As I  
23 said, there's a lot of analysis that goes into the  
24 cost and benefits. I would answer you this way,  
25 Representative. The amount that's spent we know.

1 It's 250 -- about \$250 million a year; over a  
2 billion since the program was initiated. That you  
3 know.

4 Now, some customers actually participate  
5 in the programs through getting lighting systems,  
6 other benefits, other programs. They make some  
7 contribution, but then some of that cost is offset  
8 by the program. So clearly, those customers  
9 directly benefit in that way.

10 The other customers who aren't  
11 participating get, at best, indirect benefits. And  
12 that's the subject of the technical analysis that  
13 goes on with the statewide evaluator to determine  
14 how those other customers or benefits through  
15 reducing market prices, et cetera.

16 REPRESENTATIVE LONGIETTI: Do those  
17 customers see an increase in their electricity  
18 costs to begin with before they would make the  
19 investments to change their energy efficiency  
20 within their footprint?

21 MR. FITZPATRICK: Well, they do pay for  
22 this program through the bills, yes.

23 REPRESENTATIVE LONGIETTI: So just one  
24 last follow-up.

25 MR. FITZPATRICK: It's not -- Customers



1 usually aren't aware of it because it's included in  
2 the distribution charges. It's not split out in  
3 the bill.

4 REPRESENTATIVE LONGIETTI: In my time in  
5 private industry, I helped manage one of these Act  
6 129 implementation programs, a large manufacturer.  
7 The quick question that I have is that, what do you  
8 say -- do you think there's an inequity exists  
9 between companies that were energy efficient to  
10 begin with? Then Act 29 -- Act 129 comes in, now  
11 they're essentially paying for the programs you say  
12 through their bill and maybe can't, perhaps, get  
13 that money back because they've already installed  
14 the lighting. They've already installed the  
15 variable frequency drives throughout their  
16 facilities.

17 Do you believe that -- Do you believe  
18 that there's an inherent inequity in the program?  
19 Is that something that we should look at possibly  
20 changing in the future as well?

21 MR. FITZPATRICK: You know, I've heard  
22 that and I understand the logic of it. I can't say  
23 I focused on it enough to say whether I think it  
24 has validity or not. I know we're going to hear  
25 from the industrial customers talking about that

1 later.

2 MAJORITY CHAIRMAN GODSHALL: Thank you  
3 very much for your testimony. I appreciate your  
4 comments.

5 MR. FITZPATRICK: Thank you, Chairman.

6 MAJORITY CHAIRMAN GODSHALL: Number 2 on  
7 the agenda is missing at this point due to  
8 transportation problem, so we're going to number 3,  
9 which is the Pennsylvania Chamber of Business and  
10 Industry, Kevin Sunday, Manager, Government  
11 Affairs.

12 MR. SUNDAY: Good afternoon, Chairman  
13 Godshall, Chairman Daley, members of this  
14 committee.

15 My name is Kevin Sunday, Manager of  
16 Government Affairs to the Pennsylvania Chamber of  
17 Business and Industry.

18 The Pennsylvania Chamber is the largest  
19 broad-based business advocacy association in the  
20 Commonwealth. Our members are all of sizes,  
21 crossing all industry sectors throughout the state.  
22 Thank you again for the opportunity to testify on  
23 behalf of our members; some of whom generate  
24 electricity, and some of whom deliver it, and all  
25 of whom use it.

1           The competitive energy costs that we see  
2           in Pennsylvania for commercial and industrial  
3           sectors have helped to make the state more  
4           attractive to new and expanded investment which, in  
5           turn, leads to job creation. As the members of  
6           this committee are aware, Pennsylvania's economy  
7           faces numerous challenges, and we should continue  
8           to pursue policies that play to our strengths,  
9           which, in this case, is a diverse, competitive  
10          energy portfolio that encourages businesses to  
11          invest in Pennsylvania.

12                 Based on the most recent monthly data  
13          available from the federal Energy Information  
14          Administration, average commercial electricity  
15          prices in Pennsylvania were lower than that of 29  
16          other states, and average industrial electricity  
17          prices were lower than that of 33 other states.  
18          But, unfortunately, the private sector has been  
19          forced to expend considerable amounts of capital to  
20          comply with alternative energy and energy  
21          efficiency mandates over the past decade.

22                 The cost of complying with AEPS mandates  
23          have dramatically increased over the past seven  
24          years. Over a five-year period, between 2008 and  
25          2013, total AEPS requirements increased from

1 5.7 percent to 10.2 percent, or slightly less than  
2 double. However, as Table 1 in the testimony shows  
3 that cost of compliance increased from slightly  
4 more than \$1 million to more than \$54 million, the  
5 PA Chamber believes it's reasonable to expect cost  
6 to continue to climb as the alternative energy  
7 mandates increase, and we applaud any efforts by  
8 the Chairman and members of this committee to  
9 inform consumers of the cost of these mandates.

10           Legislation requiring energy efficiency  
11 and curtailment of peak usage has also cost  
12 Pennsylvanians and the regulated utilities heavily.  
13 PA PUC report issued in 2014 identified the total  
14 costs of Act 129 requirements between 2009 and 2013  
15 as more than \$1.7 billion. In 2012, the PA PUC set  
16 new incremental targets for consumption reduction  
17 for each EDC, ranging from 1.6 percent to 2.9  
18 percent. Spending by the utility companies to  
19 comply with these mandates is capped at 2 percent  
20 of their 2006 revenues, as previously discussed.  
21 That amounts to approximately \$245 million a year.

22           It can then be reasonably projected  
23 that over the next three years, utilities will  
24 spend roughly an additional \$735 million to comply  
25 with the new targets, all of which will be borne by

1 ratepayers. And according to a 2014 analysis,  
2 Pennsylvania's energy efficiency requirements  
3 obligate the 5th highest spending for such mandates  
4 in the country.

5 It's important to keep in mind that  
6 while Pennsylvania may have competitive industrial  
7 and commercial electricity costs on a statewide  
8 average basis, individual company's circumstances  
9 vary widely, depending on the nature of the  
10 company's operations, the service territory the  
11 company operates in, the company's ability to  
12 negotiate delivery of electricity from suppliers,  
13 and the timing, frequency and intensity of their  
14 energy use.

15 In short, companies, whether they are  
16 large or small, and whether they are publicly  
17 traded or privately held, having inherent incentive  
18 to reduce energy costs to improve profitability and  
19 competitiveness.

20 Act 129 mandates have also had the  
21 effect of adding tens of thousands of dollars a  
22 month to trade-exposed energy intensive  
23 manufacturers, diverting significant amounts of  
24 capital away from expanding their workforce,  
25 investing in R&D, or generally being competitive on

1 a global basis.

2 The additional fees and surcharges  
3 imposed by utilities on commercial and industrial  
4 customers to satisfy these government mandates can  
5 in many cases appear to function as an additional  
6 tax or fee on energy usage, or an outright transfer  
7 of capital to a business's competitors, in many  
8 cases without direct benefit to the company paying  
9 the surcharges and fees.

10 Proponents of Act 129 will point to the  
11 PUC's Total Resource Cost test that has, to date,  
12 calculated a net-positive economic effect of the  
13 Act 129 compliance plans. However, the TRC test  
14 looks at aggregate economic effects of each  
15 utility's plan and not the individual circumstances  
16 of each commercial and industrial company paying  
17 into the Act 129 programs. There are, in many  
18 cases, winners and losers as a result of these  
19 plans.

20 With that in mind, the Pennsylvania  
21 Chamber is willing to take part in further  
22 discussions surrounding mechanisms that allow  
23 commercial and industrial consumers to opt out of  
24 Act 129 plans, with enough time to allow utilities  
25 to plan for the implications of their exit.

1                   Utilities themselves remain in a  
2 precarious position under the current structure of  
3 Act 129, forced to pay severe financial penalties  
4 or find a way for customers to use less and less of  
5 the utility's core service--providing electricity.  
6 The PA Chamber is willing to support thoughtful,  
7 considerate efforts to realign the penalty  
8 provisions of Act 129, including making penalties  
9 discretionary and adjusting the ceiling and floor  
10 provisions of the penalties.

11                   Further, the chamber is also willing to  
12 support a more incentive-based structure for  
13 utilities, and consumers to achieve energy  
14 efficiency improvements.

15                   In regards to the Clean Power Plan, as  
16 was previously discussed, we saw the final version  
17 released a month ago. The mechanics and structure  
18 of the rule has changed significantly, and not the  
19 least being one of the proposed rules so-called  
20 building blocks for energy efficiency was removed.  
21 EPA recognized extensive legal concerns that a  
22 number of commentators raised regarding the use of  
23 government encouraging reduction and energy  
24 consumption to achieve emission reductions, and  
25 that energy efficiency building block was removed.

1                   However, EPA will allow states to  
2                   implement energy efficiency programs as part of  
3                   their compliance plans, but only projects installed  
4                   after 2012 will generate compliance credits. And  
5                   what that means for us is, any projects that took  
6                   place before 2012, and any costs that was incurred  
7                   by them, which is about \$1.3 billion will not count  
8                   towards Pennsylvania achieving its requirements.

9                   EPA has also provided the option for an  
10                  early incentive program in the form of additional  
11                  compliance credits for states that implement energy  
12                  efficiency measures in low-income communities prior  
13                  to the start of the 2022 compliance deadline.

14                 However, before any legislative  
15                 discussions take place regarding whether to  
16                 implement additional energy efficiency programs to  
17                 comply with the Clean Power Plan, the PA Chamber  
18                 first urges the General Assembly to review the  
19                 deadlines imposed on DEP and the General Assembly  
20                 under Act 175 of 2014. This act provides for  
21                 legislative review of the state's compliance plan  
22                 under prior submittal to EPA, and it would behoove  
23                 all parties involved for the General Assembly to  
24                 ensure that the deadlines in the act reflect the  
25                 new deadlines in the rule.



1                   Further, it is also in every  
2 stakeholder's interest that the Governor's Office  
3 and the General Assembly support efforts to stay  
4 the implementation of these rules until a number of  
5 the legal questions surrounding the rule are  
6 resolved.

7                   Once a compliance plan is submitted to  
8 EPA, EPA is going to either approve it, at which  
9 time it becomes federally enforceable and  
10 vulnerable to third-party litigation; or deny it,  
11 at which point the implementation of the state's  
12 air-quality program, in part, can be taken over by  
13 the federal government perhaps immediately.

14                   In short, before leaders in the  
15 legislative and executive branch lock Pennsylvania  
16 into a compliance strategy, let's first be sure  
17 that the goal proposed by EPA and the path the  
18 state proposes is legally sound.

19                   Thank you for your time, and I look  
20 forward to any questions that you might have.

21                   MAJORITY CHAIRMAN GODSHALL:  
22 Representative Evankovich.

23                   REPRESENTATIVE EVANKOVICH: Thank you,  
24 Mr. Chairman.

25                   Kevin, would you be willing to address

1 the question that I asked the previous testifier  
2 about the inequity in the system as it pertains to  
3 business customers who are using the power but  
4 under Act 129 requirements? So, the example being,  
5 those that were energy efficiency in the first  
6 place are now penalized because all the lying fruit  
7 has been picked.

8 And just one follow-up question, please?

9 MR. SUNDAY: Sure. I think first,  
10 generally, businesses don't need to be told by the  
11 government it's a good idea to save money on  
12 energy. We're under tremendous pressure all the  
13 time to cut costs.

14 But there is an inherent inequity.  
15 There's only so far the cost benefit for doing  
16 upgrades at your facility makes sense. And beyond  
17 that, it's money wasted.

18 But inescapable is the surcharges under  
19 Act 129, the customers have to pay. In many cases,  
20 that money is going to get rerouted back out to  
21 other programs; sometimes even the business's own  
22 competitors.

23 REPRESENTATIVE EVANKOVICH: Just a very  
24 brief follow-up. I believe you mentioned in your  
25 testimony, the estimate is that \$1.7 billion was

1 spent on compliance from 2009 through 2013.

2 Billions in private money are a lot different than  
3 billions in public money.

4 Do you have an estimate as to where that  
5 \$1.7 billion was spent? In other words, where did  
6 these companies spend \$1.7 billion? Who benefitted  
7 from these Act 129 -- these expenditures as a  
8 result of Act 129?

9 MR. SUNDAY: I don't have that  
10 information immediately available. I do know that  
11 PUC publishes reports that sort of summarize the  
12 programs year by year. We can look into that and  
13 get back to you, if you'd like.

14 REPRESENTATIVE EVANKOVICH: In general,  
15 is it going to companies that sell lighting? Are  
16 they going to companies that sell different types  
17 of drives? I mean, where is that money being  
18 spent?

19 MR. SUNDAY: It would be a combination  
20 of the companies themselves that have projects, and  
21 certainly they're going to turn to vendors and  
22 consulting firms who themselves are in the business  
23 of providing those services.

24 MAJORITY CHAIRMAN GODSHALL: I  
25 appreciate, especially the information pertaining

1 to the penalties. The penalties, if you don't  
2 comply at all, is practically the same as if you  
3 comply and miss it by a thumbnail, which doesn't  
4 make sense at all. I'm not sure what we did when  
5 we put that in the act back in '08.

6           Anyway, thank you for -- And we'll be in  
7 touch. Thank you for your information.

8           MR. SUNDAY: Thank you.

9           MAJORITY CHAIRMAN GODSHALL: Next on the  
10 agenda is Gladys Brown, Chairman of the  
11 Pennsylvania Public Utility Commission.

12           COMMISSIONER BROWN: Good afternoon. I  
13 want to thank you, Chairman Godshall, and also  
14 thank you, Chairman Daley, my Brownsville  
15 connection, for giving me the opportunity to come  
16 and testify today about the energy efficiency and  
17 conservation programs under Act 129.

18           I do want to introduce my staff person  
19 that is with me here, Matt Wurst. I was able to  
20 convince him to come over from our Bureau of  
21 Technical and Utility Services. He has a lot of  
22 background on our energy efficiency programs. If  
23 we get into some technical questions, we can turn  
24 that over to him.

25           I've already given you a copy of my

1 testimony, so I know that you have that, and I will  
2 just summarize today for you.

3 So the heart of the discussion is the  
4 concept that promoting increase energy efficiency,  
5 along with the enhanced conservation program,  
6 serves the public interest; not only does increase  
7 energy efficiency help to reduce peak demand, which  
8 can help curb the price spikes and price volatility  
9 accompany these spikes; but also, it helps to  
10 reduce overall consumption as a mechanism to ensure  
11 reliable and affordable electric service for  
12 residents and businesses.

13 Also, these energy efficiency and  
14 conservation efforts provide a number of additional  
15 benefits such as decreasing the stress of our power  
16 grid, lessening the need for additional investments  
17 in power generation and transmission systems, and  
18 helping to reduce carbon emissions.

19 Since the passage of Act 129, the PUC  
20 has focused on developing a multi-phase process to  
21 reduce overall power consumption and peak  
22 consumption by the seven electric distribution  
23 companies that are subject to the requirements.  
24 And I say seven because the statute requires that  
25 it's over a certain percent -- over a certain

1 number in terms of the customers that they serve.  
2 So it's seven of the electric distribution  
3 companies that meets that requirement.

4 The EDCs must submit annual plans to the  
5 PUC which detail how they will meet the reduction  
6 goals. Annual cost for the energy efficiency and  
7 conservation programs are capped; not to exceed  
8 2 percent of the 2006 revenues. The effectiveness  
9 of each plan is subject to a Total Resource Cost  
10 test by the PUC which determines whether the  
11 potential benefits or avoided costs are greater  
12 than the cost of implementing the energy  
13 efficiency, conservation measures.

14 The EDCs can recover costs of  
15 implementing their energy efficiency plans via a  
16 surcharge, which are reviewed and reconciled for  
17 any over or under collection, but they cannot use  
18 the surcharge to recover lost revenue, and I  
19 emphasize that. They must seek commission approval  
20 in a base rate case to address any revenue lose  
21 because of the reduction -- because of reduced  
22 consumption.

23 Under Phase 1 of Act 129, it called for  
24 reduction in total consumption by 3 percent, and a  
25 reduction in peak consumption by 4.5 percent using

1 2010 levels. Collectively, the seven EDCs saved  
2 5.4 million megawatt hours of electricity per year  
3 during Phase 1, and all of the EDCs exceeded their  
4 consumption savings and peak demand reduction  
5 goals.

6 Translated in dollars -- And I think I  
7 heard this question before, so translated in  
8 dollars and cents over the four-year period of  
9 Phase 1, the total cost of implementing energy  
10 efficiency and conservation efforts was  
11 \$1.75 billion. The total avoided cost for  
12 consumers over that same period were calculated at  
13 \$4.2 billion. In other words, consumers saved  
14 \$2.40 for every one dollar that was spent on energy  
15 efficiency and conservation programs during Phase  
16 1.

17 Additional benefits included the  
18 leveraging of conservation service providers by  
19 EDCs to implement various programs and measures in  
20 their plans, and measures in their plans have  
21 resulted in the Commission registering  
22 approximately 140 businesses as CSPs to this date.

23 The carryover of consumption reductions  
24 into wholesale markets is helping to mitigate peak  
25 wholesale energy prices.

1           In addition, low-income customers are  
2 now availed additional efficiency measures above  
3 and beyond existing programs like LIURP.

4           Lower consumption is reducing the  
5 capacity utilization of the distribution,  
6 transmission and generation systems and is,  
7 therefore, helping to avoid additional investments  
8 in these facilities.

9           Last, these measures are providing  
10 associated -- are providing associated emissions  
11 reductions in carbon monoxide, sulfur dioxide,  
12 nitrogen oxide, and fine particulate matter.

13           In Phase 2, because of the success of  
14 Phase 1, the PUC implemented a three-year Phase 2  
15 period, which we are currently in that period,  
16 which ends in 2016 -- June of 2016. Based on the  
17 Commission's studies of potential savings, new  
18 requirements were set for each of the EDCs. These  
19 Phase 2 reduction targets range from 1.6 percent to  
20 2.3 percent based on the potential of each of the  
21 EDCs to further reduce their demand.

22           Because Phase 2 is still underway, we  
23 don't have complete numbers for you for that time  
24 period, but we do know the cost for the first year  
25 was approximately \$324 million, generating an



1 estimated benefit of \$559 million.

2 So, in other words, consumers save \$1.70  
3 for every one dollar that was spent on efficiency  
4 and conservation programs during the first year of  
5 our second phase.

6 The Commission continues to monitor the  
7 progress of each EDC during Phase 2, and the  
8 initial data seems to indicate that the majority of  
9 the savings' targets are being met.

10 In Phase 3, earlier this year, in June  
11 of this year, the Commission issued its final  
12 implementation order for Phase 3 of Act 129,  
13 building upon all the lessons that we learned and  
14 the data collected to date. Phase 3 covers a  
15 five-year period with new targets for each of the  
16 EDCs based on numerous studies by the Commission.  
17 The overall reduction ranges from 2.6 percent to 5  
18 percent, depending on the potential savings in each  
19 EDC territory. The peak demand reduction targets  
20 also varied depending on the potential for each  
21 territory ranging from zero percent to 2 percent.

22 A major focus of Phase 3 is behavioral  
23 programs. Efforts to help residents and businesses  
24 better understand how much power they are using and  
25 then identify ways that they can modify that usage

1 to conserve power and save money.

2 It is important to note that as we move  
3 forward, make many basic steps such as the  
4 installation of energy efficiency light bulbs have  
5 already been occurred. To generate further  
6 significant reductions, we need to explore more  
7 comprehensive efforts, like, combined heat and  
8 power, whole home audits and the installation of  
9 energy efficiency appliances.

10 I know that you had asked -- the  
11 committee had asked if there were any  
12 recommendations that the PUC would have in terms of  
13 making changes to Act 129, and we do have some  
14 recommendations. Actually, you probably heard some  
15 of them from the Energy Association here today.  
16 Based on the Commission's experience with Act 129,  
17 we'd like to share these five recommendations.

18 The first one is dealing with the cap of  
19 the budgets for EEC programs, and because it is  
20 based on 2006 revenues of the EDC, our  
21 recommendation, we believe these budgets should be  
22 allowed to increase based upon the rate of  
23 inflation. I know at the time when we were working  
24 on Act 129 -- I can say we because I was a staff  
25 person at that time in the Senate. We were looking

1 at the more recent numbers and that was 2006.

2 The second recommendation is that the  
3 act currently requires a minimum penalty of  
4 \$1 million for noncompliance, even if an EDC misses  
5 its target by only one megawatt hour. So, the  
6 Commission is recommending language that mandates  
7 only the upper limits of the penalty would be  
8 beneficial. So, if it's only one megawatt hour, we  
9 wouldn't be looking for a 1-million-dollar penalty;  
10 probably giving us more discretion as to what the  
11 appropriate penalty would be.

12 The third is the Total Resource Cost  
13 revenue test. It is -- currently allows for a  
14 15-year period of costs and benefits. But many  
15 resources, such as solar arrays or combined heat  
16 and power facilities actually lasts longer than the  
17 15 years. So, we're recommending that allowing  
18 costs and benefits to be evaluated over the entire  
19 effective life of the system would be more helpful.

20 Our fourth recommendation is dealing  
21 with the review; the time period for review of the  
22 EDC's proposed plan. Currently, that time period  
23 is 120 days. Our recommendation is to make that  
24 recommendation 180 days that would allow us more  
25 time for a more thorough review.

1           And our last one is that the act  
2 requires the filing of annual reports by the  
3 Commission. We believe that in order to allow more  
4 data to be compiled and analyzed in these reports,  
5 it would be more valuable to extend the reporting  
6 period and switching it to every five years instead  
7 of annually.

8           In addition to our recommendations, we  
9 also do want to talk to you about the CCP. As you  
10 know, the Clean Power Plan, the final rules came  
11 out August 3rd of this year. The Environmental  
12 Protection Agency filed these rules after a long  
13 lengthy review of their proposed regulations, in  
14 which the PUC also submitted comments during that  
15 time.

16           The overall goal of the E -- is a  
17 national EGU carbon reduction of 32 percent by the  
18 year 2030. I think you already heard testimony of  
19 that by others that were testifying. And also,  
20 you've already heard that the target for  
21 Pennsylvania is 33 percent by the year 2030.

22           So, we've been closely following the  
23 rule making and also have been following comments,  
24 as I stated before, in the proposed states. But  
25 we've also reached out to DEP and they've reached

1 out to us to discuss the fact that we would like to  
2 be a part of the discussion and making sure that  
3 they address our concerns of reliability and  
4 affordability, which is very important to us at the  
5 Commission. We respect the fact that they will  
6 have the primary role in terms of this plan that  
7 they will be submitting, but we also know that the  
8 General Assembly will be involved in the process as  
9 well.

10 We have already been working with, as I  
11 stated before, DEP, but we're also one of the four  
12 states part of a pilot program with the National  
13 Governor's Association, so we've been working with  
14 that, and also reaching out to PJM to review --  
15 They are reviewing many facets of the plan. So, we  
16 are looking forward to all of that.

17 In terms of any other additional  
18 information, we're reviewing all the 1500 pages. I  
19 know that the General Assembly may have additional  
20 questions for us. But, at this point, we just feel  
21 it's premature to even discuss what the impact  
22 would be on the consumers at this time.

23 In closing, I do want to state that Act  
24 129 has been very successful. We believe it's been  
25 a successful story; helping to advance and evolve

1 Pennsylvania's approach to energy efficiency. The  
2 Commission is proud of what has been accomplished  
3 to date, and we are confident that these efforts  
4 will continue to benefit our consumers and our  
5 state.

6 So, at this time, I am happy to answer  
7 any questions from the committee.

8 MAJORITY CHAIRMAN GODSHALL: Chairman  
9 Daley.

10 MINORITY CHAIRMAN DALEY: Thank you, Mr.  
11 Chairman.

12 I just want to commend you, Chairwoman  
13 Brown, on your new elevation as the chairperson of  
14 the Public Utility Commission.

15 COMMISSIONER BROWN: Thank you.

16 MINORITY CHAIRMAN DALEY: I think you  
17 are the first female to occupy that position as --

18 COMMISSIONER BROWN: I'm not.

19 MINORITY CHAIRMAN DALEY: You're not?

20 COMMISSIONER BROWN: No. Linda  
21 Taliaferro back in 1979 or '80.

22 MINORITY CHAIRMAN DALEY: Oh, you're the  
23 first female from Brownsville.

24 COMMISSIONER BROWN: I am.

25 MINORITY CHAIRMAN DALEY: Again, I don't

1 think Linda Taliaferro was from western  
2 Pennsylvania, but I may be wrong. But,  
3 congratulations, and I'm looking forward to working  
4 with you.

5 COMMISSIONER BROWN: Thank you.

6 MAJORITY CHAIRMAN GODSHALL: I just want  
7 to say that I do look forward to working with the  
8 PUC in the development of what we -- as we go along  
9 here on Act 129. I do appreciate the close working  
10 relationship we've had with the PUC and your  
11 administration.

12 I wanted to ask specifically, I know  
13 it's easy to figure out cost because it's how much  
14 somebody spent. But, at the same time, how do you  
15 figure the benefits, which was part of my question  
16 earlier today? Either the benefits -- The cost is  
17 one thing, and the benefits -- How do you figure  
18 the benefits out?

19 COMMISSIONER BROWN: I'll let Matt  
20 answer that question.

21 MR. WURST: Thanks for the question, Mr.  
22 Chairman. It's a good point. The costs we can  
23 track directly from the revenues that the EDCs  
24 recover via their bills.

25 As far as the savings projections, we

1 use the Total Resource Cost test, which is kind of  
2 the test that the EDCs must show is passed in front  
3 of the Commission before the plans go into effect,  
4 and they are based off of different indices;  
5 whether it be future's market indices for wholesale  
6 energy or natural gas which you can convert to  
7 electricity cost. Some of the costs are really  
8 pretty easily tracked, like avoided cost of  
9 distribution because we know what the EDC's  
10 distribution costs are.

11           Ultimately, there is some speculation  
12 that comes into the TRC test, but it's probably one  
13 of the best ways to try to evaluate a cost-benefit  
14 ratio with the information that you would have when  
15 you're looking at an investment. But, ultimately,  
16 it is based off of some market indices that could  
17 change over time.

18           MAJORITY CHAIRMAN GODSHALL: How much is  
19 subjective in that?

20           COMMISSIONER BROWN: Well, I'd say very  
21 little, but there's always something when you're  
22 looking at the calculations. I think the TRC  
23 requirement is part of the statute that was in Act  
24 129 that we look at, so we're basing it upon what  
25 the statute requires.



1 MAJORITY CHAIRMAN GODSHALL:

2 Representative Evankovich.

3 REPRESENTATIVE EVANKOVICH: Thank you,  
4 Mr. Chairman. I promise I'm done asking questions.

5 Madam Chairwoman, this is a complicated  
6 subject. I'm trying to wrap my head around some of  
7 the terms that were used.

8 You spoke in your testimony in terms of  
9 reductions. Is it fair to say that those true  
10 kilowatt hours, megawatt hour reductions were  
11 customer avoidance megawatt hour reductions, or  
12 were they -- Is that a fair -- Is that a fair  
13 assessment?

14 In other words, is reduction at the  
15 customer level, customers didn't end up purchasing  
16 that power?

17 COMMISSIONER BROWN: Yes.

18 REPRESENTATIVE EVANKOVICH: And, did the  
19 -- We also heard about reductions in terms of  
20 carbon emissions, things like that. Did the  
21 generators see a likely -- a similar drop in power  
22 production, or do they keep their power production  
23 levels the same and sell that power outside of  
24 Pennsylvania consumers?

25 COMMISSIONER BROWN: I'm not sure we can

1 answer that question for you.

2 REPRESENTATIVE EVANKOVICH: My question  
3 on the reductions in terms of cost avoidance, I  
4 think was the term that you had used. There's an  
5 interesting kind of dynamic whenever we're dealing  
6 with peak demand. You can have true-load shifting,  
7 which is one of the reasons why I wanted to hear  
8 from EnerNOC today, in which case, you know, we  
9 asked the -- the EDC isn't distributing the  
10 electricity.

11 But if you have an on-site generator,  
12 you're really just shifting the load. You're not  
13 actually reducing the amount of electricity used.  
14 So, the numbers that we're talking about aren't  
15 really inclusive of that load-shifting number.

16 But, is that -- Is the power savings  
17 predominantly because of the peak demand  
18 curtailment? In other words, a company shuts off a  
19 high energy usage part of their manufacturing  
20 process, or whatever, during peak demand times and,  
21 thereby, preventing every other customer -- that  
22 customer going to wholesale market.

23 COMMISSIONER BROWN: I'm not sure I have  
24 that breakdown for you, but --

25 MR. WURST: I can answer that.

1           The majority of the savings is from 24/7  
2 continuous energy efficiency measures and not peak  
3 demand. In the current phase, it's actually all in  
4 energy efficiency measures.

5           But, looking at the Phase 3, the  
6 Commission has established new targets for  
7 additional peak demand components, but they are a  
8 minority component of the programs.

9           REPRESENTATIVE EVANKOVICH: So the  
10 majority of the reduction -- If I can just  
11 paraphrase what you said. The majority of the  
12 reductions are outside of peak demand curtailment  
13 by consumers?

14          MR. WURST: Yes. And it's an  
15 interesting concept because, when you do 24/7, like  
16 installing efficiency light bulb, essentially, you  
17 still are reducing peak demand, but you're also  
18 reducing energy consumption 24/7.

19          REPRESENTATIVE EVANKOVICH: Okay. Thank  
20 you.

21          MR. WURST: You're welcome.

22          MAJORITY CHAIRMAN GODSHALL: How much  
23 additional of the -- is that -- the new  
24 requirements going to cost over and above what  
25 tier 2 cost?

1 COMMISSIONER BROWN: You mean Phase 3?

2 MAJORITY CHAIRMAN GODSHALL: Phase 3,  
3 yes.

4 COMMISSIONER BROWN: That's information  
5 that -- We don't have those figures for you now.  
6 Even with Phase 2, since we're still in the middle  
7 of it, we were only able to give you the first  
8 year. So that's not information that we would have  
9 at this point.

10 MAJORITY CHAIRMAN GODSHALL: You have no  
11 estimates of --

12 MR. WURST: Well, I can add that there's  
13 a hard ceiling cap on the budget. And so, the way  
14 the Commission designed Phase 3 is that, the budget  
15 cap is still the same so it won't increase the  
16 cost, but now we're reallocating investments back  
17 into peak demand shaving. So it's more of  
18 reallocating investments and not increasing the  
19 overall budget of the plans.

20 COMMISSIONER BROWN: I mean, you heard  
21 testimony before, from the other testifiers, it's  
22 no more than \$250 million a year. That's the cap.  
23 I did hear one of them say that it's been  
24 consistent each year, which is not necessarily the  
25 case. I think I testified to some of the numbers

1 were -- in one year was \$174 million.

2 So, we're keeping the cap in place, but  
3 we can't give you the actual number in terms of  
4 what would be the projected amount that they would  
5 spend each year.

6 MAJORITY CHAIRMAN GODSHALL: How does  
7 that relate to what other states are costing their  
8 industry?

9 COMMISSIONER BROWN: We're not sure. I  
10 mean, we can try to get you that information. I  
11 did not come prepared to give you that information  
12 today.

13 MAJORITY CHAIRMAN GODSHALL: Thank you.  
14 If you do have that, I would appreciate you passing  
15 that forward.

16 COMMISSIONER BROWN: We will do that,  
17 Mr. Chairman.

18 MAJORITY CHAIRMAN GODSHALL: Thank you  
19 very much for your testimony.

20 COMMISSIONER BROWN: Thank you.

21 MAJORITY CHAIRMAN GODSHALL: At this  
22 time we have Greg Geller, Director of Regulatory  
23 and Government Affairs, EnerNOC. We were going to  
24 hold the hearing up waiting for you, but then we  
25 decided to go ahead.

1           MR. GELLER: I certainly appreciate your  
2 flexibility, and my apologies. I had some plane  
3 troubles coming out of Boston. So, thank you for  
4 your flexibility.

5           Good afternoon. And thank you, Chairman  
6 Godshall, Chairman Daley, and members of the  
7 committee and staff for the opportunity to testify  
8 this afternoon. My name is Greg Geller, and I'm a  
9 Director of Regulatory and Government Affairs for  
10 EnerNOC.

11           EnerNOC is a leading provider of energy  
12 and intelligent software, or EIS, to enterprises  
13 and utilities, which enable them to access their  
14 realtime energy data combining dashboard and data  
15 visualization, alerting and reporting to help to  
16 identify, prioritize and implement energy-saving  
17 opportunities.

18           Energy is often one of the largest three  
19 or four cost drivers for businesses, governments  
20 and institutions. It is rarely managed as closely  
21 as other expenses. Historically, end-use customers  
22 have had minimal insight into their energy bill,  
23 and what actions they can pursue to lower their  
24 bill. EIS demystifies energy for end-use  
25 customers, enables them to understand what is

1 driving their energy costs, and provides concrete  
2 recommendations for reducing their bill. This  
3 software makes businesses more competitive, and  
4 government and institutions more cost-efficient,  
5 and we are proud to have saved our customers over  
6 \$1 billion.

7 EnerNOC's EIS solutions for enterprises  
8 include applications that help organizations buy  
9 energy better, manage utility bills, optimize  
10 energy consumption, participate in demand response,  
11 and manage peak demand. EnerNOC has a significant  
12 presence in the Commonwealth of Pennsylvania,  
13 providing EIS to nearly 2,000 customer sites,  
14 including school districts, municipalities, local  
15 businesses and national chains.

16 In fact, one of our customers, North  
17 Penn School District, won a 2014 Governor's award  
18 for environmental excellence. North Penn School  
19 District was recognized by Governor Corbett for  
20 creating an energy management program that combines  
21 operational and behavioral changes, energy  
22 efficiency, demand response and community  
23 engagement.

24 The program launched in 2008, and in  
25 2011, North Penn School District deployed EnerNOC's

1 energy intelligent software to bring new levels of  
2 visibility to its energy management program. Using  
3 EnerNOC software, creating a new culture and  
4 instituting operational changes, the district has  
5 saved \$2.5 million.

6 Combined, these customers have earned  
7 tens of millions -- Combined, Pennsylvania  
8 customers have earned tens of millions of dollars  
9 in payments for their participation in the PJM  
10 demand response program, which compensates  
11 customers for agreeing to reduce their energy  
12 consumption during periods of stress on the  
13 electric grid, including summer heat waves or Polar  
14 Vortex.

15 According to independent third-party  
16 estimates, last year this program saved all  
17 customers across the 13-state PJM footprint  
18 \$11.8 billion. This averages out to several  
19 hundred dollars per household, and totals to  
20 between 1 and \$2 billion in Pennsylvania.

21 Moreover -- Sorry. Skipping ahead  
22 here.

23 EnerNOC EIS solutions for utilities  
24 deliver demand-side resources and program  
25 implementation solutions to utilities, grid



1 operators and energy retailers worldwide, helping  
2 them achieve their demand-side program, resource  
3 adequacy and customer relationship objectives. Our  
4 utility software platform can be deployed to  
5 increase customer engagement, achieve savings  
6 through behavioral energy efficiency, or run demand  
7 response programs. The software focuses on  
8 commercial and industrial customers. And through  
9 the Act 129 programs, we have partnered with  
10 Pennsylvania utilities on demand response and  
11 energy efficiency.

12 EIS is continuing to be on the cutting  
13 edge of technology, and EnerNOC now has  
14 partnerships with SunPower and Tesla, leaders in  
15 the solar and storage fields, respectively. With  
16 EIS's capability to connect to a customer's tariff,  
17 customers can leverage it to understand and realize  
18 the full value of these deployments.

19 Now transitioning to our comments on Act  
20 129. Act 129 has delivered and will continue to  
21 deliver significant value to all Pennsylvania  
22 ratepayers. As of 2014, Act 129 had achieved  
23 \$4.2 billion in savings, and cost just  
24 \$1.8 billion. As others have testified, it also  
25 has created jobs, reduced emissions and stimulated

1 innovation. With a couple of legislative changes,  
2 the General Assembly could strength Act 129,  
3 increase net benefits to repairs, and facilitate  
4 compliance with the Clean Power Plan.

5 First, EnerNOC recommends aligning the  
6 bottom lines of electric distribution companies  
7 with the bottom lines of their customers. To the  
8 extent that Act 129 programs can achieve net  
9 benefits for customers, EDCs should share in that  
10 benefit. Unfortunately, the current construct is  
11 the exact opposite.

12 While EDCs can recover the direct costs  
13 of the Act 129 programs, they are not able to cover  
14 the lost revenue that results from less energy  
15 being used. The less energy that is used, the less  
16 revenue there is for utilities. This can lead to  
17 utilities being unable to recover their fixed  
18 costs.

19 At a minimum, utilities should be  
20 indifferent to energy efficiency and demand  
21 response programs. As of September 2014, more than  
22 half of the states in the United States, including  
23 nearly all of Pennsylvania's neighboring states,  
24 have either electric or gas-decoupling policies.  
25 Decoupling is a rate adjustment mechanism that

1 separates an electric or gas utility's fixed cost  
2 recovery from the amount of electricity or gas it  
3 sells, which reduces the negative impact of less  
4 energy being sold.

5 We'd recommend changes that go beyond  
6 making utilities indifferent, and instead, provide  
7 incentives to utilities to the extent they meet  
8 energy efficiency and demand reduction targets and  
9 save customers money. This is necessary to put  
10 demand-side investments on a level-playing field  
11 with traditional infrastructure where utilities  
12 earn a rate of return.

13 According to the American Council for  
14 Energy Efficient Economy, or ACEEE, about 25 states  
15 currently have or are considering some type of  
16 performance incentive. States with these  
17 incentives see greater investments in demand-side  
18 resources, and therefore, more savings to  
19 customers. We would gladly work with the committee  
20 on designing these incentives so they maximum value  
21 to ratepayers.

22 Second. We'd recommend that Act 129 be  
23 amended to allow utilities to earn a rate of return  
24 on deploying advanced energy analytics technology,  
25 such as software that engages customers in taking

1 control over and reducing their energy use.

2 Currently, the Republican-sponsored energy package  
3 in the U.S. House of Representatives contains such  
4 a provision. If utilities can't earn a return on  
5 this technology, they will be less likely to deploy  
6 it relative to traditional infrastructure  
7 investments.

8 Finally, EnerNOC recommends removing or  
9 increasing the strict cap on energy efficiency and  
10 peak demand reduction spending. This cap is  
11 currently at 2 percent of the EDC's total revenue  
12 as of 2006. And having such a restrictive cap  
13 limits the net benefit to customers, as several  
14 cost-effective programs aren't funded.

15 For instance, according to the statewide  
16 evaluation team, higher demand reduction targets  
17 would have provided benefits well in excess of  
18 costs. However, the 2 percent cap means that lower  
19 targets will be implemented. Of the 24 states that  
20 are implementing energy efficiency resource  
21 standards, only four, including Pennsylvania, cap  
22 spending as a percentage of revenue.

23 The 2 percent cap will also limit a  
24 cost-effective compliance option for the Clean  
25 Power Plan. As the EPA has stated that they

1 anticipate that, quote, due to its low costs and  
2 potential in every state, demand-side EE will be a  
3 significant component of the state plans under the  
4 Clean Power Plan. Recent studies have found that  
5 EE is two to three times cheaper than traditional  
6 power sources.

7           Instead of placing a cap on spending as  
8 a percentage of a utility's annual revenue, we  
9 believe the cap should be the point where programs  
10 no longer deliver net benefits to ratepayers. At a  
11 minimum, EnerNOC recommends the cap of 2 percent of  
12 2006 revenues be increased to 3 percent of 2015.

13           In sum, Act 129 has delivered  
14 substantive benefits to the Commonwealth, and with  
15 some improvements to the statute, those benefits  
16 can be enhanced.

17           This concludes my testimony. Thank you  
18 for your time, and I look forward to your  
19 questions.

20           MAJORITY CHAIRMAN GODSHALL: I'd just  
21 like to say that North Penn School District is a  
22 small school district in Montgomery County of  
23 13,000 students. It happens to be in my district.  
24 So, I'm well familiar with the program that you put  
25 in place in that district.

1 I do know -- well know the substantial  
2 savings that they have succeeded in doing because  
3 of the program. So I want to thank you for that,  
4 because it's also my tax dollars that come in here.

5 Do we have any other -- I don't believe  
6 there's any other questions. I just want to say  
7 thank you in making the effort to come down here.  
8 I know you had trouble with transportation. So  
9 thank you, and we appreciate your testimony, sir,  
10 and your suggestions.

11 MR. GELLER: Thank you.

12 MAJORITY CHAIRMAN GODSHALL: Next  
13 presenter is PennFuture Energy Center, Rob  
14 Altenburg, Director.

15 MR. ALTENBURG: Good afternoon, Chairman  
16 Godshall, Chairman Daley. Thank you very much.

17 I'm very happy to be here to talk about  
18 energy efficiency today. Again, my name is Rob  
19 Altenburg. I'm the director of PennFuture Energy  
20 Center. We're a nonprofit membership-based,  
21 environmental advocacy organization that works to  
22 protect the health and welfare of all  
23 Pennsylvanians as we grow our economy. We  
24 recognize that improving energy efficiency is  
25 absolutely critical to the success of that mission.

1           There's been a lot of speakers today  
2 that have put out a lot of really good information.  
3 I think there's three points here that are  
4 important to remember. The first is, that energy  
5 efficiency is the least expensive energy resource  
6 that's available.

7           A study last year out of Lawrence  
8 Berkeley Laboratory peg the levelized cost of  
9 energy for energy efficiency at about a cent and a  
10 half of kilowatt hour. The next cheapest of  
11 fossil-fuel generation is natural gas combined  
12 cycle, which is pegged at 7 and a half cents a  
13 kilowatt hour; five times more expensive.

14           Saving energy means lower electric bills  
15 for homes, businesses that are more efficient, but  
16 it also means lower wholesale costs as we mitigate  
17 price spikes caused by supply shortages, congestion  
18 and avoided line losses for the transmission of  
19 power. Of course, saving energy also means  
20 cleaner, healthier environment for ourselves and  
21 our children as we avoid polluting our air, water  
22 and land while we conserve natural resources.

23           Now, Phase 1 of Act 129 was a success.  
24 Customers certainly like the program. They're  
25 happy when they see rebates on appliances, lower

1 costs of light bulbs; home energy audits that teach  
2 them how to be more efficient. They're very happy  
3 with that. But when we look at the numbers, that  
4 also tells us that same story of success.

5 All of the participating electric  
6 distribution companies eventually met and exceeded  
7 both their energy efficiency in demand reduction  
8 requirements. And the statewide evaluator, as we  
9 heard Chairman Brown from PUC say, they did so well  
10 returning 2.4 dollars for -- \$2.40 for every dollar  
11 invested. So this was a highly cost-effective  
12 program.

13 Actions under this program also reduced  
14 our carbon pollution by over 3.4 million tons. In  
15 the context of the Clean Power Plan, if we were to  
16 take our Phase 1 performance and do this within the  
17 Clean Power Plan's compliance period, that would be  
18 like getting 6 percent of the way to our mass-based  
19 target with a program that not only pays for  
20 itself, but returns \$800 million in additional  
21 savings -- a year in additional savings. That is a  
22 fantastic program and an excellent opportunity for  
23 meeting our Clean Power Plan goals.

24 Now, we're currently in Phase 2 of the  
25 program where we expect the 2.3 percent reduction



1 in usage saving more than \$3.3 million -- or saving  
2 2.3 million megawatt hours in electricity over the  
3 life of the three-year program. And the EDC's  
4 plans for these programs, again as Chairman Brown  
5 said, we don't have the final data yet, but the  
6 plans they submitted said these programs would save  
7 \$400 million over the cost to implement the  
8 programs. And again, all of our participating  
9 electric distribution companies are well on their  
10 way to meeting those goals.

11 In setting these goals, the Commission  
12 uses a market potential study that the statewide  
13 evaluator releases. Now, for Phase 3 they looked  
14 at the amount of reductions that were  
15 cost-effective and achievable, giving adequate  
16 investment. Those are actually more than double  
17 the Phase 3 targets that ended up being  
18 established. The actual targets are far lower  
19 because of this 2 percent spending cap.

20 As we heard about the -- The Act 129  
21 requires that the cost of the program -- the  
22 benefits in the program exceeds the cost. That's  
23 one of the criteria that the PUC must consider when  
24 setting targets. But Act 129 spending cap means we  
25 can only actually achieve a fraction of those

1 benefits that are actually cost-effective. And  
2 worse yet, because of inflation, it's actually a  
3 declining cap. Right now we're at about 16 percent  
4 below the 2006 baseline in terms of real dollars.  
5 And by the end of Phase 3, we might be as low as 25  
6 percent below our baseline spending.

7 We see that in the targets that are  
8 being set; that in each phase, the targets that are  
9 being set seem to be gradually declining. This is  
10 particularly serious in light of the Clean Power  
11 Plan because, when we draft our state plan, if we  
12 fail to take advantage of the cheapest and most  
13 cost-effective resources available, then we're  
14 going to need to make up that difference someplace  
15 else. Since we're not going to find another  
16 program that's going to pay for itself to the  
17 extent that energy efficiency has, that does mean  
18 that those are going to be more expensive  
19 alternatives; more expensive alternatives going  
20 forward.

21 We also have a few recommendations  
22 regarding the future of Act 129. The main one is  
23 to protect our existing gains. Any action that  
24 lowers the Act 129 budgets or lowers the targets  
25 means another program is going to end up having to

1 do more. So, at a minimum, we should avoid  
2 weakening the program.

3 We should also certainly consider  
4 removing the spending cap. The act already  
5 requires that actions taken are cost-effective  
6 using the very Conservative Total Resource Cost  
7 test. As we heard, we mentioned --

8 Well, we heard a little bit about the  
9 TRC cost -- test mentioned by the PUC, but it's  
10 important to point out that the TRC is focused on  
11 avoided cost of generation. It doesn't consider  
12 health benefits. It doesn't consider welfare  
13 benefits.

14 There's a whole -- quite a number of  
15 benefits beyond that are achieved, but when you  
16 reduce energy efficiency, but there's no mechanism  
17 in the TRC test to consider. So this is a very  
18 conservative test to start with. So having this  
19 bending cap in addition to a very conservative cost  
20 benefit analysis, effectively limits the benefits  
21 that consumers can see.

22 In Act 129, we can also build upon  
23 improving successes. The Act 129 program is  
24 limited to electric distribution companies and  
25 electric utilities, but we see the same issue with

1 natural gas utilities in some cases. We also see  
2 customers who -- I was talking to a customer just  
3 today who had a home energy audit, and because the  
4 consumer had gas for heating and electricity for  
5 hot water and lighting, when any -- any energy  
6 efficiency program that was installed in that house  
7 would only take credit for offsetting the  
8 electricity part of it.

9           So, if that person did better insulation  
10 that will help them in the summertime. Even though  
11 there would be a real gas savings in the  
12 wintertime, there'd be no mechanism in the act to  
13 take credit for that. We have a program that does  
14 save consumers money, it makes sense to consider  
15 extending it to natural gas as well.

16           Also, we can echo the comment that I  
17 think many of the people made today about  
18 rethinking the rate designs that electric  
19 distribution companies are under right now. The  
20 Energy Association referred to themselves as a  
21 wires company. They're in the business of  
22 providing the wires to get the electricity to your  
23 house, but their rates are based on the amount of  
24 energy you use. So they have an incentive for  
25 consumers to waste -- for consumers to waste

1 electricity.

2           Now, electric distribution companies,  
3 they do a great job because -- their consumers tend  
4 to love them, and they certainly deserve to get a  
5 -- you know, make a -- a fair amount for the  
6 service that they're providing. But if you have a  
7 system where their incentives aren't aligned with  
8 the incentives of the consumers, we have negative  
9 effects. I think that was echoed by pretty much  
10 every person testifying today.

11           We would also agree with those  
12 testifiers that suggest performance incentives are,  
13 I think, an optimal solution. Yes, it's  
14 unfortunate that the program is right now, as the  
15 Energy Association put it, all stick and no carrot.

16           Many of the people, particularly at  
17 staff level of EDCs that we work with and talk to,  
18 they see the customers liking these programs. They  
19 are really trying to do a good job. It's  
20 unfortunate that there's not a mechanism for  
21 rewarding companies that meet and exceed their  
22 goals. There's only -- There is only the stick,  
23 the mandatory penalties if they don't. So I think  
24 addressing that would be something we could easily  
25 do.

1           Now, when it comes to the Clean Power  
2 Plan, it's going to come down to a choice for  
3 Pennsylvania. We're going to either craft a state  
4 plan of our own or accept the federal plan. We  
5 certainly support creating an acceptable state-  
6 based plan. We think the flexibility will be a  
7 benefit to Pennsylvania, and that's definitely the  
8 way to go. And, certainly, as energy efficiency is  
9 the most cost-efficient energy resource out there,  
10 we hope it will continue to be a key part of our  
11 plan in the future.

12           Thank you very much.

13           MAJORITY CHAIRMAN GODSHALL: Thank you  
14 very much for your testimony and appreciate you  
15 coming out here with us today.

16           MR. ALTENBURG: Thank you.

17           MAJORITY CHAIRMAN GODSHALL: Thank you.

18           I'd like to announce we have been joined  
19 by Representative Pickett, Representative Delozier  
20 and Representative Stephens since we had the  
21 original introduction.

22           At this point, we have the Industrial  
23 Energy Consumers of Pennsylvania, Mike Messer,  
24 Manager Energy and Regulatory Affairs of Linde,  
25 LLC; accompanied by David Ciarlone, Manager of

1 Global Energy Services of Alcoa. Gentlemen.

2 MR. MESSER: Good afternoon, Chairman  
3 Godshall, Chairman Daley, members of the House  
4 Consumer Affairs Committee.

5 My name is Mike Messer, and I am the  
6 Manager, Energy and Regulatory Affairs for Linde,  
7 LLC; and I'm joined today by David Ciarlone who was  
8 Manager, Global Energy Services for Alcoa, Inc.  
9 Today we represent the industrial energy consumers  
10 of Pennsylvania, which is a trade organization of  
11 18 of very energy-intensive companies with  
12 vocations all across the Commonwealth.

13 We appreciate the opportunity today  
14 highlight our position on Act 129, but also to  
15 request consideration for an amendment to Act 129.  
16 That amendment would be to provide a voluntary  
17 opt-out of the program for large consumers going  
18 forward. For that request, we provided a lot of  
19 detailed documentation in our written testimony.

20 But what I'd like to do for this time is  
21 to go through the slide pack that we attached to  
22 the presentation, because we actually have some  
23 cost examples of Act 129 impacts we'd like to  
24 review at this time. It's also being shown on the  
25 screen over here to the side. Can everybody see

1 the packet?

2           Turning to slide 2, large consumers live  
3 energy efficiency every day. We simply have to  
4 stay competitive to stay in business. When you  
5 take a look at over the last 27 years, the energy  
6 intensity consumption from industrials is down over  
7 45 percent; most of that occurring before programs  
8 like Act 129 were enacted in 2010. So, the large  
9 consumer base is living this every day.

10           We have to -- We're also taking other  
11 steps out there participating directly in the  
12 wholesale market. Some of us are our own  
13 electricity suppliers, et cetera. We're pursuing  
14 any and all avenues to reduce energy consumption  
15 and energy costs.

16           For the voluntary opt-out that we're  
17 talking about, I'll just raise this at a very high  
18 level. What we're talking about is a choice -- a  
19 voluntary choice done before the phase actually  
20 begins, so it's a voluntary choice before the phase  
21 and it's for the entire phase, so there's no in or  
22 out of a particular phase. You make a choice, and  
23 it applies for that entire phase.

24           The reason we went down that path is  
25 because we were attempting to do two things. One



1 is, is to provide the utilities time to plan and  
2 adjust their plans as opt-outs may occur; and 2, to  
3 try to minimize any of the management effort during  
4 the phase by reducing those movements both in and  
5 out of the program.

6 Slide 3, please. To go over some  
7 examples of Act 129 impacts, I'd like to first talk  
8 about what I call major projects. Major projects  
9 would be projects that cost millions to tens of  
10 millions of dollars to implement, and we have shown  
11 them on this bar on the chart here. We've broken  
12 the bar into three components of the project.

13 So down at the very bottom -- And I know  
14 it's very difficult to see on the screen there.  
15 But down at the very bottom is a red little sliver,  
16 and that was an Act 129 grant that will hopefully  
17 be achieved for this project. When we take a look  
18 at the size of that grant in terms of the overall  
19 project cost, it comes in less than 1 percent. So,  
20 simply put, an Act 129 grant is not influencing the  
21 decision to do this project one way or the other.  
22 It's not a motivating factor.

23 The next portion of the bar is a blue  
24 section which represents energy efficiency work  
25 within the project. Here we see that this project

1 had about 20 percent of the cost assigned to energy  
2 efficiency measures. So, even when we apply the  
3 grant to the actual efficiency measures undertaken  
4 in the project, it's still only roughly 5 percent  
5 of that cost. Again, it's not a motivating factor  
6 to implement the project.

7 I'd like to call your attention to the  
8 green portion of the bar. These are the portions  
9 of the project; they're not energy efficiency  
10 related, but yet, they still have to occur to  
11 implement this project. They could be  
12 infrastructure changes, maintenance-control  
13 modifications, et cetera. It's just a host of work  
14 that could fall in that category.

15 So, when you stack it all up, there's  
16 other factors driving this type of a major project.  
17 The Act 129 grant is not recognizing or rewarding  
18 these type of very desirable projects that provide  
19 both a long-term benefit and a long-term commitment  
20 to the Commonwealth.

21 If we could go to slide 4, please. The  
22 other portion of cost associated with what I term  
23 major projects is a timeline effect. If you look  
24 at the red line that's called Act 129 cost impact,  
25 here you see a long time period with monthly Act

1 129 surcharges being incurred, which we believe  
2 will be under Phase 3 in this example and into  
3 Phase 4 of the program. So, every month there's  
4 charges being put onto the consumer.

5 And in this example, for the average  
6 IECPA member, we're talking about charges that  
7 could be approaching \$3.8 million. It's an  
8 approximate figure, but it's a substantial amount  
9 of money. So the question is, why are those  
10 charges being incurred? Why are they not  
11 recoverable?

12 Well, if you go up one line to the blue  
13 line, the project to life cycle, after we've  
14 implemented this major project, which is shown by  
15 the completion there, there's now a period where  
16 this large investment's been made. You're now  
17 operating at an improved energy efficiency level.  
18 There are no additional investments to be made at  
19 this facility for some part in time. So the  
20 facility goes on, it operates. A significant  
21 investment's been made, but it's got no opportunity  
22 to go back and try to recover these Act 129 charges  
23 that are occurring month by month by month.

24 And, in terms of a project to life cycle  
25 when you think of major projects, it is over a very

1 long period of time. You've got probably a  
2 multi-year period upfront where decisions, budgets,  
3 maybe equipment, procurements, et cetera, all  
4 occur. Then you have this period where you're  
5 running at the improved efficiency level before the  
6 next major upgrade has to occur at a particular  
7 facility. So, again, we can change this. We can  
8 make it shorter than 10. You can make it 7. It  
9 can also be longer. It could be 12. But the net  
10 impact is, there's a substantial amount of funds  
11 that are simply unrecoverable after this type of  
12 project is completed.

13 At the very top we tried to show the Act  
14 129 phases across the timeline there. So you can  
15 see it's very easy for a type of project like this  
16 to exceed two or three phases of Act 129 while the  
17 project is actually being implemented or receiving  
18 the benefits of implementation.

19 Slide 5, please. So the other side is  
20 that you don't have a major project; that you're  
21 dealing with more traditional-type project that you  
22 might have. So this slide addresses that scenario.

23 The same typical or average IF customer  
24 over the five years of Phase 3 would see surcharges  
25 coming up and close to \$2 million based on kind of

1 where the current market is right now. So, to try  
2 to recover that surcharge amount, that consumer  
3 needs to implement efficiency projects gaining  
4 3 percent every year across all those years. And,  
5 the simple fact is, there isn't a backlog of  
6 multiple projects to be done on an annual basis to  
7 try to recover that amount of money, especially not  
8 after six years of Phase 1 and 2 have been  
9 implemented. A lot of the easier lower-hanging  
10 fruits already have been plucked off.

11 So, we've got this backlog of projects  
12 issued that must also occur very frequently and  
13 very often, but there's other issues that are  
14 preventing you from recovering the surcharges.  
15 Some of those are, there's caps and administrators.  
16 There's caps being put in place of 500,000-dollar-  
17 a-year grants. There's limits on the number of  
18 projects. There's limits on the amount of a grant,  
19 50 percent, maybe, of the project cost.

20 Utilities are following very  
21 conservative practices for identifying what the  
22 efficiency gain is, and that's happening because  
23 nobody wants to get penalized at the end of this,  
24 so it's very conservative. What happens is, even  
25 though it's conservative, if you outperform that,

1 there's no reservation of funds because other  
2 people have come in and grabbed those funds out, so  
3 there's not a reward for the actual performance of  
4 a project.

5           So, the actual examples that we wanted  
6 to give was that, the major projects, the Act 129  
7 grant can be a very small portion. It's not  
8 influencing the project decision. And on more  
9 traditional-type projects, there's simply not a  
10 backlog of work that's available to do to try to  
11 recover those surcharges that are being incurred.

12           Next slide, please. What we've heard  
13 also and when we talked about the voluntary  
14 opt-out, there's a couple of concerns. I want to  
15 try to address those real quickly at a very high  
16 level.

17           So there was a concern raised about  
18 opt-out would reduce residential and small business  
19 participation under Act 129. Well, that's not  
20 going to occur in this example because we're  
21 talking about different buckets of funds funding  
22 these programs. There is no connection between  
23 large consumers and the small businesses and  
24 residential. So there's not an issue there with  
25 the funding for those groups.

1           There's a concern raised that opt-out  
2           may reduce large consumer energy efficiency. Well,  
3           I think we've shown that, over time, large  
4           consumers are moving actually ahead of these  
5           programs. Again, it's a matter of being  
6           competitive and staying in business to do those  
7           projects.

8           Now, we've also heard that opt-out  
9           allows consumers -- might allow them to collect  
10          grants and leave without paying in the money, and  
11          that was the reason why we put the proposal  
12          together like we did. It's a choice before the  
13          phase for the entire phase. So you're either in or  
14          you're out. There is no ability to try to go in  
15          and go out and get money; then not have to pay for  
16          it. It's a conscious decision made up in front of  
17          the phase.

18          We've heard a concern about the opt-out  
19          will reduce energy in industry jobs in the  
20          Commonwealth. As we've shown, the projects that  
21          large consumers pursue, for the most part, are not  
22          motivated or influenced by Act 129. So, the rate  
23          of projects which we do is not going to change  
24          whether Act 129 is there or is not there. And,  
25          therefore, the relationships and the engineering

1 that we do with our business partners is not going  
2 to change either. That will continue on as it has  
3 in the past.

4 We've heard that the opt-out may reduce  
5 funding for the large consumer market segment.  
6 Again, what our proposal is trying to do is  
7 identify that upfront that those exceed benefit  
8 from the program can remain in the program. The  
9 utility can then right size the program to those  
10 consumers that are seeing benefits from the  
11 program.

12 Finally, the opt-out may allow large  
13 consumers to avoid investment in Pennsylvania.  
14 When you take a look, 13 IECPA members have  
15 invested 2.05 billion -- billion dollars, sorry,  
16 into major projects in the Commonwealth since Act  
17 129 went into effect, and those are not being  
18 rewarded or recognized by Act 129, so there is not  
19 going to be any change in investments as evidenced  
20 by that performance.

21 Slide 7, please. I wanted to show the  
22 United States and the states that currently have a  
23 voluntary opt-out in place for large consumers.  
24 Those states are shown in green. We can see there  
25 are 15 of them across the country. Our request for



1 an amendment to Act 129 would be to make  
2 Pennsylvania the 16th state to join the other  
3 states in green.

4 You can see those states in green,  
5 they're immediately to the west and south of  
6 Pennsylvania, and they also represent more heavily  
7 industrialized states as well. So our request,  
8 again, is to put Pennsylvania in a more competitive  
9 basis, both regionally and globally, and remove  
10 this cost burden that large consumers are currently  
11 seeing.

12 The final thought that I wanted to leave  
13 everybody with is another time sensitivity issue.  
14 The request for an opt-out -- And this is still on  
15 slide 7. There is no more slides. The voluntary  
16 opt-out really needs to be approved probably in the  
17 October slash November 2015 time frame so it gives  
18 sufficient time for the planning of Phase 3 to  
19 continue moving forward. So, there is a  
20 sensitivity issue.

21 We would request that this issue be  
22 considered a high-priority item for that time  
23 frame, so that we do not lose the next five years  
24 in Phase 3 without the ability to address what the  
25 cost impacts are.

1           With that, I would thank you for your  
2 time and consideration. Dave and I would welcome  
3 any questions that you have.

4           MAJORITY CHAIRMAN GODSHALL:  
5 Representative Daley.

6           MINORITY CHAIRMAN DALEY: One real quick  
7 question. I guess the question is, why not make  
8 grants to the larger industrial consumers under Act  
9 129, the EE and C programs bigger so they can make  
10 a real difference?

11           MR. CIARLONE: Mr. Chairman, I guess  
12 there's two challenges with that notion. First of  
13 all, that money -- that program is spending our own  
14 money already. That's money that's taking from  
15 industrials and giving to other industrials. And,  
16 as the Representative mentioned, a lot of that is  
17 us giving payments to subsidize our competitors to  
18 catch up with us.

19           The other challenge of that would be,  
20 for those grants to get big enough to make a  
21 difference; for that red sliver on that one grant  
22 to get big enough to drive a decision for a  
23 project, that's an order of magnitude that is just  
24 beyond the reasonable scope of what you could  
25 collect in an utility-based program.

1           The DOE has programs like that. The  
2 DOE, I'm aware of a program that -- a steel  
3 manufacturer in Ohio used, I think their grant from  
4 DOE was in order of 60 to \$80 million. I just  
5 don't see a Pennsylvania utility company collecting  
6 that kind of money in one of these energy  
7 efficiency conservation programs to have a grant on  
8 that scale, unless the corresponding surcharges  
9 would just become absolutely exorbitant.

10           MINORITY CHAIRMAN DALEY: Well, let me  
11 ask you this question. The little red sliver that  
12 you're talking about is on your graph that shows  
13 how much grants and it's kind of miniscule to the  
14 total amount of funding that is in the whole  
15 process. You said that, fundamentally, it's larger  
16 industrial folks giving money to smaller industrial  
17 folks that will be more competitive with them; is  
18 that correct?

19           MR. CIARLONE: That's not exactly what I  
20 intended to come out. What I --

21           First of all, as Mike pointed out in our  
22 testimony, the customers are all in the same  
23 bucket. So the large industrials are in the same  
24 group as the large industrials. The subsidization  
25 that we are concerned about is, those of us who are

1 first actors; those of us who proactively invested  
2 in energy efficiency; those of us who drove that  
3 curve down on the energy intensity curve, we've  
4 already done our lighting improvements. We've  
5 already done our motor drives. We've already done  
6 the low-cost and no-cost energy efficiency  
7 initiatives.

8 For the most part, we operate energy  
9 efficiency programs all the time. I was amused  
10 when one of the witnesses said that energy is  
11 rarely managed. I mean, I'd like for that person  
12 to come into our office; a large industrial, we  
13 manage energy very intensely every day.

14 The subsidization that we were concerned  
15 about is, the first actor, the industrial that was  
16 proactive and made those investments, instead of  
17 being able to enjoy the competitive advantage that  
18 they created by making that investment of time and  
19 money and effort, they have to pay money in so a  
20 competitor potentially in the same state can now  
21 catch up. We think that our money should go to  
22 other productivity improvements that we can  
23 continue to drive in our businesses. And, we think  
24 that if our competitor wishes to survive in a  
25 globally competitive market, they also need to make

1 energy-efficiency investments that their  
2 shareholders pay for.

3 MINORITY CHAIRMAN DALEY: Yeah, I'm a  
4 social garlist (phonetic) too, and I understand  
5 what you're saying. But at the end of the game, by  
6 helping those -- And I know this is almost  
7 socialistic, and I'm not trying to be a socialist.  
8 I'm a capitalist.

9 MR. CIARLONE: I'm accused of that,  
10 though, but that's okay.

11 MINORITY CHAIRMAN DALEY: At the end of  
12 the day, wouldn't that competitiveness that's being  
13 improved by the small industrial folks, at the end  
14 of the day won't that benefit consumers?

15 MR. CIARLONE: In order to buy into  
16 that, you have to buy into a theory called -- the  
17 people call price suppression. In other words,  
18 there was some talk about how energy efficiency  
19 will drive down -- these programs drive down the  
20 cost of power.

21 You have to break it apart into two  
22 pieces. There's demand response, which is actually  
23 shaving the peak off of a demand on -- at a time of  
24 high demand. For example, during the Polar Vortex  
25 in January of 2014, if there was a way to knock

1 back the demand during those periods of time,  
2 everybody in the Commonwealth, everyone in the PJM  
3 footprint, for that matter, would have had a lower  
4 cost of power because we avoided that high, high  
5 peak cost. So, demand response works. We believe  
6 in demand response. We participate in demand  
7 response.

8 But with respect to energy efficiency,  
9 with respect to the 24/7 kind of reduction in  
10 power, the people that reduce their power see that  
11 benefit. But we don't believe that there's a  
12 significant price suppression response from energy  
13 efficiency.

14 As a matter of fact, this is consistent  
15 with a finding that the PUC had; that they just  
16 didn't see enough of value in price suppression  
17 with respect to energy efficiency that they didn't  
18 think it was worth studying. We make that point in  
19 our written testimony.

20 An example, I think about it as apples.  
21 If I have a need for 10 apples, but I suddenly  
22 figure out a way to make what I'm making with only  
23 eight apples, I achieve a 20 percent reduction of  
24 my use, a 20 percent reduction in my costs. But  
25 because I reduced my apples by 20 percent, the

1 grocery store is not going to reduce its cost of  
2 apples, because the cost of apples is related to  
3 whole other things beyond just what I'm paying for  
4 -- in the transaction I'm making.

5 In the case of Pennsylvania, I think we  
6 show that there may have been like a 1 percent  
7 overall reduction in the power being used with  
8 respect to energy efficiency. There's just so many  
9 factors that go into determining power prices that  
10 we just don't believe there's a significant effect  
11 in price suppression from energy efficiency.

12 MR. MESSER: I'd like to add on one  
13 item, if I could, please.

14 In terms of, the comment was made  
15 earlier about making a decision to invest funds in  
16 the best application that's available. The  
17 wholesale market, the PJM market in this area is  
18 undergoing some changes now. So we take a look at  
19 how you may need to operate in the future. Winter  
20 now, all of a sudden, has become a time for load  
21 reductions much more so than it ever was in the  
22 past.

23 There are things that individual company  
24 may wish to do to take advantage of that. But  
25 those funds that might go to that type of project

1 are being taken and moved over to pay for like Act  
2 129 in that example. So, you're losing control  
3 over essentially, your own destiny.

4 MINORITY CHAIRMAN DALEY: Thank you for  
5 your testimony. Thank you very much, gentlemen.

6 MR. MESSER: Thank you.

7 MINORITY CHAIRMAN DALEY: Chairman  
8 Godshall left the room for a second. I'm going to  
9 introduce our last testifier. It's Rich Selverian.  
10 Rich, I hope I pronounced your name right. I  
11 apologize if I didn't. KEEA Board President and  
12 President, McGrann Associates, presenting on behalf  
13 of Keystone Energy Efficiency Alliance. Then if  
14 you could introduce your guests that will be  
15 sitting with you at the table.

16 MR. SELVERIAN: Thank you, Chairman  
17 Daley, and Chairman Godshall, wherever --

18 MINORITY CHAIRMAN DALEY: He'll be back.

19 MR. SELVERIAN: -- he may have gone. We  
20 appreciate the opportunity to talk to the  
21 committee.

22 My name is, as you said, is Rich  
23 Selverian, and I am President of MaGrann Associates  
24 and also President of the Keystone Energy  
25 Efficiency Alliance, also known as KEEA. I have



1 with us KEEA's policy team, Maureen Mulligan to my  
2 left and Matt Elliot to my right.

3 So, we submitted our full testimony to  
4 you and you have that. I'll run through, sort of  
5 summarizing some of that. And, much of what we'll  
6 say you've heard in a different way, but we  
7 represent a slightly different constituent. So let  
8 me first say that KEEA comes before the House  
9 Consumer Affairs Committee today representing our  
10 association of 50 members and individuals working  
11 to achieve energy efficiency in all buildings.  
12 Many of our members are registered with the Public  
13 Utility Commission as conservation services  
14 providers.

15 My own company, MaGrann Associates,  
16 started as a small business and operated for more  
17 than 30 years and now has offices in Pennsylvania  
18 at the Navy yard, as well as New Jersey, Ohio,  
19 Kentucky, Washington, Hawaii and New York. Our  
20 members deliver energy efficiency programs in  
21 Pennsylvania and across the country.

22 In developing, refining and extending  
23 Pennsylvania's Act 129 energy efficiency and  
24 conservation programs over the past six years,  
25 Governors Corbett and Wolf have both pointed out

1 that energy efficiency is a business that improves  
2 the competitiveness of Pennsylvania's economy and  
3 is part of our state leadership across the country.

4 Similarly, the General Assembly has  
5 acted in a bipartisan way to grow this economy as  
6 well. We look forward to working with leaders on  
7 both sides of the aisle to continue this positive  
8 momentum that's creating jobs and drawing  
9 businesses to Pennsylvania.

10 Today I'm going to share some insights  
11 on how we can make our economy stronger through  
12 pro-business policies on energy. KEEA has been an  
13 active participant in the public utilities  
14 management of Act 129 energy efficiency programs  
15 over the last six years. Our members look forward  
16 to continuing that work with the PUC process to  
17 improve the program, while continuing to supply  
18 customers with dependable energy efficiency.

19 Let me first tell you a little bit about  
20 the face of our industry. We, in the energy  
21 efficiency industry, work in roles that improve the  
22 energy and financial performance, as well as  
23 comfort and environmental impact of residential,  
24 commercial and industrial facilities. We are  
25 electricians, engineers, trained technicians,

1 financial analysts, construction workers,  
2 facilities managers, software developers, and other  
3 specialists.

4 As a result of Pennsylvania's utility  
5 energy efficiency programs, many of our businesses  
6 have launched new offices in Pennsylvania.  
7 Collectively, we employ thousands of Pennsylvanians  
8 and put hundreds of millions of dollars into our  
9 economy.

10 Let me go over several areas. First, in  
11 Pennsylvania, energy efficiency companies have  
12 created significant jobs largely thanks to smart  
13 policy initiated by this legislature. As stated in  
14 Governor Corbett's state energy plan in assessing  
15 the value of Act 129, I quote: As Pennsylvania's  
16 electric distribution companies have met Act 129  
17 goals, they have helped foster the economic  
18 development benefits associated with energy  
19 efficiency industry. Indeed, Pennsylvania's energy  
20 efficiency workforce is about 37,000 strong.

21 Establishing utility energy efficiency  
22 programs is particularly a boon to our economy  
23 because it supports jobs and takes place in the  
24 state; not beyond our borders.

25 Second. The economic benefits of energy

1 efficiency have been widespread. Taken together,  
2 Act 129's first and second phases will result in  
3 roughly \$2 billion in savings. You heard some of  
4 the numbers today. Commissioner Brown mentioned  
5 we're saving \$2.4 for every dollar spent through  
6 Phase 1, and we're already off to a very positive  
7 number in Phase 2.

8 Pennsylvania's energy programs continue  
9 to demonstrate this positive return. Not only do  
10 recipients of these programs benefit, but all six  
11 million utility ratepayers see wholesale  
12 electricity market benefits. Energy efficiency  
13 measures not only produce annual savings, but by  
14 shifting the demand curve, also provide capacity  
15 and wholesale price savings for Commonwealth. By  
16 the way, these last two areas have yet to be  
17 studied. So the savings you've heard are really  
18 about the direct energy savings as reported by the  
19 TRC test mentioned earlier.

20 So, as a result, electricity prices  
21 declined resulting in extra dollars in the pockets  
22 of all electric ratepayers, businesses and  
23 residents alike.

24 In 2013, by comparison, Ohio's energy  
25 efficiency impact on electricity markets found over

1 \$3 billion of energy savings. That would be  
2 comparable to the savings you heard on our side.  
3 But they also found an additional almost one  
4 billion in wholesale price mitigation and more than  
5 a billion in capacity price mitigation. Again,  
6 these are two areas we have not completely  
7 quantitatively assessed. So their total was about  
8 \$5.5 billion in savings. They have between 2013  
9 and 2020 based on their programs.

10 In addition, increased energy efficiency  
11 has made our grid more reliable, which has  
12 benefited all Pennsylvanians. As everyone here  
13 knows, when we discussed this topic last February  
14 and someone mentioned earlier the Polar Vortex, the  
15 winter had been particularly cold and electric  
16 demand for heating caused the grid to reach new  
17 seasonal peaks.

18 Fossil fuel generation has traditionally  
19 been very reliable, but recent extreme weather has  
20 revealed its vulnerabilities and the benefits of  
21 energy efficiency. Last winter's weather forecast  
22 forced many fossil plants to cut back due to their  
23 inability to run at fuel capacity in those frigid  
24 temperatures.

25 There's a quote here: At versus times,

1 on January 7th, as much as 21 percent of PJM's  
2 almost 190,000 megawatt of installed capacity was  
3 forced out of service. That was according to PJM's  
4 CEO Terry Boston. Demand response, actually, was  
5 able to help fill some of that gap with more than  
6 200,000 megawatts.

7 Third. There's significantly more  
8 energy efficiency to gain in Pennsylvania. Through  
9 the first two phases of Act 129, the utility energy  
10 efficiency programs will ultimately result in  
11 customer savings over 7 and a half million megawatt  
12 hours. This is equivalent electricity to power  
13 over 700,000 Pennsylvania homes, 51,000 businesses  
14 or 8,600 industrial facilities for a year.

15 Pennsylvania's Public Utility Commission  
16 has done the research on opportunities for growth.  
17 As the PUC's independent evaluator concludes,  
18 Pennsylvania could economically save 11.8 percent  
19 of electricity between now and 2020.

20 In the PUC's Phase 3 plan covering 2016  
21 to '21, it has directed electric utilities to make  
22 energy efficiency improvements, resulting in 5.1  
23 million megawatt hours saved; the equivalent of 3  
24 and a half percent of grid-wide savings across the  
25 state. Thus, the state could make many more

1 cost-effective investments in energy efficiency  
2 that would economically benefit all ratepayers.

3 Fourth. We're just starting to see the  
4 potential of utility programs. The economics of  
5 electricity in Pennsylvania have changed since  
6 2008, particularly with plentiful low-cost natural  
7 gas. But the Act 129 energy efficiency program in  
8 the Commonwealth continues to be cost-effective.  
9 This reflects the latest market analysis which puts  
10 energy efficiency far below electric generation on  
11 a levelized cost basis.

12 When utilities initiate energy  
13 efficiency program, consumers benefit. As a  
14 result, 20 utility programs around the country now  
15 spend over 2 percent of revenue on energy  
16 efficiency. The 2 percent revenue spending cap on  
17 Act 129 limits the potential of our programs to  
18 achieve all cost-effective results for  
19 Pennsylvania, and our state has not yet even  
20 adopted efficiency goals for natural gas. So  
21 again, the benefits far outweigh the costs, and  
22 there's still more to be done.

23 Fifth. Utility energy efficiency  
24 programs work when they reach all customer classes.  
25 The Ohio report discussed earlier found that

1 wholesale electricity savings accrue both to  
2 participants and non-participants of utility-  
3 sponsored energy efficiency programs. Act 129 is  
4 currently equitable because all customer classes  
5 pay a small rider on their electric bill. If one  
6 class of customers were excluded from paying, they  
7 would still receive the wholesale electricity  
8 savings. The savings achieved are significant.  
9 Ohio's utility, as we said earlier, estimate their  
10 savings to be 5.5 billion, which includes both  
11 avoided expenditures and reduced wholesale energy  
12 and capacity prices.

13           Six. Changing the program to favor one  
14 customer class would help a few at the expense of  
15 many. Allowing large commercial and industrial  
16 customers to opt out must be avoided. In some  
17 states, industrial customers have complained that  
18 the utility energy efficiency programs duplicate  
19 what they already do, and we heard some of that  
20 today, and we certainly want to work through some  
21 of those issues.

22           Understandably, not all customers will  
23 experience equal benefit and the costs from utility  
24 energy efficiency programs. But this segment  
25 represents a significant portion of all economic



1 energy efficiency which, on a whole, is untapped.  
2 Industrial customers account for roughly 25 percent  
3 of Pennsylvania's electric demand at more than  
4 41,000 premises across the state is essential to a  
5 functioning Act 129.

6           Within this large customer class,  
7 individual companies may wish to totally revamp the  
8 program. But reason dictates that sound policy,  
9 benefiting the wide array of Pennsylvania's  
10 electric customers, should not be altered at the  
11 appeal of a select few. The customers would  
12 continue to benefit from the wholesale price  
13 suppression effects, which would be unfair to the  
14 other 6 million customers who support the program.

15           So in conclusion, Pennsylvania's  
16 decision to extend Act 129 energy efficiency  
17 programs will provide positive -- will be positive  
18 for Pennsylvania's economy for all ratepayers.  
19 There's ample evidence that Act 129 programs are  
20 helping large energy users improve competitiveness  
21 in this marketplace.

22           For example, one of KEEA members  
23 recently worked with a manufacturer in northeast  
24 Pennsylvania through PP&L's Act 129 large C&I  
25 Prescriptive program. The company manages a plant

1 with over 450,000 square feet, which sought to  
2 dramatically reduce utility bills and improve the  
3 quality of light throughout the plant.

4 As a result of the energy audit that  
5 identified the need for capital improvements, the  
6 actual energy reduction upgrade work, the company  
7 now saves more than \$80,000 a year on its annual  
8 utility cost and shed more than 62 kilowatts of  
9 peak load. These savings help the company hire new  
10 employees, reinvest savings in R&D and compete  
11 globally.

12 Meanwhile, the KEEA-member company that  
13 performed the work started from the ground up in  
14 Pennsylvania, Opening its doors with just six  
15 employees, and quickly grew to its current staff of  
16 more than 30.

17 Beyond the state's largest energy users,  
18 Act 129 programs have benefited businesses and  
19 residential customers as well. After operating for  
20 less than four years in Pennsylvania, another KEEA-  
21 member company alone helped Pennsylvania customers  
22 save nearly \$45 million on their electric bills.  
23 As a result, the company grew, workers have  
24 good-paying local jobs, and thousands of  
25 Pennsylvania families have lower energy bills and

1 more money in their pockets.

2 The success stories are many, but the  
3 message is the same. These programs are working  
4 for ratepayers and the economy. We must continue  
5 to build upon this momentum.

6 Finally, Act 129 should remain intact  
7 and is best left to the Public Utility Commission  
8 to handle program maintenance and modifications to  
9 meet the changing needs of the Pennsylvania  
10 customers. As utilities develop their plans as we  
11 speak, it's important for the stakeholders to  
12 suggest plan designs that will maximize the energy  
13 efficiency benefits of each utility's program.

14 Thank you.

15 MAJORITY CHAIRMAN GODSHALL: Thank you.

16 You mentioned earlier in your testimony  
17 PJM and the difficulties they had this past -- I  
18 know that they just recently had their option, I  
19 guess as they call their procedure. Today is  
20 everything -- PJM, as far as energy, is it all  
21 based on cost or is it also based on the type of  
22 energy? Do you know? Maybe you have no idea.

23 MR. SELVERIAN: I'm not sure I'm  
24 qualified to answer, but I'll give you what I  
25 believe to be the case. They look at energy cost

1 and rank the energy from low cost to high cost. So  
2 base load is typically included, nuclear plants,  
3 things like that. Generation is added based on  
4 cost, but I'm not an expert on how PJM actually  
5 creates its markets, but that's my understanding.

6 MAJORITY CHAIRMAN GODSHALL: I just read  
7 this past week about what they had done down there.  
8 I know there was -- one of the energy companies  
9 here in Pennsylvania had a couple of their nuclear  
10 plants which didn't get involved in it, which is  
11 sort of shocking. But, I guess it's not totally  
12 done at this point.

13 So, are there any questions?  
14 Representative Longietti.

15 REPRESENTATIVE LONGIETTI: Thank you.

16 I just wanted to delve a little bit  
17 deeper into your concern on the opt-out. As I  
18 understand the testimony we heard earlier, part of  
19 the argument is, the grants are so small relative  
20 to the project that they really don't amount to an  
21 incentive at all. So, therefore, that part of the  
22 program design doesn't work. What's your reaction  
23 to that?

24 MR. SELVERIAN: I'd certainly like to  
25 look at that information a little closer. I do

1 understand that the very, very large industrials  
2 have some concerns that we'd want to look at.

3 My general reaction, however, is that,  
4 no program design is set up so that the incentives  
5 cover the cost of what needs to be done. So -- And  
6 I'm making up numbers here. If there's a 20  
7 percent energy savings by a capital project, for  
8 example; if you just do a simple payback  
9 calculation, that would say it has a payback of  
10 five years. So, if there's anything that helps you  
11 reduce that cost, then it just shortens that  
12 payback period.

13 I guess my general comment, without  
14 looking at the data too hard, is the incentives  
15 aren't necessarily meant to offset the cost of  
16 doing a project. They're meant to help lower the  
17 payback of doing a project.

18 REPRESENTATIVE LONGIETTI: And  
19 understood. You know, I'm just trying to think.  
20 Is it possible --

21 I mean, their argument is that the grant  
22 is so small; such a small sliver that it doesn't  
23 leverage anything. It's there, but those decisions  
24 get made independent of whether or not there's a  
25 grant.

1           MR. SELVERIAN: I think that would be a  
2 good thing to happen. I think that probably does  
3 happen more aggressively at the very high-end of  
4 that -- of the industrial scenario. I'm not sure  
5 that happens at all the 41,000 businesses covered  
6 by that rate class.

7           And again, I think what we're seeing --  
8 One of the comments was, for instance, it may help  
9 the competitors because we're subsidizing something  
10 that we've already done. I guess the counter-  
11 argument there is, if the incentives are really  
12 such a small portion of the decision factor, then  
13 it really wouldn't be a competitor doing anything  
14 because of that being the decision. So I really  
15 think it does have to come down to good energy  
16 management and doing improvements that make sense  
17 to lower your costs, and to assess what that  
18 payback period is, as with any capital expenditure  
19 project is made based on some sort of simple  
20 payback, discounted cash flow, some sort of future  
21 value of the benefit you're going to get  
22 continuously.

23           So if you spend, as an example, a  
24 million dollars and get \$200,000 of benefit a year,  
25 simple math says five years you get the payback.

1 So if the incentive helps cut that down even a  
2 little bit, what harm does that create?

3 REPRESENTATIVE LONGIETTI: Talk a little  
4 bit about, try to articulate, I don't know if I  
5 understand it all, but how -- The large energy  
6 consumers are saying that their part of the program  
7 doesn't necessarily affect the other classes in the  
8 program. If I hear you correctly, that's not  
9 necessarily true if that part of the program --

10 MR. SELVERIAN: It's my understanding  
11 that all the funds are part of the program. There  
12 isn't a segregation of funds. There is an  
13 assessment that says how much each class has  
14 benefited from energy efficiency programs, but all  
15 those dollars are commingled for the program, as I  
16 understand it.

17 REPRESENTATIVE LONGIETTI: Thank you.

18 MR. SELVERIAN: Sure.

19 MAJORITY CHAIRMAN GODSHALL: No further  
20 questions, I'd like to thank the presenters for  
21 taking the time to speak to us today and provide us  
22 with a better understanding of the industries and  
23 the intricacies of Act 129.

24 No further questions, the meeting is  
25 adjourned. And I want to thank the members for

1 also their attendance.

2 (At 3:03 p.m., the hearing concluded).

3 \* \* \* \*

4  
5 C E R T I F I C A T E

6  
7 I, Karen J. Meister, Reporter, Notary  
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9 the County of York, Commonwealth of Pennsylvania,  
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