

December 16, 2016

To: The Pa Public Utility Commission Secretary  
400 North Street  
Harrisburg, PA 17120

From: Ross E. Schell  
203 Knollwood Drive  
Harrisburg, PA 17109-5515  
PH# 717-651-0824  
Fax# same but call First.

C-2016-2535220, C-2016-2538023, C-2016--2539969

To Whom this may Concern

Exceptions to Judges decision 30 November 2016

First I would like to know why I have the Judge's decision on the 16<sup>th</sup> of December and not the 30 of November?

1. True
2. True
3. True
4. True
5. True
6. True
7. False no testified what my balance was at this time. Disagree with this.

8. Disagree tried pay bill online but website would not let me nor make a payment arrangement online. Called in and was told 1700 down payment then 420 a month till paid up. I called twice and this is the payment arrangements they offered. I could not conceivably do this kind of arrangement.
9. Agree
10. 1075 square feet I testified too not 1175.
11. These temporary shut offs have been going since I moved in July 1999. Hundreds of times just not since the complaints were filed.
12. Respondent could not say for shore why the power was going on and off. Not trees. He stated this is a possibility not a fact.
13. The do not trim trees every 4 years as they say. They have been doing it recently yet not since 2004 have they trimmed any trees in my neighborhood. And only after we called the fire company because the wires were sparking against one of the trees. And my power never went out on this one. What is (Tr. 78-79)? He also discussed Squirrels attacking their transformers. And that they installed protections against this and I proved he was lying about these protections. Besides since I have dogs no squirrel comes into my yard any more. They have never been able to testify conclusively why my power was going on and off.
14. Same as above
15. PPL summited documents showing I use to call in about the power going out but quite since they said "I was lying about it". Even though they show it going on and off nearly 100 times since I Moved in.

16. I quite calling, because they do nothing about the outages. But I did call in, the judge cannot say I did not. Since PPL submitted these records to the Judge but again he ignored them.
17. Maybe no proof submitted by company only hearsay evidence given.
18. Never saw any PPI employee replace my meter till this year. Same seal was on my meter that was on it when I moved in on July 1999 seal never replaced till meter was changed in 2016. Again no proof submitted just hearsay evidence submitted.
19. Still using a remote and do not take a real visual reading as required by law.
20. Hearsay evidence given on this again no proof given by PPL.
21. He was introduced as an Electrical Engineer at the hearing in charge of electrical devices not reliability issues, he makes the bells ring in other words.
22. he never said he was present for the test.
23. Yes they are all about the same thing my power going on and off over 300 times over the last 17 years
24. Agree
25. Disagree they never offered anything like this.
26. As far as burden of proof what does 66 315 mean. They disproved this.

My power has been going off and on since July 1999 I have called in complaining to PPL. I have no Idea how to get this through PPL or Judge Watson's head that this has been going on and off since I moved in. If this is adequate service then I live in Iraq this is what I would expect in a third world country

not the United States of America. Yes in my past complaints I asked for relief that could not be granted other than a Payment agreement as the Judge ordered. But again I am wondering why no one at the PUC can see that the service PPL is given me at my house is in direct conflict with the Laws that are written by both federal and state.

Ross. E. Schell

## Certificate Of Service

I do Herby Certify That I have This Day 16 December 2016 I Have Served a true And correct copy of the Exceptions form 16 December 2016 upon The person's and manner Set Forth Below.

Via Fax Exceptions

Kimberly G. Krupka

33 S Seventh Street

P.O. box 4060

Allentown, PA 18105-4060

The Honorable Jeffery A. Watson

Piatt Place

Suite 220

301 5<sup>th</sup> Avenue

Pittsburg, Pa 15222 undeliverable will not allow contact. Any

Ross E. Schell

**315. Burden of proof.**

**(a) Reasonableness of rates.--**In any proceeding upon the motion of the commission, involving any proposed or existing rate of any public utility, or in any proceedings upon complaint involving any proposed increase in rates, the burden of proof to show that the rate involved is just and reasonable shall be upon the public utility. The commission shall give to the hearing and decision of any such proceeding preference over all other proceedings, and decide the same as speedily as possible.

**(b) Compliance with commission determinations and orders.--**In any case involving any alleged violation by a public utility, contract carrier by motor vehicle, or broker of any lawful determination or order of the commission, the burden of proof shall be upon the public utility, contract carrier by motor vehicle, or broker complained against, to show that the determination or order of the commission has been complied with.

**(c) Adequacy of services and facilities.--**In any proceeding upon the motion of the commission, involving the service or facilities of any public utility, the burden of proof to show that the service and facilities involved are adequate, efficient, safe, and reasonable shall be upon the public utility.

**(d) Justification of accounting entries.--**The burden of proof to justify every accounting entry questioned by the commission shall be upon the public utility making, authorizing, or requiring such entry, and the commission may suspend any charge or credit pending submission of such proof by such public utility.

**(e) Use of future test year.--**In discharging its burden of proof the utility may utilize a future test year or a fully projected future test year, which shall be the 12-month period beginning with the first month that the new rates will be placed in effect after application of the full suspension period permitted under section 1308(d) (relating to voluntary changes in rates). The commission shall promptly adopt rules and regulations regarding the information and data to be submitted when and if a future test period or a fully projected future test year is to be utilized. Whenever a utility utilizes a future test year or a fully projected future test year in any rate proceeding and such future test year or a fully projected test year forms a substantive basis for the final rate determination of the commission, the utility shall provide, as specified by the commission in its final order, appropriate data evidencing the accuracy of the estimates contained in the future test year or a fully projected future test year, and the commission may after reasonable notice and hearing, in its discretion, adjust the utility's rates on the basis of such

data. Notwithstanding section 1315 (relating to limitation on consideration of certain costs for electric utilities), the commission may permit facilities which are projected to be in service during the fully projected future test year to be included in the rate base.

(Feb. 14, 2012, P.L.72, No.11, eff. 60 days)

**2012 Amendment.** Act 11 amended subsec. (e).

**Cross References.** Section 315 is referred to in section 332 of this title.

Schell; 09010-71010

Wednesday, June 25, 2015  
2:18 PM

OMS Outage History

Trouble Date & Time	Restored Date & Time	Job Number	Duration	Order Description	Cause	Weather Type	Comments
6/24/2007 7:00:00 AM	6/24/2007 7:00:00 AM	130870-1	0	NL Order	Unknown	Unknown	
8/2/2007 10:27:21 PM	8/3/2007 1:40:05 AM	148048-1	160	NL Order	Equipment Failures	Not a Factor	Received from SCADA: 22:27 08/02/2007 UG 3 phase cable failed SC-27715s35327 to SC-27502s35278. Problems with Bakelight insulators between switches of GOLB-9526 at SC-27502s35278 caused approx. a 45 minute delay to restoring last 1339 customers. SC needs permanent repairs.
9/6/2007 8:54:21 AM	9/6/2007 8:54:21 AM	162232-1	0	NL Order	Unknown	Unknown	
11/2/2007 10:02:00 AM	11/2/2007 10:02:00 AM	180420-1	0	NL Order	Unknown	Unknown	
12/16/2007 5:06:00 AM	12/16/2007 5:06:00 AM	205962-1	0	NL Order	Unknown	Unknown	
12/16/2007 5:24:48 AM	12/19/2007 12:00:19 PM	208534-1	4716	NL Order	Trees-Not Trimming Related	Ice/Sleet/ Snow	A & C phase S side loops opened at pole 26404s35107 for downed conductors pole 26404s35080 to pole 26403s35060. switch order H-462 WR 35449. Back in service at this time.
12/17/2007 12:45:00 PM	12/17/2007 12:45:00 PM	207559-1	0	NL Order	Unknown	Unknown	
4/30/2008 8:13:20 AM	4/30/2008 10:00:00 AM	253789-1	107	NL Order	Scheduled Outage	Not a Factor	tree trimming crew removed trees
6/16/2008 11:25:00 PM	6/16/2008 11:25:00 PM	277099-1	0	NL Order	Unknown	Unknown	
11/6/2008 8:34:00 AM	11/6/2008 8:34:00 AM	335897-1	0	NL Order	Unknown	Unknown	
5/5/2009 8:48:00 PM	5/5/2009 8:48:00 PM	387901-1	0	NL Order	Unknown	Unknown	
7/14/2009 8:12:00 AM	7/14/2009 8:12:00 AM	411445-1	0	NL Order	Unknown	Unknown	
4/28/2010 7:38:00 AM	4/28/2010 7:38:00 AM	507820-1	0	NL Order	Unknown	Unknown	
5/16/2010 6:19:00 AM	5/16/2010 6:19:00 AM	516918-1	0	NL Order	Unknown	Unknown	
5/29/2010 8:23:00 AM	5/29/2010 8:23:00 AM	521110-1	0	NL Order	Unknown	Unknown	
7/12/2010 4:47:00 PM	7/12/2010 4:47:00 PM	539134-1	0	NL Order	Unknown	Unknown	
7/18/2010 6:24:29 AM	7/18/2010 6:24:29 AM	542366-1	0	NL Order	Unknown	Unknown	
12/15/2010 6:07:00 PM	12/15/2010 6:07:00 PM	604022-1	0	NL Order	Unknown	Unknown	
2/21/2011 8:45:00 AM	2/21/2011 8:45:00 AM	627748-1	0	NL Order	Unknown	Unknown	
5/19/2011 3:45:00 AM	5/19/2011 3:45:00 AM	658805-1	0	NL Order	Unknown	Unknown	
7/29/2011 4:20:00 PM	7/29/2011 4:20:00 PM	699695-1	0	NL Order	Unknown	Unknown	
8/28/2011 6:28:00 AM	8/28/2011 1:15:55 PM	714514-1	407	NL Order	Trees-Not Trimming Related	Wind	::MDT ::SO audit complete per W1814**DMH
9/14/2011 7:49:00 PM	9/14/2011 7:49:00 PM	747643-1	0	NL Order	Unknown	Unknown	
9/14/2011 7:52:46 PM	9/15/2011 12:05:47 AM	747377-1	253	NL Order	Trees-Not Trimming Related	Rain	::MDT ::Tree Removed from conductors and conductors repaired (sleeved) at pole 26986s35029**SO audit complete per W0947**DMH
9/14/2011 9:21:00 PM	9/14/2011 9:21:00 PM	747655-1	0	NL Order	Unknown	Unknown	
9/15/2011 1:47:00 AM	9/15/2011 1:47:00 AM	747708-1	0	NL Order	Unknown	Unknown	
9/15/2011 2:27:00 AM	9/15/2011 2:27:00 AM	747710-1	0	NL Order	Unknown	Unknown	
9/15/2011 3:03:00 AM	9/15/2011 3:03:00 AM	747717-1	0	NL Order	Unknown	Unknown	
10/29/2011 3:07:00 PM	10/29/2011 3:07:00 PM	791317-1	0	NL Order	Unknown	Unknown	
10/4/2012 8:57:00 AM	10/4/2012 8:57:00 AM	915136-1	0	NL Order	Unknown	Unknown	
8/9/2013 5:15:00 AM	8/9/2013 5:15:00 AM	1046036-1	0	NL Order	Unknown	Unknown	
12/1/2013 8:38:00 AM	12/1/2013 9:50:31 AM	1082969-1	72	NL Order	Nothing Found (Explain)	Not a Factor	callout for sub repairman per SO.. rich dorman will work derek shearer will work. CB failure, did not cycle according to reclosing schedule.
1/13/2014 10:10:00 AM	1/13/2014 10:10:00 AM	1094600-1	0	NL Order	Unknown	Unknown	
2/3/2014 12:13:00 PM	2/3/2014 12:13:00 PM	1099084-1	0	NL Order	Unknown	Unknown	
5/21/2014	5/21/2014	1285650-0	0	NL Order	Unknown	Unknown	

9:39:29 AM	9:39:29 AM	1							
5/21/2014	5/21/2014	1285646-	56	NL Order	Equipment Failures	Rain	Per Andy Pattison, failed fiber glass bracket at pole 26964s35049, will lift in the clear. H-0730		
9:41:06 AM	10:37:00 AM	1							
6/5/2014	6/5/2014	1316439-	0	NL Order	Unknown	Unknown			
4:33:25 PM	4:33:25 PM	1							
7/11/2014	7/11/2014	1337880-	116	NL Order	Equipment Failures	Not a Factor	::MDT No Required Permit per e60096 ::@1900-FM OFarrell sd I.Moyer taking call.Tman Welsko in enola. H-1005		
6:34:37 AM	8:30:00 AM	1							
7/19/2014	7/19/2014	1341360-	0	NL Order	Unknown	Unknown			
10:22:59 AM	10:22:59 AM	1							
7/27/2014	7/27/2014	1344311-	0	NL Order	Unknown	Unknown			
6:23:21 PM	6:23:21 PM	1							
10/29/2014	10/29/2014	1374407-	0	NL Order	Unknown	Unknown			
9:02:01 AM	9:02:01 AM	1							
3/31/2015	3/31/2015	1418184-	0	NL Order	Unknown	Unknown			
12:00:16 PM	12:00:16 PM	1							
5/7/2015	5/7/2015	1429278-	3	NL Order	Scheduled Outage	Not a Factor	balancing the load		
11:47:53 AM	11:50:00 AM	1							
6/14/2015	6/14/2015	1764832-	0	NL Order	Unknown	Unknown			
5:35:40 PM	5:35:40 PM	1							
6/23/2015	6/23/2015	1915433-	0	NL Order	Unknown	Unknown			
4:17:45 PM	4:17:45 PM	1							
6/29/2015	6/29/2015	2065179-	0	NL Order	Unknown	Unknown			
11:40:18 AM	11:40:18 AM	1							
8/12/2015	8/12/2015	2134873-	2	NL Order	Equipment Failures	Not a Factor	while performing switching for ABB relay upgrade jobs at Devonshire sub, the 22-2 CB was carrying the 22-4 12kV line, and then the 22-2 CB unexpectedly operated.		
1:07:00 PM	1:09:00 PM	1							
9/1/2015	9/1/2015	2142440-	0	NL Order	Unknown	Unknown			
7:22:50 AM	7:22:50 AM	1							
9/1/2015	9/1/2015	2142441-	0	NL Order	Unknown	Unknown			
7:22:56 AM	7:22:56 AM	1							
9/22/2015	9/22/2015	2150585-	0	NL Order	Unknown	Unknown			
6:05:49 PM	6:05:49 PM	1							
9/22/2015	9/22/2015	2150586-	0	NL Order	Unknown	Unknown			
6:05:50 PM	6:05:50 PM	1							
9/25/2015	9/25/2015	2151771-	0	NL Order	Unknown	Unknown			
10:48:35 PM	10:48:35 PM	1							
2/7/2016	2/7/2016	3177278-	0	NL Order	Unknown	Unknown			
8:17:33 AM	8:17:33 AM	1							
5/10/2016	5/10/2016	3276230-	0	NL Order	Unknown	Unknown			
6:11:40 AM	6:11:40 AM	1							
5/31/2016	5/31/2016	3283767-	0	NL Order	Unknown	Unknown			
7:22:40 PM	7:22:40 PM	1							
6/16/2016	6/16/2016	3291388-	0	NL Order	Unknown	Unknown			
12:15:36 PM	12:15:36 PM	1							
6/27/2016	6/27/2016	3295165-	0	NL Order	Unknown	Unknown			
4:02:07 AM	4:02:07 AM	1							
7/4/2016	7/4/2016	3298511-1	0	NL Order	Unknown	Unknown			
3:59:10 PM	3:59:10 PM								
9/4/2016	9/4/2016	3330281-1	0	NL Order	Unknown	Unknown			
6:40:31 AM	6:40:31 AM								
9/7/2016	9/7/2016	3331302-1	0	NL Order	Unknown	Unknown			
4:04:40 PM	4:04:40 PM								
9/23/2016	9/23/2016	3337500-1	0	NL Order	Unknown	Unknown			
7:11:53 AM	7:11:53 AM								
9/23/2016	9/23/2016	3337501-1	0	NL Order	Unknown	Unknown			
7:11:56 AM	7:11:56 AM								

**Trouble Calls**

1082969-1	12/1/2013 8:40:25 AM	No Lights	0901071010
1082969-1	12/1/2013 8:55:04 AM	No Lights	0901071010
1082969-1	12/1/2013 9:30:35 AM	Outbound ERT Call	0901071010
1285646-1	5/21/2014 9:44:24 AM	No Lights	0901071010
1285646-1	5/21/2014 10:28:33 AM	Outbound ERT Call	0901071010
1337880-1	7/11/2014 6:49:15 AM	No Lights	0901071010
148048-1	8/2/2007 10:30:55 PM	No Lights	0901071010
148048-1	8/2/2007 10:46:28 PM	No Lights	0901071010
202533-1	12/16/2007 3:41:41 PM	No Lights/Wire Down	0901071010
714514-1	8/28/2011 8:02:13 AM	No Lights	0901071010
739358-1	9/6/2011 5:53:21 PM	No Lights	0901071010
747377-1	9/14/2011 7:53:29 PM	No Lights	0901071010
747377-1	9/14/2011 8:00:56 PM	No Lights	0901071010
747377-1	9/14/2011 10:18:06 PM	No Lights	0901071010

reprtng no power @ residence

WIRES DOWN ACROSS RD @ THIS ADDRESS

be recorded in terms of full scale deflection.

(c) A demand meter of the block interval type which has an error in demand indication of more than 2% in terms of full scale indication on graphic and indicating meters may not be placed in service or allowed to remain in service without adjustment. If a timing element also serves to keep a record of the time of day at which the demand occurs, it shall be adjusted if its rate is more than .25% in error.

(d) A thermal type demand meter which has an error in demand indication or registration of more than  $\pm 3%$  in terms of full scale indication on graphic and indicating meters may not be placed in service or allowed to remain in service without adjustment. If a timing element also serves to keep a record of the time of day at which the demand occurs, it shall be adjusted if its rate is more than .25% in error.

(e) A demand meter with solid state digital display for measured quantities shall be tested for accuracy of the register using its internal input pulse initiator and a watthour meter or using an auxiliary pulse device as the input source. The applied test current or pulse rate may not exceed the class of the meter. The accuracy of the displayed demand shall be within 2.0% of the input.

(f) A utility shall make periodic test of its demand meters in service, as follows:

- (1) Self-contained thermal demand meters, up to and including 50 amperes rated test current, shall be tested on the same schedule as the watthour meters with which they are associated.
- (2) Self-contained thermal demand meters, of over 50 amperes rated test current, shall be tested at least once every 96 months.
- (3) Thermal demand meters connected through current transformers or current and potential transformers shall be tested at least once every 48 months.
- (4) Curve drawing watt meters used for determining demands shall be tested at least once every 24 months.

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5) Demand meters of the block interval type shall be tested on the same schedule as the watthour meters with which they are associated.

(g) A demand meter shall be tested for accuracy by the public utility prior to its installation, or be so tested within 90 days after its installation. It shall also be inspected by the public utility for proper connection, mechanical condition and suitability of location within 90 days after installation.

##### **Authority**

The provisions of this § 57.21 issued under: the Public Utility Code, 66 Pa.C.S. §§ 331, 501, 504 and 1501; amended under: 66 Pa.C.S. §§ 501, 1501 and 1504.

##### **Source**

The provisions of this § 57.21 adopted February 25, 1946; amended through May 29, 1973; amended January 7, 1983, effective January 8, 1983, 13 Pa.B. 131; amended August 7, 1987, effective August 8, 1987, 17 Pa.B. 3324; amended March 8, 1991, effective March 9, 1991, 21 Pa.B. 947. Immediately preceding text appears at serial pages (125377) to (125378).

##### **Cross References**

This section cited in 52 Pa. Code § 57.22 (relating to request tests and fees); 52 Pa. Code § 57.23 (relating to general testing conditions); and 52 Pa. Code § 57.254 (relating to advanced meter standards).

#### **§ 57.22. Request tests and fees.**

(a) *Tests by the public utility.* A public utility shall make a test of the accuracy of registration of a service meter upon the written request of the customer for whom the meter is installed upon payment of the fee specified in this section. If a customer desires either personally or by a representative to witness the testing of a meter, the customer may require the seal of the meter to be broken only in the customer's presence or that of a representative. If the meter tested upon request is found to be accurate within the limits specified in §§ 57.20 and 57.21 (relating to watthour meter testing; and demand meter testing), the fee shall be retained by the public utility. If not so found, the cost shall be borne by the public

**§ 56.71. Interruption of service.**

A public utility may temporarily interrupt service when necessary to effect repairs or maintenance; to eliminate an imminent threat to life, health, safety or substantial property damage; or for reasons of local, State or National emergency.

(1) *Interruption with prior notice.* When the public utility knows in advance of the circumstances requiring the service interruption, prior notice of the cause and expected duration of the interruption shall be given to customers and occupants who may be affected.

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**52 § 56.72**

(2) *Interruption without prior notice.* When service is interrupted due to unforeseen circumstances, notice of the cause and expected duration of the interruption shall be given as soon as possible to customers and occupants who may be affected.

(3) *Notification procedures.* When customers and occupants are to be notified under this section, the public utility shall take reasonable steps, such as personal contact, phone contact and use of the mass media, to notify affected customers and occupants of the cause and expected duration of the interruption.

(4) *Permissible duration.* Service may be interrupted for only the periods of time as are necessary to protect the health and safety of the public, to protect property or to remedy the situation which necessitated the interruption. Service shall be resumed as soon as possible thereafter.

**Authority**

The provisions of this § 56.71 amended under the Public Utility Code, 66 Pa.C.S. §§ 331, 501, 504, 1301, 1305, Chapter 14, 1501 and 1504.

**Source**

The provisions of this § 56.71 adopted June 16, 1978, effective June 17, 1978, 8 Pa.B. 1655; amended April 8, 1983, effective April 9, 1983, 13 Pa.B. 1250; amended October 7, 2011, effective October 8, 2011, 41 Pa.B. 5473. Immediately preceding text appears at serial page (324550).

**Cross References**

This section cited in 52 Pa. Code § 56.93 (relating to personal contact); 52 Pa. Code § 65.5 (relating to interruptions of service); and 52 Pa. Code § 69.1601 (relating to general).

**§ 57.20. Watthour meter testing.**

(a) No watthour meter which has an incorrect register constant, test constant, gear ratio or dial train, or which "creeps," that is, registers upon no load, may be placed in service or allowed to remain in service without adjustment and correction. A meter in service creeps if, with the load wires disconnected, the moving element makes one complete rotation in 5 minutes or less.

(b) For the purpose of this section, the term "light load" means not less than 10%, nor more than 15%, of the rated test current of the meter. The term "heavy load" means not less than 75%, nor more than 100%, of the rated test current of the meter.

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(339441)

(c) No watthour meter which has an error in registration of more than 2.0% at light load or heavy load may be placed in service or allowed to remain in service without adjustment. If, upon installation, periodic or other tests, a watthour meter is found to exceed these limits, it shall be adjusted or removed from service.

(d) A public utility shall maintain records of service watthour meters. The record for a meter shall identify the manufacturer, type, rating, year of purchase, year and location of the present installation in service, the year of the last test and the reason for the test, the registration accuracy recorded as found before adjustment and the registration accuracy recorded as left upon the completion of the test.

(e) A public utility shall make periodic tests of its watthour meters in service as follows:

(1) Two and three-wire single-phase and network-induction-type meters, up to and including 50 amperes rated test current, shall be tested at least once in each of the following periods:

(i) If manufactured prior to January 1, 1940, and the meters are not Class I and II temperature compensated and are not equipped with surgeproofed magnets or surge shields—3 years.

(ii) If the meters are Class I and II temperature compensated and are equipped with surge-proofed magnets or surge shields—15 years.

(iii) If manufactured since January 1, 1959, and the meters are Class I and II temperature compensated and are equipped with surge-proofed magnets, surge discharge gaps and a shielded magnetic bearing system—20 years.

(2) An alternative, meters described in paragraph (1)(ii) and (iii) shall be tested according to statistical procedure in Section 8.1.8.6 of the current edition of the *ANSI C-12 Code for Electric Meters*, Fifth Edition.

(i) Groups which meet the accuracy requirements of the applied statistical procedure shall continue in service without test or adjustment until a subsequent annual statistical analysis indicates the need for corrective action or the Commission on its own motion requests retest of either entire groups or individual meters. Test results affecting billing shall be furnished to customers without charge.

(ii) Groups which fail to meet the accuracy requirements of the applied statistical procedure are subject to one of the following immediate corrective measures:

(A) Meters within the group affected shall be removed from service upon notification to the Commission and in compliance with a program acceptable to the Commission. A customer's accounts billed according to registration by these meters shall be retained by the public utility from 2 years prior to discovery of registration error until date of meter removal or adjustment. Test results affecting billing shall be furnished to customers

without charge and shall be retained by the public utility for at least 2 years after the meter is retired.

(B) Meters within groups affected shall be placed on an accelerated program of testing and maintenance until subsequent annual statistical analysis indicates that the affected groups again meet the accuracy requirements of the statistical testing program. Records of customer accounts and of test results affecting billing shall be retained by the public utility and furnished to customers under clause (A).

(3) Two and three-wire single-phase and network-induction-type meters, of over 50 amperes rated test current, shall be tested at least once every 8 years.

(4) Single-phase meters connected through current transformers or current and voltage transformers shall be tested as follows:

(i) Meters without surge-proof magnets, at least once every 8 years.

(ii) Meters with surge-proof magnets, at least once every 16 years.

(5) Self-contained polyphase meters shall be tested as follows:

(i) Meters without surge-proof magnets, at least once every 8 years.

(ii) Meters with surge-proof magnets, at least once every 16 years or according to statistical procedures as described in paragraph (2).

(6) Polyphase meters connected through current transformers or current and voltage transformers shall be tested as follows:

(i) Meter without surge-proof magnets, at least once every 8 years.

(ii) Meters with surge-proof magnets, at least once every 16 years.

(f) An alternating current watthour meter shall be tested and adjusted before installation for correct registration within  $\pm 2\%$ , at a power factor of approximately 50% and 100% at rated test current. When in service, meters not tested and adjusted before installation shall be tested and adjusted to the percent accuracy specified as soon as the circumstances permit, or shall be removed from service.

(g) A service watthour meter installed shall be tested for accuracy by the public utility prior to its installation, or shall be so tested within 90 days after its installation. It shall also be inspected by the public utility for proper connection, mechanical condition and suitability of location within 90 days after installation.

(h) A service watthour meter which is removed from service shall be tested for "as found" registration accuracy.

**Authority**

The provisions of this § 57.20 amended under the Public Utility Code, 66 Pa.C.S. §§ 501, 1501 and 1504.

**Source**

The provisions of this § 57.20 adopted February 25, 1946; amended through May 29, 1973; amended January 2, 1981, effective January 3, 1981, 11 Pa.B. 19; amended August 7, 1987, effective August 8, 1987, 17 Pa.B. 3324. Immediately preceding text appears at serial pages (103566) to (103567) and (80594) to (80595).

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cited in 52 Pa. Code § 57.22 (relating to request tests and fees); 52 Pa. Code § 57.23 (relating to general testing conditions); 52 Pa. Code § 57.24 (relating to adjustment of bills for average meter error); and 52 Pa. Code § 57.254 (relating to advanced meter standards).

**§ 57.21. Demand meter testing.**

(a) A demand meter of the block interval type, which fails to properly reset completely to zero at the end of each time interval, or a demand meter which has an incorrect register constant, test constant gear ratio or dial train may not be placed in service or allowed to remain in service without adjustment and correction.

(b) Tests of graphic and indicating types of demand meters shall be made at points about 1/3 to 2/3 scale in terms of full scale indication. The deviation shall

utility furnishing the service and the fee paid by the customer shall be refunded. A report of the test shall be made to the customer.

(b) *Tests by the Commission.* If service meter test is to be made by the Commission upon written request and payment of the fee by the customer, as specified in this section, the public utility owning the meter shall be notified that a test is to be made and shall have a representative present to open the meter, assist in the test and adjust and seal the meter after the test. If a tested meter is found to be accurate within the limits specified in §§ 57.20 and 57.21, the fee paid for the test shall be retained by the Commission. If not so found, the fee shall be refunded to the customer and the cost of the test shall be borne by the public utility furnishing the service. A public utility may apply in writing for a test of a

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Meter Test Edit Help

Meter

Vendor: Landis & Gyr Type: A01651  
Test Group: Size: 2 200

Test Results

Date: 05/02/16 KWH Test Reading:  
Method: Shop KW Test Reading:  
Status: Passed Power Factor: 10

Reason for Test: Other Shop Test

Irregular Test Condition:

Average Percent Accuracy High: 98.67 % High Not Recording: No

Average Percent Accuracy Low: 99.74 % Low Not Recording: No

Meter Constant

Incorrect Constant in System: No Removed from Test Group: No

Tested Constant:

**§ 56.12. Meter reading; estimated billing; customer readings.**

Except as provided in this section, a public utility shall render bills based on actual meter readings by public utility company personnel.

(1) *Inapplicability to seasonally billed customers.* This section does not apply to customers billed on a seasonal basis under terms included in the tariff of the public utility.

(2) *Estimates for bills rendered on a monthly basis.* If a public utility bills on a monthly basis, it may estimate usage of service every other billing month, so long as the public utility provides a customer with the opportunity to read the meter and report the quantity of usage in lieu of the estimated bill. The resulting bills must be based on the information provided, except for an account when it is apparent that the information is erroneous.

(i) Upon the request of the customer, the public utility shall, at least annually, provide preaddressed postcards on which the customer may report the reading. The public utility shall provide additional preaddressed postcards on request. The public utility may choose to make available electronic and telephonic methods for customers to report meter reading information.

(ii) The public utility may establish due dates by which the customer supplied reading shall be received for a bill to be based upon the meter reading of the customer or occupant. If the reading of a customer or occupant is not received by that due date, the public utility may estimate the quantity of usage. The public utility may establish due dates for submitting a meter reading when the customer or occupant utilizes an electronic method for reporting meter readings.

(3) *Estimates permitted under exigent circumstances.* A public utility may estimate the bill of a customer if extreme weather conditions, emergencies, equipment failure, work stoppages or other circumstances prevent actual meter reading.

(4) *Estimates when public utility personnel are unable to gain access.* A public utility may estimate the bill of a customer if public utility personnel are unable to gain access to obtain an actual meter reading, as long as the following apply:

(i) The public utility has undertaken reasonable alternative measures to obtain a meter reading, including, but not limited to, the provision of preaddressed postcards upon which the customer may report the reading or the telephone reporting of the reading.

(ii) The public utility, at least every 6 months, or every four billing periods for public utilities permitted to bill for periods in excess of 1 month, obtains an actual meter reading or customer supplied reading to verify the accuracy of the estimated readings.

(iii) The public utility, at least once every 12 months, obtains an actual meter reading to verify the accuracy of the readings, either estimated or customer read.

(5) *Remote reading devices for water, gas and electric public utilities.* A public utility may render a bill on the basis of readings from a remote reading device under the following conditions:

(i) When a gas, electric or water public utility uses readings from a remote reading device to render bills, the public utility shall obtain an actual meter reading at least once every 5 years to verify the accuracy of the remote reading device. If the customer of record at the dwelling changes during the 5-year period between actual meter readings, the public utility shall make a bona fide attempt to schedule an appointment with the departing customer and, if necessary, the new occupant, to secure an actual meter reading.