

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Heartwood	D/U	35.00	4.36	
2	Jackson	D/U	35.00	4.36	
3	Jamison	D/U	35.00	4.36	
4	Jordan	D/U	35.00	4.36	
5	Kellers	D/U	35.00	4.36	
6	Kelly	D/U	35.00	4.36	
7	Keys	D/U	35.00	4.36	
8	Keys	D/U	35.00	4.36	
9	Langhorne	D/U	35.00	4.36	
10	Levitt	D/U	35.00	4.36	
11	Linton	D/U	230.00	35.00	
12	Mearns	D/U	35.00	4.36	
13	Midway	D/U	35.00	4.36	
14	Midway	D/U	35.00	4.36	
15	Midway	D/U	35.00	13.80	
16	Moon	D/U	35.00	4.36	
17	Morgan	D/U	35.00	4.36	
18	Morrisville	D/U	35.00	4.36	
19	Morrisville	D/U	35.00	4.36	
20	Mountain	D/U	35.00	4.36	
21	Nectar	D/U	35.00	4.36	
22	Neshaminy	D/U	138.00	13.80	
23	New Hope	D/U	35.00	4.36	
24	Newtown	D/U	35.00	4.36	
25	Nolan	D/U	35.00	4.36	
26	Palomino	D/U	35.00	4.36	
27	Palomino	D/U	35.00	4.36	
28	Piper	D/U	35.00	4.36	
29	Plumstead	D/U	35.00	4.36	
30	Pools	D/U	35.00	4.36	
31	Richboro	D/U	35.00	4.36	
32	Rickerts	D/U	35.00	4.36	
33	Rodgers	D/U	35.00	13.80	
34	Rushland	D/U	35.00	4.36	
35	Siles	D/U	35.00	4.36	
36	Siles	D/U	35.00	13.80	
37	Solebury	D/U	35.00	4.36	
38	Solebury	D/U	35.00	4.36	
39					
40	Southampton	D/U	35.00	4.36	

Name of Respondent PECO Energy Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 12/31/96	Year of Report Dec. 31, 1996
---	---	--	---------------------------------

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether Lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
20.00	8					1
5.00	2					2
2.50	1					3
7.50	3					4
1.50	1					5
1.00	1					6
10.00	4					7
1.50	1					8
5.00	2					9
17.50	7					10
180.00	2					11
2.50	1					12
1.50	1					13
5.00	2					14
5.00	1					15
20.00	8					16
4.50	3					17
4.00	1					18
6.00	1					19
1.50	1					20
2.50	1					21
110.00	2					22
5.00	2					23
12.50	5					24
10.00	4					25
3.00	2					26
7.50	3					27
1.50	1					28
3.00	2					29
5.00	2					30
7.50	3					31
3.00	2					32
10.00	2					33
1.50	1					34
2.50	1					35
5.00	1					36
2.50	1					37
1.50	1					38
5.00	2					39
5.00	2					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Star	D/U	35.00	4.36	
2	Starkey	D/U	35.00	4.36	
3	Stoney	D/U	35.00	4.36	
4	Trevoise	D/U	35.00	4.36	
5	Trevoise	D/U	35.00	13.80	
6	Tully	D/U	35.00	4.36	
7	Turk	D/U	35.00	4.36	
8	Warminster	D/U	35.00	4.36	
9	Warminster	D/U	230.00	13.80	
10	Warrington	D/U	230.00	35.00	
11	Warrington	D/U	230.00	35.00	
12	Warwick	D/U	35.00	4.36	
13	Westbuck	D/U	35.00	4.36	
14	Westbuck	D/U	35.00	4.36	
15	Woodbourne	D/U	35.00	4.36	
16	Woodbourne	D/U	230.00	35.00	
17	Woodbourne	D/U	230.00	35.00	
18	Worth	D/U	35.00	4.36	
19	Wright	D/U	35.00	4.36	
20	Yardley	D/U	35.00	4.36	
21					
22	Bucks Division (Transmission)				
23	Croydon	T/U	230.00	13.20	
24	Emilie	T/U	230.00	138.00	
25					
26	Chester Division (Distribution)				
27	Cromby	D/U	69.00	35.00	
28	Avondale	D/U	35.00	4.36	
29	Avondale	D/U	35.00	4.36	
30	Bacton	D/U	35.00	4.36	
31	Barnsley	D/U	35.00	4.36	
32	Berwyn	D/U	35.00	4.36	
33	Berwyn	D/U	35.00	4.36	
34	Boot Jack	D/U	35.00	4.36	
35	Boyd	D/U	35.00	4.36	
36	Bradford	D/U	230.00	35.00	
37	Buck	D/U	35.00	4.36	
38	Byers	D/U	35.00	4.36	
39	Caln	D/U	35.00	4.36	
40	Chandler	D/U	35.00	4.36	

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo., Da., Yr.)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
1.50	1					1
2.50	1					2
1.50	1					3
10.00	4					4
10.00	2					5
12.50	5					6
2.50	1					7
10.00	4					8
60.00	2					9
80.00	1					10
90.00	1					11
1.50	1					12
1.50	1					13
2.50	1					14
2.50	1					15
80.00	1					16
90.00	1					17
1.50	1					18
2.50	1					19
12.50	5					20
						21
						22
440.00	4					23
300.00	1					24
						25
						26
150.00	2					27
5.00	2					28
1.50	1					29
1.50	1					30
1.50	1					31
5.00	2					32
						33
2.50	1					34
2.50	1					35
180.00	2					36
1.50	1					37
1.50	1					38
2.50	1					39
2.50	1					40

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Charlton	D/U	35.00	4.36	
2	Clay	D/U	230.00	35.00	
3	Coatesville	D/U	35.00	4.36	
4	Cochranville	D/U	230.00	35.00	
5	Cornog	D/U	35.00	4.36	
6	Crest	D/U	35.00	4.36	
7	Devault	D/U	35.00	4.36	
8	Devon	D/U	35.00	4.36	
9	Doe Run	D/U	35.00	4.36	
10	Downingtown	D/U	35.00	4.36	
11	Eagle	D/U	35.00	4.36	
12	Elkview	D/U	35.00	4.36	
13	Ellis	D/U	35.00	4.36	
14	Exton	D/U	35.00	4.36	
15	Faggs	D/U	35.00	4.36	
16	Frazer	D/U	35.00	4.36	
17	Gap	D/U	35.00	4.36	
18	Golf	D/U	35.00	4.36	
19	Goshen	D/U	69.00	35.00	
20	Green Hill	D/U	35.00	4.36	
21	Grove	D/U	35.00	4.36	
22	Hamorton	D/U	35.00	4.36	
23	Hamorton	D/U	35.00	4.36	
24	Harmony	D/U	35.00	4.36	
25	Hayes	D/U	35.00	4.36	
26	Highland	D/U	35.00	4.36	
27	Hollow	D/U	35.00	4.36	
28	Hopewell	D/U	35.00	4.36	
29	Howell	D/U	35.00	4.36	
30	Jennersville	D/U	230.00	35.00	
31	Kaolin	D/U	35.00	4.36	
32	Kelton	D/U	35.00	4.36	
33	Kemble	D/U	35.00	4.36	
34	Kenil	D/U	35.00	4.36	
35	Kennett Square	D/U	35.00	4.36	
36	Kimberton	D/U	35.00	4.36	
37	Kleyona	D/U	35.00	4.36	
38	Landenberg	D/U	35.00	4.36	
39	Lemon	D/U	35.00	4.36	
40	Lemon	D/U	35.00	4.36	

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity. of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
2.50	1					1
90.00	1					2
10.00	4					3
21.00	1					4
5.00	2					5
2.50	1					6
3.00	2					7
5.00	2					8
2.50	1					9
7.50	3					10
2.50	1					11
5.00	2					12
12.50	5					13
1.50	1					14
2.00	2					15
5.00	2					16
2.50	1					17
7.50	3					18
50.00	2					19
2.50	1					20
2.50	1					21
2.50	1					22
1.50	1					23
17.50	7					24
1.50	1					25
2.50	1					26
2.50	1					27
1.00	1					28
2.50	2					29
21.00	1					30
7.50	3					31
2.50	1					32
3.00	2					33
2.50	1					34
15.00	6					35
7.50	3					36
10.00	4					37
2.50	1					38
1.50	1					39
1.00	1					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Lenape	D/U	35.00	4.36	
2	Lenape	D/U	230.00	35.00	
3	Leopard	D/U	35.00	4.36	
4	Lime	D/U	35.00	4.36	
5	Linfield	D/U	35.00	4.36	
6	London	D/U	35.00	4.36	
7	London	D/U	35.00	4.36	
8	Ludwig	D/U	35.00	4.36	
9	Lyndell	D/U	35.00	4.36	
10	Malvern	D/U	35.00	4.36	
11	Manor	D/U	35.00	4.36	
12	Marshallton	D/U	35.00	4.36	
13	Marshallton	D/U	35.00	4.36	
14	Matthews	D/U	35.00	4.36	
15	Modena	D/U	35.00	4.36	
16	Newlinville	D/U	230.00	35.00	
17	Newlinville	D/U	35.00	4.36	
18	Norco	D/U	35.00	4.36	
19	North Oxford	D/U	35.00	4.36	
20	North Oxford	D/U	35.00	4.36	
21	Nottingham	D/U	230.00	35.00	
22	Nottingham	D/U	35.00	4.36	
23	Nottingham	D/U	35.00	4.36	
24	Olive	D/U	35.00	4.36	
25	Oxford (w)	D/U	35.00	4.36	
26	Page	D/U	35.00	4.36	
27	Paoli	D/U	35.00	4.36	
28	Parkesburg	D/U	35.00	4.36	
29	Parkesburg	D/U	35.00	4.36	
30	Pennsbury	D/U	35.00	4.36	
31	Phoenixville	D/U	35.00	4.36	
32	Pickering	D/U	35.00	4.36	
33	Pikeland	D/U	35.00	4.36	
34	Planebrook	D/U	35.00	4.36	
35	Planebrook	D/U	230.00	35.00	
36	Planebrook	D/U	230.00	35.00	
37	Planebrook	D/U	230.00	35.00	
38	Planebrook	D/U	230.00	69.00	
39	Pocopson	D/U	35.00	4.36	
40	Porters Mill	D/U	35.00	4.36	

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In Mva) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In Mva) (k)	
2.50	1					1
90.00	1					2
7.50	3					3
1.50	1					4
2.50	1					5
1.50	1					6
1.00	1					7
1.50	1					8
1.50	1					9
10.00	4					10
4.00	2					11
2.50	1					12
1.50	1					13
2.50	1					14
1.00	1					15
160.00	2					16
2.50	1					17
7.50	3					18
1.50	1					19
2.50	1					20
40.00	1					21
2.50	1					22
1.50	1					23
5.50	3					24
3.00	2					25
2.50	1					26
10.00	4					27
2.50	1					28
1.50	1					29
1.50	1					30
20.00	8					31
5.00	2					32
2.50	1					33
2.50	1					34
300.00	2					35
168.00	1					36
100.00	1					37
						38
2.50	1					39
2.50	1					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Porters Mill	D/U	35.00	4.36	
2	Regent	D/U	35.00	4.36	
3	Sadsbury	D/U	35.00	4.36	
4	Sheeder	D/U	35.00	4.36	
5	Ship	D/U	35.00	4.36	
6	Snowden	D/U	35.00	4.36	
7	Spring City	D/U	35.00	4.36	
8	Spring City	D/U	35.00	4.36	
9	Stottsville	D/U	35.00	4.36	
10	Street	D/U	35.00	4.36	
11	Sugartown	D/U	35.00	4.36	
12	Thorndale	D/U	35.00	4.36	
13	Thorndale	D/U	35.00	4.36	
14	Tokena	D/U	35.00	4.36	
15	Tredyffrin	D/U	230.00	13.80	
16	Uwchlan	D/U	35.00	4.36	
17	Uwchlan	D/U	35.00	4.36	
18	Wagontown	D/U	35.00	4.36	
19	Wallace	D/U	35.00	4.36	
20	West Chester	D/U	35.00	4.36	
21	West Grove	D/U	35.00	4.36	
22	Westtown	D/U	35.00	4.36	
23	Wicker	D/U	35.00	4.36	
24	Willis	D/U	35.00	4.36	
25	Willowdale	D/U	35.00	4.36	
26	Willowdale	D/U	35.00	4.36	
27					
28	Chester Division (Transmission)				
29	Cromby	T/**	138.00	69.00	
30	Cromby	T/**	230.00	69.00	
31	Cromby	T/**	69.00	20.00	
32	Cromby	T/**	138.00	20.00	
33	Bradford	T/U	230.00	138.00	
34	Newlinville	T/U	230.00	138.00	
35					
36	Delaware Division (Distribution)				
37	Lamokin Conv.	D/A			
38	Eddystone	D/U	138.00	13.80	
39	Ardmore	D/U	35.00	4.36	
40	Bala	D/U	13.80	4.36	

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity. of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
1.50	1					1
1.50	1					2
2.50	1					3
1.50	1					4
2.50	1					5
2.50	1					6
3.00	1					7
2.50	1					8
1.50	1					9
2.50	1					10
2.50	1					11
5.00	2					12
1.50	1					13
3.00	2					14
60.00	2					15
3.00	2					16
2.50	1					17
2.50	1					18
2.50	1					19
5.00	2					20
3.00	2					21
1.50	1					22
4.00	2					23
1.50	1					24
2.50	1					25
1.50	1					26
						27
						28
170.00	2					29
350.00	2					30
210.00	2					31
240.00	2					32
200.00	1					33
200.00	2					34
						35
						36
45.00	3					37
80.00	2					38
10.00	4					39
20.00	2					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Bala	D/U	230.00	13.80	
2	Bethel	D/U	35.00	4.36	
3	Bethel	D/U	35.00	4.36	
4	Bluebell	D/U	69.00	13.80	
5	Booth	D/U	13.80	4.36	
6	Broomall	D/U	35.00	4.36	
7	Broomall	D/U	35.00	13.80	
8	Bryn Mawr	D/U	138.00	35.00	
9	Bryn Mawr	D/U	138.00	35.00	
10	Bryn Mawr	D/U	35.00	4.36	
11	Bryn Mawr	D/U	138.00	13.80	
12	Castle	D/U	35.00	4.36	
13	Chadds	D/U	35.00	4.36	
14	Chester	D/U	35.00	13.80	
15	Chichester	D/U	69.00	13.80	
16	Chichester	D/U	230.00	13.60	
17	Clifton	D/U	35.00	4.36	
18	Clifton	D/U	35.00	4.36	
19	Colwyn	D/U	35.00	4.36	
20	Colwyn	D/U	35.00	13.80	
21	Concord	D/U	230.00	35.00	
22	Concord	D/U	35.00	4.36	
23	Creek	D/U	35.00	4.36	
24	Crum Lynne	D/U	35.00	13.80	
25	Diltown	D/U	35.00	4.36	
26	Dutton	D/U	35.00	4.36	
27	Edgemont	D/U	35.00	4.36	
28	Edgemont	D/U	35.00	13.80	
29	Faulk	D/U	35.00	4.36	
30	Foulk	D/U	230.00	13.80	
31	Front	D/U	13.80	4.36	
32	Garrett	D/U	35.00	4.36	
33	Gladwyne	D/U	35.00	4.36	
34	Gladwyne	D/U	35.00	13.80	
35	Grady	D/U	35.00	4.36	
36	Hagys	D/U	13.80	4.36	
37	Hagys	D/U	13.80	4.36	
38	Harvey	D/U	35.00	4.36	
39	Hunt	D/U	35.00	13.80	
40	Keystone	D/U	35.00	4.36	

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
110.00	2					1
3.00	2					2
2.50	1					3
168.00	2					4
7.50	3					5
7.50	3					6
5.00	1					7
80.00	1					8
70.00	1					9
10.00	4					10
110.00	2					11
2.50	1					12
2.50	1					13
80.00	2					14
80.00	2					15
110.00	2					16
5.00	2					17
4.50	3					18
3.00	2					19
10.00	2					20
160.00	2					21
5.00	2					22
2.50	1					23
5.00	1					24
5.00	2					25
10.00	4					26
7.50	3					27
5.00	1					28
2.50	1					29
60.00	2					30
5.00	2					31
12.50	5					32
1.50	1					33
5.00	1					34
2.50	1					35
5.00	2					36
2.25	1					37
5.00	2					38
5.00	1					39
13.33	1					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Keystone	D/U	35.00	4.36	
2	Knowlton	D/U	35.00	4.36	
3	Lanokin	D/U	13.80	4.36	
4	Larchmont	D/U	35.00	4.36	
5	Lester	D/U	13.80	4.36	
6	Llanerch	D/U	35.00	4.36	
7	Llanerch	D/U	138.00	35.00	
8	Llanerch	D/U	138.00	35.00	
9	Llanerch	D/U	138.00	13.80	
10	Llanerch	D/U	138.00	13.60	
11	Macdade	D/U	230.00	13.80	
12	Macdade	D/U	230.00	13.80	
13	Marcus Hook	D/U	69.00	13.80	
14	Marple	D/U	35.00	4.36	
15	Marple	D/U	35.00	13.80	
16	Media	D/U	35.00	4.36	
17	Media	D/U	35.00	13.80	
18	Middletown	D/U	230.00	13.80	
19	Middletown	D/U	230.00	35.00	
20	Middletown	D/U	230.00	69.00	
21	Monroe	D/U	35.00	4.36	
22	Morton	D/U	230.00	13.80	
23	Morton	D/U	35.00	4.36	
24	Morton	D/U	230.00	13.80	
25	Morton	D/U	35.00	4.36	
26	Oakmont	D/U	35.00	4.36	
27	Prospect	D/U	35.00	4.36	
28	Riddle	D/U	35.00	4.36	
29	Saville	D/U	138.00	13.80	
30	Scott	D/U	35.00	4.36	
31	Secane	D/U	35.00	13.80	
32	Sharon Hill	D/U	69.00	35.00	
33	Sharon Hill	D/U	35.00	4.36	
34	Smithbridge	D/U	35.00	4.36	
35	Springfield	D/U	35.00	4.36	
36	Springfield	D/U	35.00	4.36	
37	Sproul	D/U	35.00	4.36	
38	Tanguy	D/U	35.00	4.36	
39	Thomson	D/U	35.00	4.36	
40	Thomson	D/U	35.00	13.80	

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
10.00	1					1
10.00	4					2
4.50	2					3
10.00	4					4
7.50	3					5
11.24	2					6
70.00	1					7
80.00	1					8
165.00	3					9
55.00	1					10
62.00	1					11
55.00	1					12
40.00	2					13
15.00	6					14
5.00	1					15
5.00	2					16
5.00	1					17
124.00	2					18
80.00	1					19
100.00	1					20
15.00	6					21
124.00	2					22
7.50	3					23
						24
						25
12.50	5					26
7.50	3					27
2.50	1					28
110.00	2					29
3.00	2					30
17.50	6					31
40.00	1					32
2.50	1					33
2.50	1					34
10.00	4					35
3.00	2					36
10.00	4					37
1.50	1					38
10.00	4					39
5.00	1					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Upper Darby	D/U	35.00	4.36	
2	Upper Darby	D/U	35.00	4.36	
3	Upper Darby	D/U	69.00	35.00	
4	Upper Darby	D/U	69.00	13.80	
5	Wawa	D/U	35.00	4.36	
6	Wayne	D/U	35.00	13.80	
7	Westgate	D/U	35.00	4.36	
8	Woodlyn	D/U	69.00	35.00	
9	Woodlyn	D/U	35.00	13.80	
10	Wynnewood	D/U	35.00	4.36	
11	Yeadon	D/U	35.00	13.80	
12					
13	Delaware Division (Transmission)				
14	Eddystone	T/**	230.00	23.40	
15	Eddystone	T/**	138.00	69.00	
16	Eddystone	T/**	230.00	138.00	
17	Eddystone	T/**	138.00	20.00	
18	Eddystone	T/**	138.00	13.80	
19	Eddystone	T/**	230.00	13.80	
20	Chester	T/U	69.00	13.80	
21	Chester	T/U	69.00	13.80	
22	Chichester	T/U	138.00	69.00	
23	Chichester	T/U	230.00	138.00	
24	LLanerch	T/U	138.00	69.00	
25	Woodlyn	T/U	138.00	69.00	
26					
27	MONTGOMERY DIVISION (DISTRIBUTION)				
28	Abington	D/U	35.00	4.36	
29	Acorn	D/U	35.00	4.36	
30	Airy	D/U	35.00	4.36	
31	Airy	D/U	35.00	13.80	
32	Allen	D/U	35.00	4.36	
33	Ambler	D/U	35.00	4.36	
34	Audubon	D/U	35.00	4.36	
35	Barbadoes	D/U	230.00	35.00	
36	Barbadoes	D/U	230.00	35.00	
37	Beidler	D/U	35.00	13.80	
38	Belmont	D/U	35.00	4.36	
39	Berks	D/U	35.00	4.36	
40	Bethayres	D/U	35.00	4.36	

Name of Respondent
PECO Energy Company

This Report Is:
(1) [] An Original
(2) [x] A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
12.50	1					1
26.66	2					2
40.00	1					3
110.00	2					4
2.50	1					5
80.00	2					6
2.50	1					7
160.00	2					8
5.00	1					9
18.00	3					10
5.00	1					11
						12
						13
880.00	2					14
100.00	1					15
280.00	1					16
800.00	4					17
40.00	2					18
37.50	1					19
40.00	2					20
60.00	1					21
200.00	2					22
300.00	1					23
100.00	1					24
200.00	2					25
						26
						27
15.00	6					28
2.50	1					29
7.50	3					30
5.00	1					31
5.00	2					32
7.50	3					33
12.50	5					34
165.00	1					35
90.00	1					36
5.00	1					37
12.50	5					38
2.50	1					39
5.00	2					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In Mva)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Bethayres	D/U	35.00	13.80	
2	Bridgeport	D/U	35.00	4.36	
3	Cabot	D/U	35.00	4.36	
4	Cabot	D/U	35.00	13.80	
5	Carmel	D/U	35.00	4.36	
6	Clemens	D/U	35.00	4.36	
7	Collegeville	D/U	35.00	4.36	
8	Colmar	D/U	35.00	4.36	
9	County Line	D/U	35.00	4.36	
10	Creamery	D/U	35.00	4.36	
11	Crusher	D/U	35.00	4.36	
12	Davisville	D/U	35.00	4.36	
13	Elkins Park	D/U	35.00	4.36	
14	Evans	D/U	35.00	4.36	
15	Fair	D/U	35.00	4.36	
16	Flint	D/U	230.00	13.80	
17	Forrest	D/U	35.00	4.36	
18	Hanover	D/U	35.00	4.36	
19	Hatboro	D/U	35.00	4.36	
20	Hatboro	D/U	35.00	13.80	
21	Heaton	D/U	138.00	35.00	
22	Heaton	D/U	138.00	35.00	
23	Heaton	D/U	138.00	13.80	
24	Heaton	D/U	230.00	13.80	
25	Heaton	D/U	230.00	13.80	
26	Henderson	D/U	35.00	4.36	
27	Holiday	D/U	35.00	4.36	
28	Horsham	D/U	35.00	4.36	
29	Jarrett	D/U	230.00	13.80	
30	Jeffersonville	D/U	35.00	4.36	
31	Jenkintown	D/U	230.00	35.00	
32	Jenkintown	D/U	230.00	13.80	
33	Keith	D/U	35.00	4.36	
34	King	D/U	35.00	4.36	
35	Kulps	D/U	35.00	4.36	
36	Kulps	D/U	35.00	4.36	
37	Lane	D/U	35.00	4.36	
38	Lantern	D/U	35.00	4.36	
39	Lederach	D/U	35.00	4.36	
40	Lewis	D/U	35.00	4.36	

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
5.00	1					1
10.00	4					2
15.00	6					3
10.00	2					4
10.00	4					5
2.50	1					6
5.00	2					7
5.00	2					8
17.50	7					9
2.50	1					10
2.50	1					11
17.50	7					12
9.37	1					13
5.00	2					14
10.00	4					15
124.00	2					16
12.50	5					17
10.00	4					18
15.00	2					19
5.00	1					20
80.00	1					21
70.00	1					22
220.00	4					23
200.00	1					24
						25
5.00	2					26
2.50	1					27
7.50	3					28
124.00	2					29
12.50	5					30
80.00	1					31
165.00	3					32
2.50	1					33
10.00	4					34
5.00	2					35
3.00	2					36
5.00	2					37
2.50	1					38
6.00	4					39
2.50	1					40

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Lewis	D/U	35.00	4.36	
2	Lincoln	D/U	35.00	4.36	
3	Mainland	D/U	35.00	4.36	
4	Maple Hill	D/U	35.00	4.36	
5	Markley	D/U	35.00	4.36	
6	Markley	D/U	35.00	13.80	
7	Mont Clare	D/U	35.00	4.36	
8	Montgomery	D/U	35.00	4.36	
9	Morewood	D/U	35.00	4.36	
10	Moser	D/U	69.00	35.00	
11	Moser	D/U	35.00	13.80	
12	Moser	D/U	35.00	4.36	
13	Moser	D/U	35.00	4.36	
14	Norristown	D/U	35.00	4.36	
15	North Wales	D/U	230.00	35.00	
16	North Wales	D/U	230.00	35.00	
17	North Wales	D/U	35.00	4.36	
18	Oaks	D/U	35.00	4.36	
19	Penllyn	D/U	35.00	4.36	
20	Perkiomen	D/U	138.00	35.00	
21	Perkiomen	D/U	230.00	35.00	
22	Plymouth Meeting	D/U	138.00	35.00	
23	Plymouth Meeting	D/U	230.00	13.60	
24	Plymouth Meeting	D/U	230.00	13.80	
25	Plymouth Meeting	D/U	230.00	13.80	
26	Point	D/U	35.00	4.36	
27	Poplar	D/U	35.00	4.36	
28	Rahns	D/U	35.00	4.36	
29	Royersford	D/U	35.00	4.36	
30	Royersford	D/U	35.00	4.36	
31	Salford	D/U	35.00	4.36	
32	Sanatoga	D/U	35.00	4.36	
33	Schwenksville	D/U	35.00	4.36	
34	Stowe	D/U	35.00	4.36	
35	Stump	D/U	35.00	4.36	
36	Trappe	D/U	35.00	4.36	
37	Trooper	D/U	35.00	4.36	
38	Upper Marion	D/U	230.00	35.00	
39	Upper Marion	D/U	230.00	13.60	
40	Vaughn	D/U	35.00	4.36	

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity. of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
1.50	1					1
9.00	6					2
2.50	1					3
2.50	1					4
7.50	3					5
5.00	1					6
2.50	1					7
2.50	1					8
2.50	1					9
120.00	3					10
65.00	1					11
1.50	1					12
5.00	2					13
26.66	2					14
80.00	1					15
330.00	2					16
15.00	6					17
2.50	1					18
10.00	4					19
140.00	2					20
168.00	1					21
80.00	1					22
55.00	1					23
62.00	1					24
55.00	1					25
5.00	2					26
12.50	5					27
2.50	1					28
5.00	2					29
4.50	3					30
1.50	1					31
1.50	1					32
5.00	2					33
7.50	3					34
5.00	2					35
5.00	2					36
7.50	3					37
330.00	2					38
124.00	2					39
2.50	1					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVa except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVa)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Washington SQ.	D/U	35.00	4.36	
2	Welsh	D/U	35.00	4.36	
3	Wentz	D/U	35.00	4.36	
4	Westover	D/U	35.00	4.36	
5	Whitemarsh	D/U	230.00	13.80	
6	Whitemarsh	D/U	69.00	35.00	
7	Woxall	D/U	35.00	4.36	
8	Wyncote	D/U	35.00	4.36	
9	Montgomery Division (Transmission)				
10	Limerick	T/**	35.00	13.80	
11	Limerick	T/**	22.00	220.00	
12	Limerick	T/**	230.00	13.80	
13	Limerick	T/**	500.00	20.90	
14	Limerick	T/**	500.00	230.00	
15	Plymouth Meeting	T/U	230.00	138.00	
16	Whitemarsh	T/U	230.00	69.00	
17	Whitpain	T/U	500.00	230.00	
18					
19	Philadelphia Division (North)				
20	Richmond Conv.	D/A			
21	Somerset Conv.	D/A			
22	Richmond	D/U	230.00	13.80	
23	Allegheny	D/U	13.80	2.52	
24	Ashton	D/U	13.80	4.36	
25	Beach	D/U	13.80	2.52	
26	Benner	D/U	13.80	4.36	
27	Blue Grass	D/U	138.00	13.60	
28	Blue Grass	D/U	138.00	13.80	
29	Burholme	D/U	69.00	13.80	
30	Burholme	D/U	13.80	4.36	
31	Bustleton	D/U	13.80	4.36	
32	Byberry	D/U	138.00	35.00	
33	Byberry	D/U	138.00	13.60	
34	Byberry	D/U	138.00	13.60	
35	Carlisle	D/U	13.80	2.52	
36	Cedarbrook	D/U	69.00	13.80	
37	Cedarbrook	D/U	13.80	4.36	
38	Chestnut Hill	D/U	13.80	4.36	
39	Columbia	D/U	13.80	2.52	
40	Crescentville	D/U	138.00	13.80	

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In Mva) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In Mva) (k)	
7.50	5					1
5.00	2					2
1.50	1					3
2.50	1					4
110.00	2					5
40.00	1					6
1.50	1					7
20.00	2					8
						9
3.75	1					10
1,161.00	3					11
55.00	1					12
1,164.00	3					13
840.00	2					14
200.00	1					15
105.00	1					16
1,950.00	3					17
						18
						19
60.00	2					20
18.00	3					21
165.00	3					22
21.00	3					23
7.50	3					24
3.00	2					25
30.00	3					26
110.00	2					27
120.00	3					28
120.00	6					29
37.50	3					30
5.00	2					31
70.00	1					32
165.00	3					33
124.00	2					34
14.00	2					35
160.00	4					36
25.00	2					37
30.00	3					38
4.50	3					39
160.00	4					40

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Crescentville	D/U	138.00	13.60	
2	Crescentville	D/U	138.00	13.60	
3	Fox Chase	D/U	138.00	13.80	
4	Gaul	D/U	13.80	2.52	
5	Germantown	D/U	13.80	4.36	
6	Holmesburg	D/U	69.00	13.80	
7	Holmesburg	D/U	138.00	13.80	
8	Holmesburg	D/U	13.80	4.36	
9	Hunting Park	D/U	13.80	4.36	
10	Hunting Park	D/U	69.00	13.80	
11	Indiana	D/U	13.80	2.52	
12	Kerbaugh	D/U	13.80	4.36	
13	Logan	D/U	13.80	4.36	
14	Longshore	D/U	13.80	4.36	
15	Loretto	D/U	13.80	4.36	
16	Luzerne	D/U	13.80	4.36	
17	Main	D/U	13.80	4.36	
18	Manayunk	D/U	13.80	4.36	
19	Morris	D/U	13.80	4.36	
20	Nice	D/U	13.80	2.52	
21	North Phila.	D/U	69.00	13.80	
22	Orthodox	D/U	13.80	2.52	
23	Oxford	D/U	13.80	2.52	
24	Pencoyd	D/U	69.00	13.80	
25	Pencoyd	D/U	69.00	13.80	
26	Pencoyd	D/U	13.80	4.36	
27	Pike	D/U	13.80	4.36	
28	Pulaski	D/U	230.00	13.60	
29	Richmond	D/U	230.00	13.80	
30	Rockwell	D/U	13.80	4.36	
31	Roxborough	D/U	69.00	13.80	
32	Salmon	D/U	13.80	2.52	
33	Sedgley	D/U	13.80	2.52	
34	Somerset	D/U	13.80	2.52	
35	Spencer	D/U	13.80	4.36	
36	State	D/U	13.80	4.36	
37	Susquehanna (P)	D/U	13.80	2.52	
38	Tabor	D/U	230.00	13.80	
39	Tackawanna	D/U	13.80	2.52	
40	Tacony	D/U	69.00	13.80	

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity. of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
55.00	1					1
55.00	1					2
110.00	2					3
6.00	4					4
30.00	3					5
40.00	2					6
110.00	2					7
15.00	6					8
33.75	3					9
40.00	4					10
21.00	3					11
20.00	2					12
30.00	3					13
37.50	3					14
20.00	2					15
15.00	6					16
2.25	1					17
2.50	1					18
30.00	3					19
3.00	2					20
160.00	4					21
1.50	1					22
30.00	4					23
40.00	2					24
80.00	2					25
5.00	2					26
20.00	2					27
110.00	2					28
165.00	3					29
7.50	3					30
80.00	2					31
21.00	14					32
1.50	1					33
12.00	8					34
30.00	3					35
10.00	4					36
30.00	4					37
110.00	2					38
14.00	2					39
80.00	2					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Tacony	D/U	13.80	4.36	
2	Tulip	D/U	13.80	2.52	
3	Venango	D/U	13.80	2.52	
4	Waneeta	D/U	230.00	13.60	
5	West Oak Lane	D/U	13.80	4.36	
6	Westmoreland	D/U	69.00	13.80	
7	Westmoreland	D/U	69.00	13.80	
8	Whitaker	D/U	13.80	4.36	
9	Wigard	D/U	13.80	4.36	
10	Windrim	D/U	13.80	4.36	
11	Wissinoming	D/U	13.80	2.52	
12	Wister	D/U	13.80	4.36	
13	York	D/U	13.80	2.52	
14	Philadelphia Division (North) Transmission				
15	Delaware	T/**	69.00	13.80	
16	Delaware	T/**	138.00	13.80	
17	Richmond	T/**	69.00	13.80	
18	Richmond	T/**	69.00	13.80	
19	Richmond	T/**	220.00	13.20	
20	Richmond	T/**	220.00	13.20	
21	Byberry	T/U	138.00	69.00	
22	Byberry	T/U	230.00	138.00	
23	Holmesburg	T/U	230.00	138.00	
24	Holmesburg	T/U	138.00	69.00	
25	Master	T/U	138.00	69.00	
26	Master	T/U	230.00	138.00	
27	Master	T/U	138.00	69.00	
28	North Phila.	T/U	230.00	69.00	
29	Roxborough	T/U	230.00	69.00	
30	Waneeta	T/U	230.00	138.00	
31					
32	Philadelphia Division (South) Distribution				
33	Angora	D/U	69.00	13.80	
34	Angora	D/U	13.80	4.36	
35	Bucknell	D/U	13.80	4.36	
36	Callowhill	D/U	138.00	13.80	
37	Callowhill	D/U	138.00	13.80	
38	Callowhill	D/U	138.00	13.80	
39	Callowhill	D/U	13.80	2.52	
40	Callowhill	D/U	13.80	2.52	

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

Capacity of Substation (In Service) (In Mva) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In Mva) (k)	
10.00	4					1
1.50	1					2
1.50	1					3
110.00	2					4
37.50	3					5
40.00	1					6
150.00	2					7
2.50	1					8
10.00	4					9
5.00	2					10
3.00	2					11
2.50	1					12
21.00	3					13
						14
110.00	1					15
110.00	1					16
75.00	1					17
100.00	1					18
60.00	1					19
120.00	1					20
100.00	2					21
300.00	1					22
200.00	1					23
100.00	1					24
200.00	2					25
300.00	1					26
100.00	2					27
200.00	2					28
110.00	1					29
300.00	1					30
						31
						32
80.00	2					33
30.00	3					34
2.50	1					35
160.00	4					36
45.00	1					37
165.00	3					38
12.50	1					39
10.00	1					40

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Elmwood	D/U	230.00	13.80	
2	Ferry	D/U	13.80	4.36	
3	Grays Ferry	D/U	230.00	13.80	
4	Grays Ferry	D/U	230.00	13.80	
5	Island Road	D/U	69.00	13.80	
6	Island Road	D/U	69.00	13.80	
7	Island Road	D/U	230.00	13.80	
8	Island Road	D/U	13.80	4.36	
9	Johnston	D/U	13.80	4.36	
10	Laurel	D/U	13.80	2.52	
11	Lawrence	D/U	13.80	4.36	
12	Lombard	D/U	69.00	13.60	
13	Lombard	D/U	69.00	13.80	
14	Lombard	D/U	13.80	2.52	
15	Ludlow	D/U	13.80	2.52	
16	Mall	D/U	13.80	2.52	
17	Oregon	D/U	13.80	4.36	
18	Overbrook	D/U	35.00	4.36	
19	Overbrook	D/U	35.00	13.80	
20	Packer	D/U	69.00	13.80	
21	Parrish	D/U	230.00	13.80	
22	Parrish	D/U	230.00	13.60	
23	Passyunk	D/U	69.00	13.80	
24	Passyunk	D/U	69.00	13.60	
25	Penn	D/U	69.00	13.80	
26	Pentridge	D/U	13.80	4.36	
27	Pentridge	D/U	13.80	4.36	
28	Powelton	D/U	13.80	4.36	
29	Race	D/U	13.80	4.36	
30	Sherwood	D/U	35.00	4.36	
31	Snyder	D/U	13.80	4.36	
32	Spring Garden	D/U	13.80	2.52	
33	Spruce	D/U	13.80	2.52	
34	Taylor	D/U	13.80	2.52	
35	University	D/U	69.00	13.60	
36	Waverly	D/U	13.80	2.52	
37	Philadelphia Division (South) Transmission				
38	Schuylkill	T/**	69.00	13.80	
39	Schuylkill	T/**	69.00	13.80	
40	Schuylkill	T/**	230.00	69.00	

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In Mva) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In Mva) (k)	
110.00	2					1
5.00	2					2
110.00	2					3
62.00	1					4
80.00	2					5
40.00	2					6
124.00	2					7
5.00	2					8
15.00	6					9
12.00	8					10
10.00	4					11
40.00	1					12
200.00	5					13
19.34	2					14
37.50	5					15
30.00	4					16
30.00	3					17
22.50	3					18
5.00	1					19
80.00	2					20
110.00	2					21
55.00	1					22
200.00	5					23
40.00	1					24
160.00	4					25
15.00	6					26
1.50	1					27
45.00	4					28
45.00	4					29
20.00	2					30
14.50	6					31
21.00	3					32
30.00	4					33
3.00	2					34
80.00	2					35
30.00	4					36
						37
150.00	2					38
120.00	2					39
600.00	2					40

Name of Respondent PECO Energy Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 12/31/96	Year of Report Dec. 31, 1996
---	---	--	---------------------------------

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve only one industrial or street railway customer should not be listed below.

3. Substations with capacities of less than 10 MVA except those serving customers with energy for

resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	Schuylkill	T/**	69.00	13.80	
2	Island Road	T/U	230.00	69.00	
3	Passyunk	T/U	230.00	69.00	
4	Southwark	T/U	69.00	13.80	
5	Southwark	T/U	69.00	13.80	
6					
7	York County Division (Distribution)				
8	Delta	D/U	35.00	4.36	
9	Fin	D/U	35.00	4.36	
10	Slate	D/U	35.00	4.36	
11	Sunnyburn	D/U	35.00	4.36	
12					
13	York County Division (Transmission)				
14	Muddy Run	T/**	230.00	13.80	
15	Peach Bottom	T/**	500.00	230.00	
16	Peach Bottom	T/**	500.00	20.90	
17	Peach Bottom	T/**	230.00	13.80	
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

Name of Respondent
PECO Energy Company

This Report Is:
(1) An Original
(2) A Resubmission

Date of Report
(Mo, Da, Yr)
12/31/96

Year of Report
Dec. 31, 1996

SUBSTATIONS (Continued)

5. Show in columns (i),(j),and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name

of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
220.00	2					1
150.00	1					2
136.00	1					3
300.00	3					4
80.00	2					5
						6
						7
2.50	2					8
2.50	2					9
1.00	1					10
2.50	2					11
						12
						13
1,000.00	4					14
1,120.00	1					15
2,340.00	2					16
30.00	1					17
						18
						19
						20
						21
						22
						23
						24
						25
						26
						27
						28
						29
						30
						31
						32
						33
						34
						35
						36
						37
						38
						39
						40

< Page 426 Line 1 Column B >

LEGENDS

COLUMN (b)

D = Distribution

T = Transmission

U = Unattended

A = Attended

** = Attended from adjacent generating station.

ELECTRIC DISTRIBUTION METERS AND LINE TRANSFORMERS

- | | |
|--|--|
| <p>1. Report below the information called for concerning distribution watt-hour meters and line transformers.</p> <p>2. Include watt-hour demand distribution meters, but not external demand meters.</p> <p>3. Show in a footnote the number of distribution watt-hour meters or line transformers held by the respondent under lease from others, jointly owned with others, or held otherwise than by reason of sole ownership by the respondent. If 500 or more meters or line transformers are held under a</p> | <p>Lease, give name of lessor, date and period of lease, and annual rent. If 500 or more meters or line transformers are held other than by reason of sole ownership or lease, give name of co-owner or other parties, explain basis of accounting for expenses between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.</p> |
|--|--|

Line No.	Item (a)	Number of Watt-Hour Meters (b)	LINE TRANSFORMERS	
			Number (c)	Total Capacity (In MVA) (d)
1	Number at Beginning of Year	1,753,573	175,679	12,467
2	Additions During Year			
3	Purchases	52,321	3,732	325
4	Associated with Utility Plant Acquired			
5	TOTAL Additions (Enter Total of Lines 3 and 4)	52,321	3,732	325
6	Reductions During Year			
7	Retirements	18,052	370	26
8	Associated with Utility Plant Sold			
9	TOTAL Reductions (Enter Total of Lines 7 and 8)	18,052	370	26
10	Number at End of Year (Lines 1+5-9)	1,787,842	179,041	12,766
11	In Stock	16,787	935	
12	Locked Meters on Customers' Premises	35,000		
13	Inactive Transformers on System		33	1
14	In Customers' Use	1,735,887	177,703	12,731
15	In Company's Use	168	370	34
16	TOTAL End of Year (Enter Total of Lines 11 to 15. This line should equal line 10.)	1,787,842	179,041	12,766

ENVIRONMENTAL PROTECTION FACILITIES

1. For purposes of this response, environmental protection facilities shall be defined as any building, structure, equipment, facility, or improvement designed and constructed solely for control, reduction, prevention or abatement of discharges or releases into the environment of gaseous, liquid, or solid substances, heat, noise or for the control, reduction, prevention, or abatement of any other adverse impact of an activity on the environment.

2. Report the differences in cost of facilities installed for environmental considerations over the cost of alternative facilities which would otherwise be used without environmental considerations. Use the best engineering design achievable without environmental restrictions as the basis for determining costs without environmental considerations. It is not intended that special design studies be made for purposes of this response. Base the response on the best engineering judgement where direct comparisons are not available.

Include in these differences in costs the costs or estimated costs of environmental protection facilities in service, constructed or modified in connection with the production, transmission, and distribution of electrical energy and shall be reported herein for all such environmental facilities placed in service on or after January 1, 1969, so long as it is readily determinable that such facilities were constructed or modified for environmental rather than operational purposes. Also report similar expenditures for environmental plant included in construction work in progress. Estimate the cost of facilities when the original cost is not available or facilities are jointly owned with another utility, provided the respondent explains the basis of such estimations.

Examples of these costs would include a portion of the costs of tall smokestacks, underground lines, and landscaped substations. Explain such costs in a footnote.

3. In the cost of facilities reported on this page, include an estimated portion of the cost of plant that is or will be used to provide power to operate associated environmental protection facilities. These costs may be estimations on a percentage of plant basis. Explain such estimations in a footnote.

4. Report all costs under the major classifications provided below and include, as a minimum, the items listed hereunder:

- A. Air pollution control facilities:
 - (1) Scrubbers, precipitators, tall smokestacks, etc.
 - (2) Changes necessary to accommodate use of environmentally clean fuels such as low ash

or low sulfur fuels including storage and handling equipment

- (3) Monitoring equipment
- (4) Other.

B. Water pollution control facilities:

- (1) Cooling towers, ponds, piping, pumps, etc.
- (2) Waste water treatment equipment
- (3) Sanitary waste disposal equipment
- (4) Oil interceptors
- (5) Sediment control facilities
- (6) Monitoring equipment
- (7) Other.

C. Solid waste disposal costs:

- (1) Ash handling and disposal equipment
- (2) Land
- (3) Settling ponds
- (4) Other.

D. Noise abatement equipment:

- (1) Structures
- (2) Mufflers
- (3) Sound proofing equipment
- (4) Monitoring equipment
- (5) Other.

E. Esthetic costs:

- (1) Architectural costs
- (2) Towers
- (3) Underground lines
- (4) Landscaping
- (5) Other.

F. Additional plant capacity necessary due to restricted output from existing facilities, or addition of pollution control facilities.

G. Miscellaneous:

- (1) Preparation of environmental reports
- (2) Fish and wildlife plants included in Accounts 330, 331, 332, and 335.
- (3) Parks and related facilities
- (4) Other.

5. In those instances when costs are composites of both actual supportable costs and estimates of costs, specify in column (f) the actual costs that are included in column (e).

6. Report construction work in progress relating to environmental facilities at line 9.

Line No.	Classification of Cost (a)	CHANGES DURING YEAR			Balance at End of Year (e)	Actual Cost (f)
		Additions (b)	Retirements (c)	Adjustments (d)		
1	Air Pollution Control Facilities	\$7,865,235	\$3,186,885		\$1,944,952,139	\$1,944,952,139
2	Water Pollution Control Facilities	3,445,895		(30,864)	476,774,964	476,774,964
3	Solid Waste Disposal Costs				61,665,393	61,665,393
4	Noise Abatement Equipment				3,907,374	3,907,374
5	Esthetic Costs				10,110,038	10,110,038
6	Additional Plant Capacity			(552,162)		
7	Miscellaneous (Identify significant)				431,537	431,537
8	TOTAL (Total of lines 1 thru 7)	\$11,311,130	\$3,186,885	(\$583,026)	\$2,497,841,445	\$2,497,841,445
9	Construction Work in Progress	12,568,308		(5,196,969)	36,830,960	36,830,960

ENVIRONMENTAL PROTECTION EXPENSES

1. Show below expenses incurred in connection with the use of environmental protection facilities, the cost of which are reported on page 430. Where it is necessary that allocations and/or estimates of costs be made, state the basis or method used.

2. Include below the costs incurred due to the operation of environmental protection equipment, facilities, and programs.

3. Report expenses under the subheadings listed below.

4. Under item 6 report the difference in cost between environmentally clean fuels and the alternative fuels that would otherwise be used and are available for use.

5. Under item 7 include the cost of replacement power, purchased or generated, to compensate for the deficiency in output from existing plants due to the addi-

tion of pollution control equipment, use of alternate environmentally preferable fuels or environmental regulations of governmental bodies. Base the price of replacement power purchased on the average system price of purchased power if the actual cost of such replacement power is not known. Price internally generated replacement power at the system average cost of power generated if the actual cost of specific replacement generation is not known.

6. Under item 8 include ad valorem and other taxes assessed directly on or directly relatable to environmental facilities. Also include under item 8 licensing and similar fees on such facilities.

7. In those instances where expenses are composed of both actual supportable data and estimates of costs, specify in column (c) the actual expenses that are included in column (b).

Line No.	Classification of Expenses (a)	Amount (b)	Actual Expenses (c)
1	Depreciation	\$115,233,000	\$115,233,000
2	Labor, Maintenance, Materials, and Supplies Cost Related to Env. Facilities and Programs	23,758,691	23,758,691
3	Fuel Related Costs		
4	Operation of Facilities	7,923,833	7,923,833
5	Fly Ash and Sulfur Sludge Removal	4,075,592	4,075,592
6	Difference in Cost of Environmentally Clean Fuels	8,533,221	8,533,221
7	Replacement Power Costs	4,606,161	4,606,161
8	Taxes and Fees	14,538,107	14,538,107
9	Administrative and General	1,288,250	1,288,250
10	Other (Identify significant)	471,850	471,850
11	TOTAL	\$180,428,705	\$180,428,705

INDEX

<u>Schedule</u>	<u>Page No.</u>
Accrued and prepaid taxes	262-263
Accumulated Deferred Income Taxes	234
Accumulated provisions for depreciation of common utility plant	272-277
utility plant	356
utility plant (summary)	219
Advances from associated companies	200-201
Advances	256-257
Allowances	228-229
Amortization miscellaneous	340
of nuclear fuel	202-203
Appropriations of Retained Earnings	118-119
Associated Companies advances from	256-257
corporations controlled by respondent	103
control over respondent	102
interest on debt to	256-257
Attestation	1
Balance sheet comparative	110-113
notes to	122-123
Bonds	256-257
Capital Stock	251
discount	254
expense	254
installments received	252
premiums	252
reacquired	251
subscribed	252
Cash flows, statement of	120-121
Changes important during year	108-109
Construction overheads, electric	217
overhead procedures, general description of	218
work in progress - common utility plant	356
work in progress - electric	216
work in progress - other utility departments	200-201
Control corporations controlled by respondent	103
over respondent	102
security holders and voting powers	106-107
Corporation controlled by	103
incorporated	101
CPA, background information on	101
CPA Certification, this report form	i-ii

INDEX (Continued)

<u>Schedule</u>	<u>Page No.</u>
Deferred	
credits, other	269
debits, miscellaneous	233
income taxes accumulated - accelerated	
amortization property	272-273
income taxes accumulated - other property	274-275
income taxes accumulated - other	276-277
income taxes accumulated - pollution control facilities	234
Definitions, this report form	iii
Depreciation and amortization	
of common utility plant	356
of electric plant	219
	336-337
Directors	105
Discount on capital stock	254
Discount - premium on long-term debt	256-257
Distribution of salaries and wages	354-355
Dividend appropriations	118-119
Earnings, Retained	118-119
Electric energy account	401
Environmental protection	
expenses	431
facilities	430
Expenses	
electric operation and maintenance	320-323
electric operation and maintenance, summary	323
unamortized debt	256
Extraordinary property losses	230
Filing requirements, this report form	i-ii
General description of construction overhead procedure	218
General information	101
Instructions for filing the FERC Form 1	i-iv
Generating plant statistics	
hydroelectric (large)	406-407
pumped storage (large)	408-409
small plants	410-411
steam-electric (large)	402-403
Hydro-electric generating plant statistics	406-407
Identification	1
Important changes during year	108-109
Income	
statement of, by departments	114-117
statement of, for the year (see also revenues)	114-117
deductions, interest on debt to associated companies	340
deductions, miscellaneous amortization	340
deductions, other income deduction	340
deductions, other interest charges	340
Incorporation information	101
Installments received on capital stock	252

INDEX (Continued)

Schedule	Page No.
Interest	
charges, on debt to associated companies	340
charges, other	340
charges, paid on long-term debt, advances, etc.	256-257
Investments	
nonutility property	221
subsidiary companies	224-225
Investment tax credits, accumulated deferred	266-267
Law, excerpts applicable to this report form	iv
List of schedules, this report form	2-4
Long-term debt	256-257
Losses - Extraordinary property	230
Materials and supplies	227
Meters and line transformers	429
Miscellaneous general expenses	335
Notes	
to balance sheet	122-123
to statement of changes in financial position	122-123
to statement of income	122-123
to statement of retained earnings	122-123
Nonutility property	221
Nuclear fuel materials	202-203
Nuclear generating plant, statistics	402-403
Number of Electric Department Employees	323
Officers and officers' salaries	104
Operating	
expenses - electric	320-323
expenses - electric (summary)	323
Other	
paid-in capital	253
donations received from stockholders	253
gains on resale or cancellation of reacquired	
capital stock	253
miscellaneous paid-in capital	253
reduction in par or stated value of capital stock	253
regulatory assets	232
regulatory liabilities	278
Overhead, construction - electric	217
Peaks, monthly, and output	401
Plant, Common utility	
accumulated provision for depreciation	356
acquisition adjustments	356
allocated to utility departments	356
completed construction not classified	356
construction work in progress	356
expenses	356
held for future use	356
in service	356
leased to others	356
Plant data	217-218
	336-337
	401-429

INDEX (Continued)

Schedule	Page No.
Plant - electric	
accumulated provision for depreciation	219
construction work in progress	216
held for future use	214
in service	204-207
leased to others	213
Plant - utility and accumulated provisions for depreciation	
amortization and depletion (summary)	201
Pollution control facilities, accumulated deferred	
income taxes	234
Power Exchanges	326-327
Premium and discount on long-term debt	256
Premium on capital stock	251
Prepaid taxes	262-263
Property - losses, extraordinary	230
Pumped storage generating plant statistics	408-409
Purchased power (including power exchanges)	326-327
Reacquired capital stock	250
Reacquired long-term debt	256-257
Receivers' certificates	256-257
Reconciliation of reported net income with taxable income	
from Federal income taxes	261
Regulatory commission expenses deferred	233
Regulatory commission expenses for year	350-351
Research, development and demonstration activities	352-353
Retained Earnings	
amortization reserve Federal	119
appropriated	118-119
statement of, for the year	118-119
unappropriated	118-119
Revenues - electric operating	300-301
Salaries and wages	
directors fees	105
distribution of	354-355
officers'	104
Sales of electricity by rate schedules	304
Sales - for resale	310-311
Salvage - nuclear fuel	202-203
Schedules, this report form	2-4
Securities	
exchange registration	250-251
holders and voting powers	106-107
Statement of Cash Flows	120-121
Statement of income for the year	114-117
Statement of retained earnings for the year	118-119
Steam-electric generating plant statistics	402-403
Stock liability for conversion	252
Substations	426
Supplies - materials and	227

INDEX (Continued)

Page No.

Schedule

Taxes		
accrued and prepaid		262-263
charged during year		262-263
on income, deferred and accumulated		234
		272-277
reconciliation of net income with taxable income for		261
Transformers, line - electric		429
Transmission		
lines added during year		424-425
lines statistics		422-423
of electricity for others		328-330
of electricity by others		332
Unamortized		
debt discount		256-257
debt expense		256-257
premium on debt		256-257
Unrecovered Plant and Regulatory Study Costs		230

PECO ENERGY COMPANY ELECTRIC OPERATIONS
 ENERGY COST ADJUSTMENT - STATEMENT NO. 6 - QUARTERLY REPORT NO. 4
 Report for the period ending March 31, 1996
 Summary of Energy Output, Sales, and Costs by Fuel Type
 Sched. 5B: Fuel Costs of Major Units by Fuel Type-- \$\$ -- Page 1 of 2

NUCLEAR	APR95	MAY95	JUN95	JUL95	AUG95	SEP95	OCT95	NOV95	DEC95	JAN96	FEB96	MAR96	TOTAL
Limerick #1	\$3,407,875	\$2,709,031	\$3,417,522	\$3,412,704	\$2,232,367	\$1,418,171	\$3,586,348	\$3,477,093	\$3,515,975	\$3,202,599	\$407,495	\$2,674,862	\$33,492,042
Limerick #2	\$3,472,979	\$3,290,019	\$3,343,093	\$3,611,414	\$3,024,977	\$3,481,359	\$3,691,850	\$3,487,612	\$3,624,588	\$3,593,089	\$3,457,920	\$3,664,756	\$41,743,656
Peach Bottom #2	\$1,423,258	\$1,452,316	\$1,616,994	\$1,919,801	\$1,924,342	\$2,173,573	\$2,267,601	\$1,565,563	\$1,247,165	\$1,703,910	\$1,726,542	\$1,709,733	\$20,730,798
Peach Bottom #3	\$2,446,111	\$2,178,243	\$1,885,726	\$1,458,244	\$1,249,783	\$550,688	\$543,876	\$1,673,464	\$1,841,500	\$2,109,966	\$1,707,584	\$2,118,176	\$19,763,161
Salem #1	\$1,908,132	\$849,913	(\$68,640)	\$77,259	\$66,300	\$66,300	\$85,484	\$85,485	\$85,485	\$85,485	\$85,485	\$85,484	\$3,412,172
Salem #2	\$1,901,095	\$2,319,637	\$44,386	\$68,072	\$49,596	\$49,596	\$63,947	\$63,947	\$63,947	\$63,947	\$63,947	\$63,947	\$4,816,064
Fuel oil	(\$15,393)	(\$2,650)	\$10,236	\$5,568	\$20,647	\$4,197	\$8,143	\$157,514	\$85,169	\$3,145	\$754	\$438	\$277,768
Subtotal	\$14,544,056	\$12,796,509	\$10,249,317	\$10,553,062	\$8,568,012	\$7,743,884	\$10,247,249	\$10,510,678	\$10,493,629	\$10,762,141	\$7,449,727	\$10,317,396	\$124,235,660
MINEMOUTH COAL													
Conemaugh #1,#2	\$2,271,783	\$2,471,312	\$2,681,115	\$2,411,053	\$2,402,884	\$1,489,955	\$1,375,945	\$1,798,323	\$2,630,063	\$2,500,461	\$2,269,129	\$2,543,040	\$26,845,063
Keystone #1,#2	\$2,391,632	\$3,212,196	\$3,199,412	\$3,103,923	\$2,771,812	\$3,136,398	\$3,071,761	\$3,006,002	\$3,498,875	\$3,073,079	\$2,721,637	\$2,016,532	\$35,203,259
Subtotal	\$4,663,415	\$5,683,508	\$5,880,527	\$5,514,976	\$5,174,696	\$4,626,353	\$4,447,706	\$4,804,325	\$6,128,938	\$5,573,540	\$4,990,766	\$4,559,572	\$62,048,322
URBAN COAL													
Eddystone #1,#2	\$2,539,802	\$1,469,824	\$1,258,015	\$678,435	\$1,991,007	\$2,745,709	\$4,132,826	\$4,455,325	\$5,551,908	\$4,757,666	\$4,768,759	\$4,787,101	\$39,136,377
Cromby #1	\$1,104,396	\$949,232	\$999,330	\$1,114,671	\$1,328,377	\$1,212,927	\$1,317,596	\$1,227,439	\$1,407,887	\$1,363,229	\$919,095	\$1,301,277	\$14,245,456
Subtotal	\$3,644,198	\$2,419,056	\$2,257,345	\$1,793,106	\$3,319,384	\$3,958,636	\$5,450,422	\$5,682,764	\$6,959,795	\$6,120,895	\$5,687,854	\$6,088,378	\$53,381,833
No. 6 OIL													
Schuylkill #1		\$567,320	\$0		\$3,747,013	\$115,280	(\$1,292)	\$71	\$1,315,787	\$1,411,346	\$518,159	(\$122,417)	\$7,551,267
Eddystone #3,#4	\$28,476	\$22,233	\$321,315	\$893,348	\$1,368,605	\$328,741	\$313,285	\$588,867	\$3,804,153	\$5,234,084	\$3,809,729	\$1,753,419	\$18,466,255
Cromby #2	\$22,528	\$43,586	\$55,409		\$68,707	\$65,065	\$161,966	\$69,709	\$73,192	\$1,233,916	\$2,084,031	\$1,562,913	\$5,441,022
Delaware #7,#8	\$27,661	\$24,185	\$494,840	\$2,242,208	\$1,586,444	\$118,269		\$1,487	\$1,050,441	\$1,572,827	\$1,457,395	\$1,196,312	\$9,772,069
Subtotal	\$78,665	\$657,324	\$871,564	\$3,135,556	\$6,770,769	\$627,355	\$473,959	\$660,134	\$6,243,573	\$9,452,173	\$7,869,314	\$4,390,227	\$41,230,613
No. 2 OIL													
Schuylkill #1		\$2,285	\$0	\$81,053					\$3,177	\$0	(\$1,133)	\$0	\$85,382
Eddystone #3,#4	\$5,621	\$51,611	\$63,313	\$33,995	\$49,136	\$8,874	\$58,354	\$38,388	\$184,746	\$900,267	\$606,300	\$415,790	\$2,416,395
Cromby #1		\$46,262	\$19,084	\$11,510	\$7,060	\$21,959	\$16,977	\$57,118	\$26,869	\$254,956	\$75,230	\$88,721	\$625,746
Delaware #7,#8	\$13,401	\$12,897	\$18,308	\$19,042	\$10,547	\$6,560	\$11,285	\$39,993	\$65,325	\$85,186	\$57,626	\$3,963	\$344,133
Conemaugh #1,#2	\$5,970	\$3,380	\$545	\$6,590	\$3,959	(\$1,183)		\$22,247	\$2,673	\$9,316	\$8,710	\$5,621	\$67,828
Keystone #1,#2	\$5,232	\$35,154	(\$104,604)	(\$28,443)	\$59,726	(\$4,073)	(\$31,178)	(\$26,550)	(\$111,966)	\$74,253	(\$7,318)	(\$2,232)	(\$141,999)
Subtotal	\$30,224	\$151,589	(\$3,354)	\$123,747	\$130,428	\$32,137	\$55,438	\$131,196	\$170,824	\$1,323,978	\$739,415	\$511,863	\$3,397,485
NATURAL GAS													
Conemaugh #1,#2	\$10,718	\$7,030	\$1,889	\$46,007	\$75,764	\$3,121	\$1,970	\$15,384	\$4,333	\$40,496	\$14,097	\$8,141	\$228,950
Eddystone #1,#2	\$144,653	\$57,298	\$67,604	(\$1,918)	(\$50,124)	(\$27,125)	\$339,035	\$1,382,502	\$554,062	\$966,371	\$822,138	\$118,715	\$4,373,211
Eddystone #3,#4	(\$470,394)	\$3,561,839	\$2,065,251	\$5,735,110	\$5,873,465	\$4,101,788	\$2,747,172	(\$72,026)	\$270,497	\$427,071	(\$28,355)	\$820,275	\$25,031,693
Cromby #2	\$1,230,780	\$1,053,000	\$2,212,230	\$1,899,050	\$1,791,997	\$1,597,994	\$424,555	\$105,719	\$106,576	\$599,079	(\$62,346)	\$673,719	\$11,632,353
Subtotal	\$915,757	\$4,679,167	\$4,346,974	\$7,678,249	\$7,691,102	\$5,675,778	\$3,512,732	\$1,431,579	\$935,468	\$2,033,017	\$745,534	\$1,620,850	\$41,266,207
INTERNAL COMB.													
	\$44,100	\$19,218	\$222,906	\$2,089,238	\$3,815,709	\$582,069	\$345,518	\$852,705	\$1,421,123	\$1,509,209	\$1,250,164	\$1,269,984	\$13,421,943
TOTAL	\$23,920,415	\$26,406,371	\$23,825,279	\$30,887,934	\$35,470,100	\$23,246,212	\$24,533,024	\$24,073,381	\$32,353,350	\$36,774,953	\$28,732,774	\$28,758,270	\$338,982,063

incl. Feb #1
(1,170,476)

Attachment G-6a

PECO ENERGY COMPANY ELECTRIC OPERATIONS
 ENERGY COST ADJUSTMENT - STATEMENT NO. 6 - QUARTERLY REPORT NO. 4

Report for the period ending March 31, 1996

Summary of Energy Output, Sales, and Costs by Fuel Type

Sched. 5B: Fuel Costs of Major Units by Fuel Type-- \$\$ -- Page 1 of 2

NUCLEAR	APR95	MAY95	JUN95	JUL95	AUG95	SEP95	OCT95	NOV95	DEC95	JAN96	FEB96	MAR96	TOTAL
Limerick #1	\$3,407,875	\$2,709,031	\$3,417,522	\$3,412,704	\$2,232,367	\$1,418,171	\$3,586,348	\$3,477,093	\$3,545,975	\$3,202,599	\$407,495	\$2,674,862	\$33,492,042
Limerick #2	\$3,472,979	\$3,290,019	\$3,343,093	\$3,611,414	\$3,024,977	\$3,481,359	\$3,691,850	\$3,487,612	\$3,624,588	\$3,593,089	\$3,457,920	\$3,664,756	\$41,743,656
Peach Bottom #2	\$1,423,258	\$1,432,316	\$1,616,994	\$1,919,801	\$1,924,342	\$2,173,573	\$2,267,601	\$1,565,563	\$1,247,165	\$1,703,910	\$1,726,542	\$1,769,733	\$20,730,798
Peach Bottom #3	\$2,446,111	\$2,178,243	\$1,885,726	\$1,358,244	\$1,249,783	\$550,688	\$543,876	\$1,673,464	\$1,841,300	\$2,109,966	\$1,707,584	\$2,118,176	\$19,763,161
Salem #1	\$1,908,132	\$849,913	(\$68,640)	\$77,259	\$66,300	\$66,300	\$85,484	\$85,485	\$85,485	\$85,485	\$85,485	\$85,484	\$3,412,172
Salem #2	\$1,901,095	\$2,319,637	\$44,386	\$68,072	\$49,596	\$49,596	\$63,947	\$63,947	\$63,947	\$63,947	\$63,947	\$63,947	\$4,816,064
Fuel oil	(\$15,393)	(\$2,650)	\$10,236	\$5,568	\$20,647	\$1,197	\$8,143	\$157,514	\$85,169	\$3,145	\$754	\$438	\$277,768
Subtotal	\$14,544,056	\$12,796,509	\$10,249,317	\$10,553,062	\$8,568,012	\$7,743,884	\$10,247,249	\$10,510,678	\$10,493,629	\$10,762,141	\$7,449,727	\$10,317,396	\$124,235,660
MINEMOUTH COAL													
Conemaugh #1,#2	\$2,271,783	\$2,471,312	\$2,681,115	\$2,411,053	\$2,402,884	\$1,489,955	\$1,375,945	\$1,798,323	\$2,630,063	\$2,500,461	\$2,269,129	\$2,543,040	\$26,845,063
Keystone #1,#2	\$2,391,632	\$3,212,196	\$3,199,412	\$3,103,923	\$2,771,812	\$3,136,398	\$3,071,761	\$3,006,002	\$3,498,875	\$3,073,079	\$2,721,637	\$2,016,532	\$35,203,259
Subtotal	\$4,663,415	\$5,683,508	\$5,880,527	\$5,514,976	\$5,174,696	\$4,626,353	\$4,447,706	\$4,804,325	\$6,128,938	\$5,573,540	\$4,990,766	\$4,559,572	\$62,048,322
URBAN COAL													
Eddystone #1,#2	\$2,539,802	\$1,469,824	\$1,258,015	\$678,435	\$1,991,007	\$2,745,709	\$4,132,826	\$4,455,325	\$5,551,908	\$4,757,666	\$4,768,759	\$4,787,101	\$39,136,377
Croniby #1	\$1,104,396	\$949,232	\$999,330	\$1,114,671	\$1,328,377	\$1,212,927	\$1,317,596	\$1,227,439	\$1,407,887	\$1,363,229	\$919,095	\$1,301,277	\$14,245,456
Subtotal	\$3,644,198	\$2,419,056	\$2,257,345	\$1,793,106	\$3,319,384	\$3,958,636	\$5,450,422	\$5,682,764	\$6,959,795	\$6,120,895	\$5,687,854	\$6,088,378	\$53,381,833
No. 6 OIL													
Schuylkill #1		\$567,320	\$0		\$3,747,013	\$115,280	(\$1,292)	\$71	\$1,315,787	\$1,411,346	\$518,159	(\$122,417)	\$7,551,267
Eddystone #3,#4	\$28,476	\$22,233	\$321,315	\$893,348	\$1,368,605	\$328,741	\$313,285	\$588,867	\$3,804,153	\$5,234,084	\$3,809,729	\$1,753,419	\$18,466,255
Croniby #2	\$22,528	\$43,586	\$55,409		\$68,707	\$65,065	\$161,966	\$69,709	\$73,192	\$1,233,916	\$2,084,031	\$1,562,913	\$5,441,022
Delaware #7,#8	\$27,661	\$24,185	\$494,840	\$2,242,208	\$1,586,444	\$118,269	\$118,269	\$1,487	\$1,050,441	\$1,572,827	\$1,457,395	\$1,196,312	\$9,773,069
Subtotal	\$78,665	\$657,324	\$871,564	\$3,135,556	\$6,770,769	\$627,355	\$473,959	\$660,134	\$6,243,573	\$9,452,173	\$7,869,314	\$4,390,227	\$41,230,613
No. 2 OIL													
Schuylkill #1		\$2,285	\$0	\$81,053					\$3,177	\$0	(\$1,133)	\$0	\$85,382
Eddystone #3,#4	\$5,621	\$51,611	\$63,313	\$33,995	\$49,136	\$8,874	\$58,354	\$38,388	\$184,746	\$900,267	\$606,300	\$415,790	\$2,416,395
Croniby #1		\$46,262	\$19,084	\$11,510	\$7,060	\$21,959	\$16,977	\$57,118	\$26,869	\$254,956	\$75,230	\$88,721	\$625,746
Delaware #7,#8	\$13,401	\$12,897	\$18,308	\$19,042	\$10,547	\$6,560	\$11,285	\$39,993	\$65,325	\$85,186	\$57,626	\$3,963	\$344,133
Conemaugh #1,#2	\$5,970	\$3,380	\$545	\$6,590	\$3,959	(\$1,183)		\$22,247	\$2,673	\$9,316	\$8,710	\$5,621	\$67,828
Keystone #1,#2	\$5,232	\$35,154	(\$104,604)	(\$28,443)	\$59,726	(\$4,073)	(\$31,178)	(\$26,550)	(\$111,966)	\$74,253	(\$7,318)	(\$2,232)	(\$141,999)
Subtotal	\$30,224	\$151,589	(\$3,354)	\$123,747	\$130,428	\$32,137	\$55,438	\$131,196	\$170,824	\$1,323,978	\$739,415	\$511,863	\$3,397,485
NATURAL GAS													
Conemaugh #1,#2	\$10,718	\$7,030	\$1,889	\$46,007	\$75,764	\$3,121	\$1,970	\$15,384	\$4,333	\$40,496	\$14,097	\$8,141	\$228,950
Eddystone #1,#2	\$144,653	\$57,298	\$67,604	(\$1,918)	(\$50,124)	(\$27,125)	\$339,035	\$1,382,502	\$554,062	\$966,371	\$822,138	\$118,715	\$4,373,211
Eddystone #3,#4	(\$470,394)	\$3,561,839	\$2,065,251	\$5,735,110	\$5,873,465	\$4,101,788	\$2,747,172	(\$72,026)	\$270,497	\$427,071	(\$28,355)	\$820,275	\$25,031,693
Croniby #2	\$1,230,780	\$1,053,000	\$2,212,230	\$1,899,050	\$1,791,997	\$1,597,994	\$424,555	\$105,719	\$106,576	\$599,079	(\$62,346)	\$673,719	\$11,632,353
Subtotal	\$915,757	\$4,679,167	\$4,346,974	\$7,678,249	\$7,691,102	\$5,675,778	\$3,512,732	\$1,431,579	\$935,468	\$2,033,017	\$745,534	\$1,620,850	\$41,266,207
INTERNAL COMB.													
	\$44,100	\$19,218	\$222,906	\$2,089,238	\$3,815,709	\$582,069	\$345,518	\$852,705	\$1,421,123	\$1,509,209	\$1,250,164	\$1,269,984	\$13,421,943
TOTAL	\$23,920,415	\$26,406,371	\$23,825,279	\$30,887,934	\$35,470,100	\$23,246,212	\$24,533,024	\$24,073,381	\$32,353,350	\$36,774,953	\$28,732,774	\$28,758,270	\$338,982,063

*incl. Feb #1, #2
(1,470,474)*

PECO ENERGY COMPANY - ELECTRIC OPERATIONS
 ENERGY COST ADJUSTMENT - STATEMENT NO. 7 - QUARTERLY REPORT NO. 1
 Report for the period ending Dec. 31, 1996
 Summary of Energy Output, Sales, and Costs by Fuel Type
 Sched. 5B: Fuel Costs of Major Units by Fuel Type-- \$\$ -- Page 1 of 2

NUCLEAR	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96	JAN97	FEB97	MAR97	TOTAL
Limerick #1	\$3,301,246	\$3,261,786	\$3,453,709	\$2,520,511	\$3,673,442	\$3,545,498	\$3,677,797	\$3,390,345	\$3,634,051				\$30,458,385
Limerick #2	\$3,478,613	\$3,217,594	\$3,479,354	\$3,670,216	\$3,680,037	\$3,535,821	\$3,457,949	\$3,475,254	\$1,351,253				\$29,346,091
Peach Bottom #2	\$1,642,853	\$1,420,328	\$1,339,836	\$834,364	\$578,324	(\$361,393)	\$729,731	\$1,666,248	\$1,741,784				\$9,592,075
Peach Bottom #3	\$2,041,014	\$2,119,147	\$1,533,375	\$2,398,837	\$2,445,166	\$2,747,048	\$2,400,520	\$2,010,241	\$2,055,938				\$19,751,286
Salem #1	\$85,485	\$85,485	\$85,485	\$85,485	\$85,485	\$207,807	\$79,821	\$79,821	\$79,821				\$874,695
Salem #2	\$63,947	\$63,947	\$63,947	\$63,947	\$63,947	\$63,947	\$61,829	\$61,829	\$61,829				\$569,169
Fuel oil	\$937	\$49,015	(\$17,114)	\$0	\$0	\$2,286	\$0	\$3,847	\$1,408,759				\$1,447,730
Subtotal	\$10,614,095	\$10,217,302	\$9,938,592	\$9,573,360	\$10,526,401	\$9,741,014	\$10,407,647	\$10,687,585	\$10,333,435				\$92,039,431
MINEMOUTH COAL													
Conemaugh #1,#2	\$2,108,507	\$2,093,176	\$2,479,052	\$2,632,204	\$2,583,627	\$1,487,313	\$1,867,054	\$2,420,155	\$2,433,173				\$20,104,261
Keystone #1,#2	\$3,289,671	\$3,588,565	\$3,633,480	\$3,679,086	\$3,005,372	\$3,291,877	\$3,192,381	\$3,095,088	\$3,172,560				\$29,948,080
Subtotal	\$5,398,178	\$5,681,741	\$6,112,532	\$6,311,290	\$5,588,999	\$4,779,190	\$5,059,435	\$5,515,243	\$5,605,733				\$50,052,341
URBAN COAL													
Eddystone #1,#2	\$2,348,849	\$2,294,139	\$2,351,695	\$7,786,946	\$5,195,166	\$5,391,205	\$4,016,926	\$4,147,105	\$6,430,498				\$39,962,529
Cromby #1	\$921,292	\$1,177,139	\$1,005,031	\$1,114,434	\$1,347,808	\$1,129,335	\$1,429,392	\$259,212	\$1,654,619				\$10,038,262
Subtotal	\$3,270,141	\$3,471,278	\$3,356,726	\$8,901,380	\$6,542,974	\$6,520,540	\$5,446,318	\$4,406,317	\$8,085,117				\$50,000,791
No. 6 OIL													
Schuykill #1	(\$513,698)	\$284,291	\$537,155	\$720,706	\$313,743	\$131,852		\$0	\$7,283				\$1,481,332
Eddystone #3,#4	\$252,610	\$234,998	\$1,865,830	\$3,997,925	\$2,166,896	\$622,975	\$1,882,786	\$2,351,157	\$2,087,886				\$15,463,063
Cromby #2	\$211,343	\$285,601	\$796,938	\$1,295,918	\$133,763	\$14,846	\$101,271	\$21,562	\$275,272				\$3,136,514
Delaware #7,#8	\$16,738	\$426,592	\$829,436	\$1,127,383	\$826,447	\$362,409	\$3,836	\$425,884	\$140,879				\$4,159,604
Subtotal	(\$33,007)	\$1,231,482	\$4,029,359	\$7,141,932	\$3,440,849	\$1,132,082	\$1,987,893	\$2,798,603	\$2,511,320				\$24,240,513
No. 2 OIL													
Schuykill #1	\$2,754	\$5,071	\$1,945	\$1,969	\$694	\$239		\$29	\$288				\$12,989
Eddystone #3,#4	\$165,214	\$114,396	\$132,527	\$300,449	\$285,384	\$257,547	\$183,699	\$150,215	\$78,194				\$1,667,625
Cromby #1	\$80,024	\$30,615	\$22,184	\$36,840	\$20,747	\$115,801	\$13,786	\$48,651	\$24,861				\$393,509
Delaware #7,#8	\$24,836	\$13,706	\$25,172	\$11,253	\$17,793	\$13,926	\$27,073	\$46,393	\$68,907				\$249,059
Conemaugh #1,#2	\$11,534	\$20,865	\$8,522	\$6,545	\$3,286	\$3,871	\$6,127	\$0	\$7,420				\$68,170
Keystone #1,#2	\$48,623	\$7,193	\$2,234	\$1,665	\$27,882	\$9,684	\$10,033	\$4,527	\$16,431				\$128,272
Subtotal	\$332,985	\$191,846	\$192,584	\$358,721	\$355,786	\$401,068	\$240,718	\$249,815	\$196,101				\$2,519,624
NATURAL GAS													
Conemaugh #1,#2	\$8,349	\$18,670	\$9,501	\$11,002	\$5,113	\$6,277	\$25,247	\$13,913	\$12,949				\$111,021
Eddystone #1,#2	\$670,374	\$636,966	\$205,599	\$79,448	\$648,636	\$514,489	\$599,653	\$349,483	(\$152,662)				\$3,551,986
Eddystone #3,#4	\$369,813	\$682,260	\$41,049	\$142,587	\$1,032,923	(\$460,380)	\$655,289	\$1,149,913	\$76,036				\$3,689,490
Cromby #2	\$174,428	\$482,486	\$501,568	\$59,118	\$1,366,252	\$310,941	\$104,684	\$152,535	(\$339,207)				\$2,812,805
Subtotal	\$1,222,964	\$1,820,382	\$757,717	\$292,155	\$3,052,924	\$371,327	\$1,384,873	\$1,665,844	(\$402,884)				\$10,165,302
INTERNAL COMB.													
	\$414,629	\$719,881	\$516,597	\$1,181,029	\$782,944	\$1,691,461	\$1,530,334	\$1,206,155	\$2,218,676				\$10,261,706
TOTAL	\$21,219,985	\$23,333,912	\$24,904,107	\$33,759,867	\$30,290,877	\$24,636,682	\$26,057,218	\$26,529,562	\$28,547,498				\$239,279,708

PECO ENERGY COMPANY - ELECTRIC OPERATIONS

ENERGY COST ADJUSTMENT - STATEMENT NO. 7 - QUARTERLY REPORT NO. 1

Report for the period ending Dec. 31, 1996

Summary of Energy Output, Sales, and Costs by Station

Sched. 5B: Fuel Cost Summary by Major Units -- \$\$ -- Page 2 of 2

NUCLEAR	APR96	MAY96	JUN96	JUL96	AUG96	SEP96	OCT96	NOV96	DEC96	JAN97	FEB97	MAR97	TOTAL
Limerick #1	\$3,301,246	\$3,261,786	\$3,453,709	\$2,520,511	\$3,673,442	\$3,545,498	\$3,677,797	\$3,390,345	\$3,634,051				\$30,458,385
Limerick #2	\$3,478,613	\$3,217,594	\$3,479,354	\$3,670,216	\$3,680,037	\$3,535,821	\$3,457,949	\$3,475,254	\$1,351,253				\$29,346,091
Peach Bottom #2	\$1,642,853	\$1,420,328	\$1,339,836	\$834,364	\$578,324	(\$361,393)	\$729,731	\$1,666,248	\$1,741,784				\$9,592,075
Peach Bottom #3	\$2,041,014	\$2,119,147	\$1,533,375	\$2,398,837	\$2,445,166	\$2,747,048	\$2,400,520	\$2,010,241	\$2,055,938				\$19,751,286
Salem #1	\$85,485	\$85,485	\$85,485	\$85,485	\$85,485	\$207,807	\$79,821	\$79,821	\$79,821				\$874,695
Salem #2	\$63,947	\$63,947	\$63,947	\$63,947	\$63,947	\$63,947	\$61,829	\$61,829	\$61,829				\$569,169
Fuel oil	\$937	\$49,015	(\$17,114)	\$0	\$0	\$2,286	\$0	\$3,847	\$1,408,759				\$1,447,730
Subtotal	\$10,614,095	\$10,217,302	\$9,938,592	\$9,573,360	\$10,526,401	\$9,741,014	\$10,407,647	\$10,687,585	\$10,333,435				\$92,039,431
MINEMOUTH COAL													
Conemaugh #1,#2	\$2,128,390	\$2,132,711	\$2,497,075	\$2,649,751	\$2,592,026	\$1,497,461	\$1,898,428	\$2,434,068	\$2,453,542				\$20,283,452
Keystone #1,#2	\$3,338,294	\$3,595,758	\$3,635,714	\$3,680,751	\$3,033,254	\$3,301,561	\$3,202,414	\$3,099,615	\$3,188,991				\$30,076,352
Subtotal	\$5,466,684	\$5,728,469	\$6,132,789	\$6,330,502	\$5,625,280	\$4,799,022	\$5,100,842	\$5,533,683	\$5,642,533				\$50,359,804
URBAN COAL													
Eddystone #1,#2	\$3,019,223	\$2,931,105	\$2,557,294	\$7,866,394	\$5,843,802	\$5,905,694	\$4,616,579	\$4,496,588	\$6,277,836				\$43,514,515
Cromby #1	\$1,001,316	\$1,207,754	\$1,027,215	\$1,151,274	\$1,368,555	\$1,245,136	\$1,443,178	\$307,863	\$1,679,480				\$10,431,771
Subtotal	\$4,020,539	\$4,138,859	\$3,584,509	\$9,017,668	\$7,212,357	\$7,150,830	\$6,059,757	\$4,804,451	\$7,957,316				\$53,946,286
OIL & GAS													
Schuylkill #1	(\$510,944)	\$289,362	\$539,100	\$722,675	\$314,437	\$132,091	\$0	\$29	\$7,571				\$1,494,321
Eddystone #3,#4	\$787,637	\$1,031,654	\$2,039,406	\$4,440,961	\$3,485,203	\$420,142	\$2,721,774	\$3,651,285	\$2,242,116				\$20,820,178
Cromby #2	\$385,771	\$768,087	\$1,298,506	\$1,355,036	\$1,500,015	\$325,787	\$205,955	\$174,097	(\$63,935)				\$5,949,319
Delaware #7,#8	\$41,574	\$440,298	\$854,608	\$1,138,636	\$844,240	\$376,335	\$30,909	\$472,277	\$209,786				\$4,408,663
Subtotal	\$704,038	\$2,529,401	\$4,731,620	\$7,657,308	\$6,143,895	\$1,254,355	\$2,958,638	\$4,297,688	\$2,395,538				\$32,672,481
INTERNAL COMB.	\$414,629	\$719,881	\$516,597	\$1,181,029	\$782,944	\$1,691,461	\$1,530,334	\$1,206,155	\$2,218,676				\$10,261,706
TOTAL	\$21,219,985	\$23,333,912	\$24,904,107	\$33,759,867	\$30,290,877	\$24,636,682	\$26,057,218	\$26,529,562	\$28,547,498				\$239,279,708

PECO Energy Company- Electric Operations
 Energy Cost Adjustment - Statement No. 7
 Nuclear and Coal Unit Outages
 For the Period: January 1, 1995 Through December 31, 1997
 Schedule 7

Unit Name	PE Share of MW Capacity (1)	Fuel Type	Start Date	Completion Date	# Of Day Duration (2)	MWh Reduction (1)x(2)	Nature Of Outage
Salem 2	471	Nuclear	01/01/95	02/03/95	34	16,014	Scheduled Extension- 8th Refuel
Eddystone 3	279	Coal	01/23/95	02/04/95	12	80,352	Inspect and Repair ABC Condensate Pump Motor
Limerick 2	1,055	Nuclear	01/27/95	02/19/95	23	24,101	Planned 2R03 Refuel
Keystone 1	179	Coal	01/30/95	04/10/95	70	300,720	Periodic Inspection NOx/Acid rain Controls
Salem 2	471	Nuclear	02/03/95	02/16/95	12	5,716	Forced- Solid State Design Inadequacies
Salem 1	471	Nuclear	02/03/95	02/20/95	17	7,790	Forced- Solid State Design Inadequacies
Eddystone 1	279	Coal	02/05/95	02/14/95	9	60,264	Investigate Vibration Problem
Eddystone 1	279	Coal	02/14/95	05/25/95	100	669,600	Periodic Inspection SP Turb/Radiant SPHTR, N
Salem 2	471	Nuclear	02/19/95	03/09/95	18	8,264	Forced- Rx Coolant Water Seal Replacement
Salem 1	471	Nuclear	02/20/95	03/02/95	10	4,632	Forced- Main Steam Pressure Control Problem
Eddystone 2	302	Coal	05/12/95	07/25/95	74	536,352	Periodic Inspection
Salem 1	471	Nuclear	05/17/95	09/09/95	115	54,126	Forced- Equipment Reliability and Operationa
Salem 2	471	Nuclear	06/01/95	11/03/95	155	73,005	Forced- Equipment Reliability and Operationa
Eddystone 2	279	Coal	06/09/95	06/25/95	16	107,136	Inspect & Repair Turbine Control Rotor
Eddystone 1	279	Coal	07/10/95	10/06/95	89	589,248	Turbine Water Induction
Limerick 1	1,055	Nuclear	08/20/95	09/01/95	12	13,044	Forced- Replace Failed Fuel Bundle
Salem 1	471	Nuclear	09/09/95	12/14/95	96	45,236	Planned- 12th Refuel
Limerick 1	1,055	Nuclear	09/11/95	09/25/95	14	14,866	Forced- SRV Replacement
Conemaugh 2	176	Coal	09/11/95	11/26/95	76	321,024	Generator Stator Rewind, Reheater Replacemen
Peach Bottom 3	440	Nuclear	09/22/95	10/17/95	24	10,657	Planned- 3R10 Refuel
Eddystone 1	279	Coal	10/14/95	10/24/95	10	66,969	Repair 1st Reheater Leaks
Salem 2	471	Nuclear	11/03/95	12/31/95	59	27,789	Planned- 9th Refuel
Salem 1	471	Nuclear	12/14/95	12/31/95	18	8,478	Forced- Equipment Reliability and Operationa
Salem 2	471	Nuclear	01/01/96	02/06/96	37	17,247	Planned- 9th Refuel (continued from 1995)
Salem 1	471	Nuclear	01/01/96	06/17/96	169	79,599	Projected Extension
Limerick 1	1,055	Nuclear	02/02/96	02/29/96	29	30,595	Planned- 1R06 Refuel
Salem 2	471	Nuclear	02/07/96	09/10/96	215	101,265	Projected Extension
Keystone 2	178	Coal	02/12/96	03/25/96	42	179,424	Periodic Inspection- FWB Replacement
Tomby 1	144	Coal	04/01/96	05/13/96	42	145,152	Periodic Inspection
Peach Bottom 2	464	Nuclear	09/15/96	10/20/96	35	16,240	Planned- 2R11 Refuel
Eddystone 2	302	Coal	10/05/96	10/19/96	14	101,472	Mid Cycle Inspection
Limerick 2	1,115	Nuclear	01/25/97	02/22/97	29	32,335	Planned- 2r04 Refuel
Salem 1	471	Nuclear	02/01/97	03/17/97	45	21,195	Planned- 13th Refuel
Eddystone 1	279	Coal	03/04/97	04/12/97	39	261,144	Periodic Inspection
Keystone 1	179	Coal	03/10/97	04/27/97	46	206,208	Periodic Inspection
Eddystone 2	302	Coal	04/15/97	04/24/97	9	65,232	Mid Cycle Inspection
Peach bottom 3	464	Nuclear	09/15/97	10/20/97	35	16,240	Planned- 3R11 Refuel
Conemaugh 2	176	Coal	09/22/97	11/16/97	55	232,320	Periodic Inspection
Eddystone 2	302	Coal	09/29/97	11/07/97	39	282,672	Periodic Inspection
Salem 2 (1)	480	Nuclear	10/04/97	11/17/97	45	21,600	Planned- 10th Refuel

(1) MWh reduction reflects power uprate from 471 MW to 480 MW on 9/10/96

PECO Energy Company
Response to Filing Requirements

Schedule G-7
Respondent: Thomas P. Hill, Jr.

Q: Provide the most recent Annual Resource Planning Report prepared for the company and the cost analysis covering selection of alternative forms of generating capacity, if not already provided.

Response:

Attachment G-7 is a copy of the Company's most recent Annual Resource Planning Report.

1996 Annual Resource Planning Report

**NOTE: THIS DOCUMENT CONTAINS PROPRIETARY AND
CONFIDENTIAL INFORMATION AND IS NOT FOR PUBLIC
DISTRIBUTION**

May 1, 1996

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
§57.141. General.....	1
§57.142. Forecast of Energy Resources, Demands and Reserves	2
§57.143. Existing and Planned Generating Capability	3
§57.144. Transmission Line Projection	7
§57.145. Cogeneration and Small Power Production	8
§57.146. System Cost Data	9
§57.147. Forecast of Generating Capability and Generation Distribution.....	12
§57.148. Demand, Resource and Energy Data.....	13
§57.149. Energy Conservation and Load Management	14
§57.150. Evaluation and Integration of Resources.....	16
§57.151. New Generation Facilities and Expansions of Existing Facilities.....	19
§57.152. Formats	22
§57.153. Evaluation Methodology	23
§57.154. Public Information and Distribution.....	24

Appendix A

Data Forms

IRP-ELEC 1A	Historical and Forecast Energy Demand	A - 1
IRP-ELEC 1B	Historical and Forecast Peak Load.....	A - 4
IRP-ELEC 1C	Historical and Forecast Number of Customers.....	A - 7
IRP-ELEC 2A	Estimated Summer Peak Resources, Loads and Reserves	A - 10
IRP-ELEC 2B	Estimated Winter Peak Resources, Loads and Reserves.....	A - 11
IRP-ELEC 3A	Existing Generating Capability	A - 12
IRP-ELEC 3B	Existing Generating Capability (Supplemental Information).....	A - 15
IRP-ELEC 4	Future Generating Capability Installations, Changes and Removals.....	A - 17
IRP-ELEC 5	Cogeneration and Independent Power Production Facilities.....	A - 18
IRP-ELEC 6	System Cost Data	A - 20
IRP-ELEC 7A	Distribution of Net Generating Capability by Fuel Type.....	A - 21
IRP-ELEC 7B	Scheduled Imports and Exports	A - 23
IRP-ELEC 8A	Distribution of Net Generation by Fuel Type	A - 25
IRP-ELEC 8B	Scheduled Imports and Exports	A - 26
IRP-ELEC 9	Summary of Demands, Resources and Energy for the Past Year.....	A - 27
IRP-ELEC 10A	Conservation and Load Management Program Description.....	A - 28
IRP-ELEC 10B	Conservation and Load Management Program Summary	A - 41
IRP-ELEC 10C	Conservation and Load Management Cost Benefit Analysis Inputs	A - 42
IRP-ELEC 10D	Conservation and Load Management Cost Benefit Analysis Results.....	A - 44
IRP-ELEC 10E	Assessment of Conservation and Load Management Potential.....	A - 46
IRP-ELEC 11	Comparison of Costs of Preferred Resource Plan with Alternative Plans..	A - 47
IRP-ELEC 12	Transmission Line Projections	A - 48

§57.141. General

Accompanying Forms:

None

Discussion:

PECO Energy files this Annual Resource Planning Report (ARPR) with the Pennsylvania Public Utility Commission (Commission) in response to 52 Pa. Code §§ 57.141 - 57.153. A brief ARPR summary is provided in response to 52 Pa. Code § 57.154.

Please direct all questions about or requests for PECO Energy's 1996 ARPR to:

Mr. Alfred A. Miller
Director - Rates
PECO Energy Company
2301 Market Street
Philadelphia, PA 19103
Phone: (215) 841-5760

The ARPR is available at a cost of \$150 (payable by check to "PECO Energy") or may be viewed at PECO Energy offices during normal business hours. The ARPR Summary is available at no charge from the address shown above and may also be viewed at PECO Energy offices.

Information which has been designated as proprietary and confidential is indicated by those words at the top right of the respective pages. Such information is not available to the general public. Below is a list of those pages designated proprietary and confidential:

<u>Page</u>	<u>Description</u>
10	Table § 57.146-A - Fuel and General Inflation Assumptions
11	Table § 57.146-B - Average Energy Cost Projection by Fuel Type
A - 15	IRP-ELEC 3B - Existing Generating Capability (Supplemental Information)
A - 17	IRP-ELEC 4 - Future Generating Capability Installations, Changes and Removals
A - 18	IRP-ELEC 5 - Cogeneration and Independent Power Production Facilities
A - 20	IRP-ELEC 6 - System Cost Data
A - 25	IRP-ELEC 8A - Distribution of Net Generation by Fuel Type
A - 47	IRP-ELEC 11 - Comparison of Costs of Preferred Resource Plan with Alternative Plans

§57.142. Forecast of Energy Resources, Demands and Reserves.

Accompanying Forms:

IRP-ELEC 1A.....Historical and Forecast Energy Demand (Base, Low and High)
IRP-ELEC 1B Historical and Forecast Peak Load (Base, Low and High)
IRP-ELEC 1C..... Historical and Forecast Number of Customers (Base, Low and High)
IRP-ELEC 2A.....Estimated Summer Peak Resources, Loads and Reserves
IRP-ELEC 2B Estimated Winter Peak Resources, Loads and Reserves

Discussion:

PECO Energy uses a load growth scenario that reflects the Company's most likely assumptions for economic variables and is used for corporate financial budgeting as a basis for resource planning. This scenario is the Base load growth scenario used in this ARPR.

The PECO Energy load growth forecast incorporates both end-use and econometric forecasts. Assumptions are first developed which affect all classes of service and then assumptions which specifically apply to each class are developed. This procedure is followed for the Base load growth forecast. Alternative low and high forecasts are then developed.

Included in Forms IRP-ELEC 1A - 2B are the projected energy and peak demand impacts from the implementation of the Demand Side Management (DSM) programs proposed in PECO Energy's 1995 Demand Side Management Program. Because this DSM plan has not yet been approved by the Commission, the impacts stated in Forms IRP-ELEC 1A - 2B are identical to those from the DSM plan delayed one year.

The impacts from PECO Energy's existing DSM programs are inherently included in the load forecasts. The incremental effects of those programs in the 1995 DSM Plan are those shown in the individual DSM column. Commercial and industrial rate incentive DSM programs are shown in the interruptible load columns.

Assumptions such as general inflation and fuel cost inflation are provided in response to §57.146 and are shown in Tables §57.146-A and -B on pages 7 and 8, respectively.

§57.143. Existing and Planned Generating Capability.

Accompanying Forms:

IRP-ELEC 3A..... Existing Generating Capability
IRP-ELEC 3B Existing Generating Capability (Supplemental Information)
IRP-ELEC 4..... Future Generating Capability Installations, Changes and Removals

Discussion:

PECO Energy currently plans to continue in operation all of its currently operating generating capability through the 20-year planning period. Although PECO Energy has no formal life extension program, the economic benefits of continued operation are periodically reviewed to ensure unit retirement is not economically beneficial.

The three future resource changes identified in IRP-ELEC 4 Future Generating Capability Installations, Changes and Removals as "Resource Acquisition" represent increases in the Company's ability to meet its customers' requirements. These acquisitions may include supply-side capacity, demand-side management programs, or a combination of the two. The capability may be built or managed by PECO Energy or by others as these resources will likely be provided under the Commission's proposed competitive procurement regulations.

Major Capital Projects Planned at Base Load or Coal Units

Limerick

Currently the company is planning to replace the rotors of Limerick 1 and 2 in 1998 and 1999 respectively. The estimated cost of the project is \$85 million with the present value of net benefits equal to \$25 million. The rotors are to be replaced with a newer, more efficient design which will result in a 50 MW of additional capacity per unit without requiring additional fuel.

Salem

The Salem 2 turbine replacement, necessary because of the original turbine's failure, causes an increase in the unit's net dependable capacity of 8 MW. This project, with a capital cost of approximately \$15.1 million, is expected to generate a net present value revenue requirement savings of approximately \$11.5 million over the next best scenario. Additionally, PSE&G is currently evaluating the need to replace the steam generators at Salem. If it is determined that they must be replaced, the cost could be significant (in the tens of millions).

Coal

The major capital projects and the associated total station costs planned for Keystone and Conemaugh are provided on the following pages. PECO Energy has no qualifying projects for coal plants that it generates.

**KEYSTONE - CONEMAUGH PROJECTS
CONEMAUGH STATION CAPITAL PROJECT SUMMARY**

Projects - Detailed Studies Complete	In - Service Date	Project Capital Cost	Project Benefits
1. Polisher Controls Upgrade	1996	\$1,392,000	Maintain unit availability by reducing deterioration of the separation/cation regeneration vessel.
2. Ash Site Development	1996	\$2,833,000	Environmental retrofit required to meet DER Residual Waste compliance regulations.
Projects Under Review and Evaluation	In - Service Date	Project Capital Cost	Project Benefits
1. Selective Non-Catalytic Reduction	1998	\$5,000,000	Environmental retrofit required to meet the Clean Air Act Amendment (CAAA) compliance regulations.
2. Precipitator Modifications	Unit 1: 1998 Unit 2: 1999	\$9,252,000 \$9,252,000	Environmental retrofit required to meet the Clean Air Act Amendment (CAAA) compliance regulations.

**KEYSTONE - CONEMAUGH PROJECTS
KEYSTONE STATION CAPITAL PROJECT SUMMARY**

Projects - Detailed Studies Complete	In - Service Date	Project Capital Cost	Project Benefits
NONE			
Projects Under Review and Evaluation	In - Service Date	Project Capital Cost	Project Benefits
1. Unit 2, HP Turbine Impulse Blades	1996	\$1,500,000	Improve unit availability by reducing forced outages and extensions of scheduled outages and improve unit efficiency by increasing energy and capacity output.
2. SNCR (Selective Non-Catalytic Reduction) Installation	1998	\$5,000,000	Environmental retrofit required to meet the Clean Air Act Amendment (CAAA) compliance regulations.

§57.144. Transmission Line Projection.

Accompanying Forms:

IRP-ELEC 12Transmission Line Projections

Discussion:

PECO Energy only schedules transmission line construction for the next five years. The lines indicated in Form IRP-ELEC 12 are the only new transmission lines greater than 35kV that are scheduled to be constructed within the next five years or have been completed in the past year.

As to EMF reduction measures taken by PECO Energy in construction of the transmission lines in Form IRP-ELEC 12:

The Middletown-Morton line is designed to be constructed underground using pipe-type cable.

Open wire portions of the Newtown Square - Goshen Tap line are predominately designed using a delta configuration.

§57.145. Cogeneration and Small Power Production.

Accompanying Forms:

IRP-ELEC 5 Cogeneration and Independent Power Production Facilities

Discussion:

Form IRP-ELEC 5 provides the appropriate information.

§57.146. System Cost Data.

Accompanying Forms:

IRP-ELEC 6 System Cost Data

Discussion:

The detailed calculation necessary for the data provided in Form IRP-ELEC 6 is performed by a computerized production cost model. This model is also used to calculate the generation mix shown in Forms IRP-ELEC 7A and 8A.

Fuel and interchange costs are based on input data modeling the generation of companies in a power pool, expected loads of the members of the pool and expected fuel costs. Fuel costs result from the cost of operating generation based on the commitment and dispatch of generation for minimum cost to the pool. Interchange costs can result from transactions based on specified costs with other utilities or non-utility generation; or transactions with costs based on predetermined formulas. Both unit commitment and dispatch decisions are simulated.

Transactions within a pool are based on a predetermined formula. The accounting formula used by PJM is a 50-50 split savings between buyers' and sellers' costs. For 1997 on, the basic split savings formula has been eliminated. The interchange cost for 1997 on is based upon the cost of the highest cost unit running.

On the following pages Tables §§ 57.146-A and -B show the fuel cost assumptions which were used when calculating the system costs as well as the projected average cost of fuel by fuel type, respectively.

PROPRIETARY INFORMATION

Docket Number R-00973953

Name of Document Table 57.146-A

Fuel and General Inflation Assumptions and

Table 57.146-B Average Energy Cost

Projection By Fuel Type

Date Document Received 4-1-1997

DOCUMENT CONTAINS

PROPRIETARY INFORMATION

§57.147. Forecast of Generating Capability and Generation Distribution.

Accompanying Forms:

IRP-ELEC 7A..... Distribution of Net Generating Capability by Fuel Type
IRP-ELEC 7B..... Scheduled Imports and Exports
IRP-ELEC 8A..... Distribution of Net Generation by Fuel Type
IRP-ELEC 8B..... Scheduled Imports and Exports

Discussion:

The accompanying forms provide the appropriate information.

§57.148. Demand, Resource and Energy Data.

Accompanying Forms:

IRP-ELEC 9 Summary of Demands, Resources and Energy for the Past Year

Discussion:

Form IRP-ELEC 9 provides the appropriate information.

§57.149. Energy Conservation and Load Management.

Accompanying Forms:

IRP-ELEC 10A Conservation and Load Management Program Description
IRP-ELEC 10B Conservation and Load Management Program Summary
IRP-ELEC 10C Conservation and Load Management Cost Benefit Analysis Inputs
IRP-ELEC 10D Conservation and Load Management Cost Benefit Analysis Results
IRP-ELEC 10E Assessment of Conservation and Load Management Potential

Discussion:

On March 14, 1994, PECO Energy filed the 1995 Demand-Side Management Program with the Commission (Docket No. I-900005). The filing contains information concerning the program selection and evaluation process, which was performed using Annual Resource Planning principles and methods, and details of the design of each program chosen for inclusion in the plan. The 1995 DSM Program has not yet been approved by the Commission.

The filed DSM plan calls for PECO Energy to spend an additional \$10 million on DSM, approximately doubling the Company's 1994 level of conservation and load management expenditures.

In the plan PECO Energy proposed the following new DSM programs:

- Residential Lighting
- Residential House Doctor
- Residential HVAC Incentives
- Residential Energy Efficient New Construction
- Commercial Audits/Surveys
- Audits for Large Commercial and Industrial Customers

The selection criteria used to develop the proposed mix of programs includes those from both the traditional perspective of demand side management as a resource option, and the perspective that the electric utility industry is becoming more competitive. The several factors considered include economic cost effectiveness, resource constraints, rate impact and specific needs of each customer class.

The programs described in Form IRP-ELEC 10A include only those programs currently being offered to customers by PECO Energy.

Form IRP-ELEC 10B shows the statistical summary of those DSM programs which were being offered and for which PECO Energy incurred expenses in 1995.

Form IRP-ELEC 10C and 10D show the cost benefit analysis inputs and outputs, respectively, of those DSM programs which had actual 1995 and projected 1996 expenditures over \$100,000 (the threshold stated in 52 Pa. Code §57.149) and quantifiable electric savings. Rate related conservation and load management programs such as Customer Assistance Program for residential and the Large Interruptible Load Rider for large commercial and industrial customers are not included.

Form IRP-ELEC 10E contains the estimated future cumulative energy and peak demand savings from the 1995 DSM plan and existing programs by customer class over the 1996-2015 period. This is PECO Energy's estimate of a reasonable potential for cost effective DSM. The Company's tariff also contains rates that are designed to encourage load-shifting where appropriate. These include Rate OP, Night Service Riders and Rate RT (Residential Time-of-Use) and rider IR-1. PECO Energy routinely investigates alternative rate options to encourage such customer behavior.

§57.150. Evaluation and Integration of Resources.

Accompanying Forms:

IRP-ELEC 11Comparison of Costs of Preferred Resource Plan with Alternative Plans

Discussion:

PECO Energy examines a number of reasonable and viable resource options that can be used to serve forecasted loads. Although the economic benefits of each alternative is not explicitly shown in this year's ARPR, each alternative included in the preferred plan has been previously shown to be economical. Because of no substantial change in inflation, capital or fuel cost assumptions over the past two years, the same alternatives, with the exception of the Limerick Rotor Replacements, are assumed to be the most economic and are included in the preferred plan this year. Although the continuation of Delaware and Schuylkill stations was the least economic of the service continuation options in last year's ARPR, their existence provides more than simple generation to the system. Their geographic location in the heart of urban Philadelphia provides system reliability which would be extremely difficult to replace.

Several ongoing or recently completed efforts have the potential to effect the Company's future resource planning, including the pending restructuring of the PJM, the ongoing PA PUC investigation into electric competition, and the FERC's "Mega NOPR" on open access in the wholesale market. However, because PECO Energy is not able at this time to determine the effect of these efforts on its resource needs, any significant alterations in the resource plan would be premature.

Preferred Plan

The preferred plan incorporates a number of resources that represent an effort to increase the utilization of existing capacity resources before adding any new supply side resources. It also incorporates PECO Energy's 1995 DSM Program as well as the cost and inflation assumptions shown on page 10 in Table § 57.146-A.

The preferred plan revenue requirements shown in Form IRP-ELEC 11 include the following resources:

Cromby 1 and 2, Delaware 7 and 8, Eddystone 1, 2, 3, and 4, and Schuylkill 1 Continued Operation:

The plan continues all of these fossil fuel steam units in service through the 20-year period. All the units will have reached the end of their nominal 35-year lives by the end of the 20-year period. Continued operation of these units is shown to be the economic choice in this plan.

Resource Acquisition in 300 MW Blocks:

After maximizing the use of existing resources, implementing existing demand-side management programs, and including PECO Energy-owned capacity not currently in rate base, PECO Energy expects to obtain additional capability to serve its customers' needs. This acquisition may include supply-side capacity, demand-side management programs, or a combination of the two. The capability may be built or managed by PECO Energy or by others. Because of the long time until the additional resources are required, no resource acquisition process needs to be initiated prior to filing the 1997 Annual Resource Planning Report.

Demand Side Management:

Forms IRP-ELEC 10A - 10E describe the demand-side management in the preferred plan, which includes DSM programs described in PECO Energy's 1995 DSM Plan with a one year delay in implementation, as well existing and recently designed DSM programs.

Salem 2 Uprate:

The unit capacity will be increased as one benefit of required station engineering work. A comparison of this additional capacity with the Limerick and Peach Bottom upgrades previously described, indicates that this project is highly beneficial to PECO Energy customers.

Non-Utility Generation:

A total of 178 MW of non-utility capacity is planned to be purchased by PECO Energy beginning in 1997. This is made up of 150 MW from Gray's Ferry Cogeneration Partners' facility and 28 MW from the Montenay Montgomery Limited Partnership trash plant.

Nuclear Unit Service Continuation:

Operating licenses for Limerick 1 and 2, Peach Bottom 2 and 3, and Salem 1 and 2 continue through the 20-year period.

Hydroelectric Unit Service Continuation:

Operating licenses for the Conowingo and Muddy Run stations extend through the 20-year period.

Conemaugh Station Service Continuation:

This jointly-owned coal-fired station is expected to remain in operation through the 20-year period. Flue gas desulfurization scrubbers were installed to meet local air emission requirements as well as Clean Air Act Amendments of 1990, Title IV requirements.

Keystone Station Service Continuation:

This jointly-owned coal-fired station is expected to remain in operation through the 20-year period. Keystone is a Phase 2 unit under the Clean Air Act Amendments of 1990, Title IV requirements. The need for flue gas desulfurization scrubbers will be periodically reexamined.

Limerick Rotor Replacements:

Limerick 1 and 2 rotors need to be replaced due to certain design flaws. Replacement with a new, more efficient design will provide the company with 50 MW of additional capacity per unit in 1998 and 1999 respectively.

Combustion Turbines Service Continuation:

All PECO Energy combustion turbines are currently assumed to remain in operation for economic and reliability purposes through the 20-year period.

Sensitivity Analysis:

The low load growth scenario described in Form IRP-ELEC 1A (LOW) delays the first resource bidding capability to beyond the 20-year period. The high load growth scenario requires an advance of the first resource acquisition approximately two years. As the Company is not dependent on new resources it has considerable flexibility in adapting to lower or higher than expected load growth.

§57.151. New Generating Facilities and Expansions of Existing Facilities.

Accompanying Forms:

None

Discussion:

The Annual Resource Planning Report is developed in accordance with PECO Energy's resource planning objectives (described below) and reliability, viability, and economic planning criteria (discussed below).

Potential resource options are initially evaluated with regard to the resource viability criteria. In the selection of the preferred plan, those resources which meet the viability criteria are further evaluated with regard to their economic and reliability contributions to service to our customers. These evaluations are analyzed using traditional net present value revenue requirement principles.

Because 900 MW of new generation resources required by PECO Energy starting in 2009 are likely to be supplied through some form of competitive bidding, a specific site has not been designated as a plant construction location. For purposes of the ARPR economic evaluation, the 900 MW of additional generation resources is assumed to be a gas fired combined cycle plant.

The PECO Energy 1995 DSM plan, as filed with the Commission, discusses the selection of the DSM programs using the integrated resource planning methods and criteria described herein.

The forecast of generating energy shown in Form IRP-ELEC 8A is produced using a production cost model which was described in response to §57.146. System Costs Data on page 6.

The FERC recently finalized its Mega NOPR regarding competition in the wholesale market. In addition, PJM is going to be restructured (although the structure is not yet known), and the Pa. PUC is evaluating competition in the retail electric market. Any one of these proposals has the potential to impact the ARPR. As the results are not yet known, any potential impacts have not yet been included into this years ARPR.

RESOURCE PLANNING OBJECTIVES

A. Enhance customer satisfaction by maintaining a reliable electric system by meeting PECO Energy's obligation to provide its equitable share of the PJM

installed capacity reserve requirement and satisfying the needs of all classes of service for a broad mix of marketable demand-side programs.

B. Achieve and maintain the ability to attract new electric customers by including constraints on the relative price of electricity in our development of a cost-effective resource plan.

C. Maintain our commitments to the prosperity of our communities and the protection of the environment.

D. Manage our expense and capital budgets by creating a cost-effective plan for developing demand-side and supply-side resources.

E. Maintain our flexibility to adapt to external influences which are beyond Company control by developing contingency plans.

F. Maintain fuel source diversity within our generating capability mix.

G. Maintain our ability to maintain system reliability by including real-time operation considerations in our plans.

PLANNING CRITERIA

Installed Reserve Capacity Criterion

As a member company of the Pennsylvania-New Jersey-Maryland Interconnection Association (PJM) and the Mid-Atlantic Area Council (MAAC), PECO Energy is obligated to provide its equitable share of the pool's required reserves. The MAAC reliability criterion for installed generating capacity is that sufficient generating capacity shall be installed to ensure that in each year for the MAAC system the probability of occurrence of load exceeding the available generating capacity shall not be greater, on the average, than one day in ten years.

PECO Energy uses installed capacity reserve targets based on its future PJM reserve obligations. 300 MW resource additions are used to typify the results of resource acquisition. In its analysis, PECO Energy used economic approximations for natural gas combined-cycle units for these 300 MW blocks. However, the actual resources obtained might be one or more generating units of various types, one or more demand-side management programs, or a combination of these to provide an overall resource approximating 300 MW and yielding the reliability and economic benefits required to meet customer requirements. These resources may be built or managed by PECO Energy or by others. In the analysis, PECO Energy has constrained its planned reserves to a general range of about 2% above and below the reserve targets. This range is a screening assumption, not a true

economic decision criteria. PECO Energy assumes that any such deviations above or below the capacity reserve target will be offset by short-term capacity sales or purchases.

Resource Viability Criteria

In order for any demand-side or supply-side resource option to receive serious consideration, it must first be shown to be viable. Demand-side options must exhibit potential customer acceptance; they must pass the participant test (i.e. yield projected positive net benefits to the participant) and maintain or improve customer satisfaction (i.e. have a positive or at least neutral effect on participant comfort or value). Supply-side options must meet minimal constraints associated with the geography of PECO Energy's service territory. Both demand-side and supply-side resources must exhibit sufficient technological maturity.

System Cost/Benefit Criteria

PECO Energy uses several cost/benefit criteria in its integrated resource planning process:

1. The Total Resource Cost (TRC) Test (also called the all-ratepayers test) is a measure of the net benefit to the aggregate of all ratepayers. In the case of demand-side options, this test measures the combined impact of costs and benefits of the participant customers and costs and benefits of the utility. In the case of supply-side options, maximizing the TRC net benefit is equivalent to minimizing the utility's revenue requirement.
2. The Rate Impact Test measures the effect of a resource option on the utility's average electric rate (assuming full recovery of revenue requirement). For supply-side options, the impact on rates is minimized by minimizing the utility's revenue requirement. However, recognizing that electric rates are the ratio of revenue requirement divided by electric sales, since demand-side options generally affect both revenue requirement and electric sales, the situation is more complex. In order for a demand-side option to minimize the impact on rates its percentage impact on revenue requirement must exceed its percent impact on electric sales.
3. The Utility Test is a measure of the net benefit from the utility's perspective. It measures only those costs and benefits which have a direct impact on the utility's revenue requirement. The Utility Test is optimized when the utility's revenue requirement is minimized.

While the resource viability criteria can be used objectively as a go or no-go criteria, the three system cost/benefit criteria must generally be applied with some degree of subjectivity since they may at times be at odds with each other.

§57.152. Formats.

The following data forms are contained in Appendix A:

IRP-ELEC 1A	Historical and Forecast Energy Demand
IRP-ELEC 1B	Historical and Forecast Peak Load
IRP-ELEC 1C	Historical and Forecast Number of Customers
IRP-ELEC 2A	Estimated Summer Peak Resources, Loads and Reserves
IRP-ELEC 2B	Estimated Winter Peak Resources, Loads and Reserves
IRP-ELEC 3A	Existing Generating Capability
IRP-ELEC 3B	Existing Generating Capability (Supplemental Information)
IRP-ELEC 4	Future Generating Capability Installations, Changes and Removals
IRP-ELEC 5	Cogeneration and Independent Power Production Facilities
IRP-ELEC 6	System Cost Data
IRP-ELEC 7A	Distribution of Net Generating Capability by Fuel Type
IRP-ELEC 7B	Scheduled Imports and Exports
IRP-ELEC 8A	Distribution of Net Generation by Fuel Type
IRP-ELEC 8B	Scheduled Imports and Exports
IRP-ELEC 9	Summary of Demands, Resources and Energy for the Past Year
IRP-ELEC 10A	Conservation and Load Management Program Description
IRP-ELEC 10B	Conservation and Load Management Program Summary
IRP-ELEC 10C	Conservation and Load Management Cost Benefit Analysis Inputs
IRP-ELEC 10D	Conservation and Load Management Cost Benefit Analysis Results
IRP-ELEC 10E	Assessment of Conservation and Load Management Potential
IRP-ELEC 11	Comparison of Costs of Preferred Resource Plan with Alternative Plans
IRP-ELEC 12	Transmission Line Projections

§57.153. Evaluation Methodology.

Accompanying Forms:

None

Discussion:

PECO Energy uses the cost-benefit methodologies described in §57.151 as prescribed by the Bureau of Conservation, Economics and Energy Planning to evaluate the costs and benefits of conservation, load management and DSM programs. For supply side alternatives, the traditional revenue requirement methodology is used.

§57.154. Public Information.

Accompanying Forms:

None

Discussion:

See the response to § 57.141. General on page 1.



APPENDIX A

Data Forms

Company Name: PECO Energy

IRP-ELEC 1A. Historical and Forecast Energy Demand (GWh)

Load Growth Scenario: BASE

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other* (f)	Sales For Resale (g)	Total Consumption (h)	System Losses (i)	Company Use (j)	Gross Energy	PECO DSM Energy Impact	Net Energy For Load (k)
-5	1991	9,947	5,136	15,967	1,028	723	32,801	2,585	36	35,422	0	35,423
-4	1992	9,522	5,222	15,559	960	730	31,993	2,439	36	34,468	0	34,468
-3	1993	10,264	5,623	15,714	770	765	33,136	3,024	36	36,196	0	35,729
-2	1994	10,412	5,954	15,622	789	784	33,561	2,606	36	36,203	0	36,207
-1	1995	10,660	6,222	15,869	859	784	34,394	2,408	36	36,838	0	36,838
0	1996	10,576	6,523	15,249	930	0	33,278	2,329	36	35,643	0	35,643
1	1997	10,653	6,667	15,299	941	0	33,560	2,349	36	35,945	8	35,937
2	1998	10,732	7,044	15,259	1,042	0	34,077	2,385	36	36,498	30	36,468
3	1999	10,812	7,346	15,271	1,093	0	34,522	2,417	36	36,975	47	36,928
4	2000	10,894	7,650	15,248	1,094	0	34,886	2,442	36	37,364	64	37,300
5	2001	10,976	7,955	15,353	1,095	0	35,379	2,477	36	37,892	82	37,810
6	2002	11,059	8,262	15,333	1,096	0	35,750	2,503	36	38,289	91	38,198
7	2003	11,142	8,572	15,314	1,097	0	36,125	2,529	36	38,690	91	38,599
8	2004	11,225	8,882	15,294	1,098	0	36,499	2,555	36	39,090	87	39,003
9	2005	11,310	9,195	15,278	1,099	0	36,882	2,582	36	39,500	80	39,420
10	2006	11,394	9,510	15,262	1,100	0	37,266	2,609	36	39,911	73	39,838
11	2007	11,479	9,827	15,249	1,101	0	37,656	2,636	36	40,328	67	40,261
12	2008	11,564	10,146	15,237	1,102	0	38,049	2,663	36	40,748	64	40,684
13	2009	11,650	10,466	15,225	1,103	0	38,444	2,691	36	41,171	63	41,108
14	2010	11,736	10,789	15,216	1,104	0	38,845	2,719	36	41,600	60	41,540
15	2011	11,823	11,114	15,208	1,105	0	39,250	2,748	36	42,034	58	41,976
16	2012	12,110	11,441	15,201	1,106	0	39,858	2,790	36	42,684	51	42,633
17	2013	11,997	11,769	15,196	1,107	0	40,069	2,805	36	42,910	40	42,870
18	2014	12,086	12,101	15,192	1,108	0	40,487	2,834	36	43,357	30	43,327
19	2015	12,174	12,434	15,191	1,109	0	40,908	2,864	36	43,808	21	43,787

* 'Other' sales include public street and highway lighting, other sales to public authorities, sales to railroads and railways and interdepartmental sales.

Pa.PUC

Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 1A. Historical and Forecast Energy Demand (GWh)

Load Growth Scenario: LOW

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other* (f)	Sales For Resale (g)	Total Consumption (h)	System Losses (i)	Company Use (j)	Gross Energy	PECO DSM Energy Impact	Net Energy For Load (k)
-5	1991	9,947	5,136	15,967	1,028	723	32,801	2,585	36	35,422	0	35,423
-4	1992	9,522	5,222	15,559	960	730	31,993	2,439	36	34,468	0	34,468
-3	1993	10,264	5,623	15,714	770	765	33,136	3,024	36	36,196	0	35,729
-2	1994	10,412	5,954	15,622	789	784	33,561	2,606	36	36,203	0	36,207
-1	1995	10,660	6,222	15,869	859	784	34,394	2,408	36	36,838	0	36,838
0	1996	10,470	6,315	15,097	857	753	33,492	2,311	35	35,837	0	35,837
1	1997	10,546	6,410	15,146	855	0	32,957	2,318	35	35,310	8	35,302
2	1998	10,625	6,506	15,106	853	0	33,090	2,325	35	35,450	30	35,420
3	1999	10,651	6,604	15,118	850	0	33,224	2,332	35	35,590	47	35,543
4	2000	10,678	6,703	15,096	848	0	33,325	2,339	35	35,698	64	35,634
5	2001	10,705	6,803	15,199	846	0	33,554	2,346	35	35,934	82	35,852
6	2002	10,731	6,905	15,180	844	0	33,661	2,353	35	36,048	91	35,957
7	2003	10,758	7,009	15,161	842	0	33,770	2,360	35	36,165	91	36,074
8	2004	10,785	7,114	15,141	840	0	33,880	2,367	35	36,282	87	36,195
9	2005	10,812	7,221	15,125	838	0	33,996	2,374	35	36,405	80	36,325
10	2006	10,839	7,329	15,109	836	0	34,113	2,382	35	36,529	73	36,456
11	2007	10,866	7,439	15,097	834	0	34,235	2,389	35	36,659	67	36,592
12	2008	10,893	7,551	15,085	831	0	34,360	2,396	35	36,791	64	36,727
13	2009	10,921	7,664	15,073	829	0	34,487	2,403	35	36,924	63	36,861
14	2010	10,948	7,779	15,064	827	0	34,618	2,410	35	37,063	60	37,003
15	2011	10,975	7,896	15,056	825	0	34,752	2,417	35	37,204	58	37,146
16	2012	11,003	8,014	15,049	823	0	34,889	2,425	35	37,348	51	37,297
17	2013	11,030	8,134	15,044	821	0	35,030	2,432	35	37,496	40	37,456
18	2014	11,058	8,256	15,040	819	0	35,173	2,439	35	37,647	30	37,617
19	2015	11,085	8,380	15,039	817	0	35,322	2,447	35	37,803	21	37,782

* 'Other' sales include public street and highway lighting, other sales to public authorities, sales to railroads and railways and interdepartmental sales.

Pa.PUC Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 1A. Historical and Forecast Energy Demand (GWh)

Load Growth Scenario: HIGH

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other* (f)	Sales For Resale (g)	Total Consumption (h)	System Losses (i)	Company Use (j)	Gross Energy	PECO DSM Energy Impact	Net Energy For Load (k)
-5	1991	9,947	5,136	15,967	1,028	723	32,801	2,585	36	35,422	0	35,423
-4	1992	9,522	5,222	15,559	960	730	31,993	2,439	36	34,468	0	34,468
-3	1993	10,264	5,623	15,714	770	765	33,136	3,024	36	36,196	0	35,729
-2	1994	10,412	5,954	15,622	789	784	33,561	2,606	36	36,203	0	36,207
-1	1995	10,660	6,222	15,869	859	784	34,394	2,408	36	36,838	0	36,838
0	1996	10,757	6,969	15,469	939	0	34,134	2,446	38	36,617	0	36,617
1	1997	10,855	6,787	15,361	950	0	33,953	2,467	38	36,458	8	36,450
2	1998	10,954	7,066	15,530	1,051	0	34,600	2,505	38	37,143	30	37,113
3	1999	11,053	7,355	15,701	1,102	0	35,211	2,537	38	37,786	47	37,739
4	2000	11,154	7,657	15,810	1,113	0	35,734	2,564	38	38,336	64	38,272
5	2001	11,255	7,971	15,921	1,124	0	36,272	2,600	38	38,910	82	38,828
6	2002	11,358	8,298	16,033	1,135	0	36,824	2,628	38	39,489	91	39,398
7	2003	11,461	8,638	16,145	1,147	0	37,391	2,655	38	40,084	91	39,993
8	2004	11,566	8,992	16,258	1,158	0	37,974	2,683	38	40,694	87	40,607
9	2005	11,671	9,361	16,372	1,170	0	38,573	2,711	38	41,322	80	41,242
10	2006	11,846	9,745	16,486	1,181	0	39,258	2,739	38	42,035	73	41,962
11	2007	12,024	10,144	16,602	1,193	0	39,963	2,768	38	42,768	67	42,701
12	2008	12,204	10,560	16,718	1,205	0	40,687	2,797	38	43,521	64	43,457
13	2009	12,387	10,993	16,835	1,217	0	41,432	2,826	38	44,295	63	44,232
14	2010	12,573	11,444	16,953	1,229	0	42,199	2,855	38	45,091	60	45,031
15	2011	12,761	11,913	17,071	1,242	0	42,987	2,885	38	45,910	58	45,852
16	2012	12,953	12,401	17,191	1,254	0	43,799	2,930	38	46,766	51	46,715
17	2013	13,147	12,910	17,311	1,267	0	44,635	2,945	38	47,618	40	47,578
18	2014	13,344	13,439	17,432	1,279	0	45,495	2,976	38	48,509	30	48,479
19	2015	13,544	13,990	17,554	1,292	0	46,381	3,007	38	49,426	21	49,405

* 'Other' sales include public street and highway lighting, other sales to public authorities, sales to railroads and railways and interdepartmental sales.

Pa.PUC Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 1B. Historical and Forecast Peak Load (MW)

Load Growth Scenario: BASE

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other ⁽¹⁾ (f)	Sales For Resale (g)	Gross Peak Load Requirements	PECO DSM Peak Impact	Inter-ruptible Load ⁽²⁾	Net Peak Load Requirements (h)	Annual Load Factor (i)
-5	1991	2,750	1,424	2,703	143	151	7,171	0	75	7,096	56.39%
-4	1992	2,329	1,313	2,689	141	145	6,617	0	0	6,617	59.46%
-3	1993	2,498	1,408	2,884	151	159	7,100	0	0	7,100	57.45%
-2	1994	2,568	1,645	2,701	158	155	7,227	0	0	7,227	57.19%
-1	1995	2,563	1,678	2,679	160	166	7,246	0	0	7,246	58.03%
0	1996	2,442	1,625	2,791	157	0	7,015	0	204	6,811	58.00%
1	1997	2,466	1,598	2,854	156	0	7,074	2	204	6,868	58.01%
2	1998	2,513	1,666	2,847	157	0	7,183	6	204	6,973	58.01%
3	1999	2,540	1,689	2,891	157	0	7,277	10	204	7,063	58.01%
4	2000	2,562	1,708	2,928	157	0	7,354	15	204	7,135	58.02%
5	2001	2,586	1,732	2,984	157	0	7,458	21	204	7,233	58.04%
6	2002	2,604	1,749	3,026	157	0	7,536	24	204	7,308	58.05%
7	2003	2,615	1,767	3,076	157	0	7,615	24	204	7,387	58.05%
8	2004	2,628	1,785	3,124	157	0	7,694	24	204	7,466	58.05%
9	2005	2,652	1,832	3,135	156	0	7,775	24	204	7,547	58.06%
10	2006	2,662	1,902	3,136	156	0	7,856	23	204	7,629	58.06%
11	2007	2,669	1,921	3,192	156	0	7,938	23	204	7,711	58.07%
12	2008	2,678	1,941	3,247	156	0	8,021	23	204	7,794	58.07%
13	2009	2,681	1,961	3,307	155	0	8,104	22	204	7,878	58.06%
14	2010	2,688	1,980	3,365	155	0	8,189	21	204	7,964	58.06%
15	2011	2,693	2,083	3,343	155	0	8,274	20	204	8,050	58.05%
16	2012	2,699	2,104	3,402	155	0	8,360	18	204	8,138	58.34%
17	2013	2,706	2,125	3,462	154	0	8,447	15	204	8,228	58.04%
18	2014	2,717	2,147	3,517	154	0	8,535	12	204	8,319	58.03%
19	2015	2,745	2,169	3,553	156	0	8,623	8	204	8,411	58.02%

NOTE (1) - 'Other' sales include public street and highway lighting, other sales to public authorities, sales to railroads and railways and interdepartmental sales.

NOTE (2) - 1990-1994 figures are actual interruptions at the system peak.

Pa.PUC Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 1B. Historical and Forecast Peak Load (MW)

Load Growth Scenario: LOW

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other ⁽¹⁾ (f)	Sales For Resale (g)	Gross Peak Load Requirements	PECO DSM Peak Impact	Inter-ruptible Load ⁽²⁾	Net Peak Load Requirements (h)	Annual Load Factor (i)
-5	1991	2,750	1,424	2,703	143	151	7,171	0	75	7,096	56.39%
-4	1992	2,329	1,313	2,689	141	145	6,617	0	0	6,617	59.46%
-3	1993	2,498	1,408	2,884	151	159	7,100	0	0	7,100	57.45%
-2	1994	2,568	1,645	2,701	158	155	7,227	0	0	7,227	57.19%
-1	1995	2,563	1,678	2,679	160	166	7,246	0	0	7,246	58.03%
0	1996	2,419	1,610	2,765	155	0	6,950	0	204	6,746	58.86%
1	1997	2,426	1,572	2,807	154	0	6,959	2	204	6,753	57.93%
2	1998	2,438	1,617	2,762	152	0	6,969	6	204	6,759	58.06%
3	1999	2,436	1,620	2,773	151	0	6,980	10	204	6,766	58.21%
4	2000	2,436	1,624	2,783	149	0	6,992	15	204	6,773	58.30%
5	2001	2,428	1,626	2,802	148	0	7,005	21	204	6,780	58.60%
6	2002	2,424	1,628	2,816	146	0	7,015	24	204	6,787	58.72%
7	2003	2,411	1,630	2,836	145	0	7,021	24	204	6,793	58.85%
8	2004	2,401	1,631	2,853	143	0	7,028	24	204	6,800	58.99%
9	2005	2,399	1,658	2,836	142	0	7,035	24	204	6,807	59.15%
10	2006	2,385	1,705	2,811	140	0	7,041	23	204	6,814	59.30%
11	2007	2,369	1,706	2,834	138	0	7,048	23	204	6,821	59.46%
12	2008	2,355	1,707	2,856	137	0	7,054	23	204	6,827	59.63%
13	2009	2,336	1,708	2,881	135	0	7,060	22	204	6,834	59.79%
14	2010	2,320	1,709	2,904	134	0	7,066	21	204	6,841	59.96%
15	2011	2,302	1,781	2,857	132	0	7,072	20	204	6,848	60.13%
16	2012	2,284	1,781	2,880	131	0	7,077	18	204	6,855	60.32%
17	2013	2,268	1,781	2,902	129	0	7,081	15	204	6,862	60.52%
18	2014	2,255	1,782	2,919	128	0	7,084	12	204	6,868	60.72%
19	2015	2,256	1,783	2,921	128	0	7,087	8	204	6,875	60.92%

NOTE (1) - 'Other' sales include public street and highway lighting, other sales to public authorities, sales to railroads and railways and interdepartmental sales.

NOTE (2) - 1990-1994 figures are actual interruptions at the system peak.

Pa.PUC Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 1B. Historical and Forecast Peak Load (MW)

Load Growth Scenario: HIGH

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other ⁽¹⁾ (f)	Sales For Resale (g)	Gross Peak Load Requirements	PECO DSM Peak Impact	Inter-ruptible Load ⁽²⁾	Net Peak Load Requirements (h)	Annual Load Factor (i)
-5	1991	2,750	1,424	2,703	143	151	7,171	0	75	7,096	56.39%
-4	1992	2,329	1,313	2,689	141	145	6,617	0	0	6,617	59.46%
-3	1993	2,498	1,408	2,884	151	159	7,100	0	0	7,100	57.45%
-2	1994	2,568	1,645	2,701	158	155	7,227	0	0	7,227	57.19%
-1	1995	2,563	1,678	2,679	160	166	7,246	0	0	7,246	58.03%
0	1996	2,698	1,783	2,878	170	0	7,530	0	204	7,326	55.51%
1	1997	2,654	1,762	3,029	168	0	7,612	2	204	7,406	54.67%
2	1998	2,676	1,714	3,141	168	0	7,698	6	204	7,488	55.08%
3	1999	2,711	1,801	3,105	167	0	7,784	10	204	7,570	55.42%
4	2000	2,731	1,822	3,153	166	0	7,872	15	204	7,653	55.60%
5	2001	2,754	1,843	3,200	166	0	7,963	21	204	7,738	55.81%
6	2002	2,773	1,863	3,250	165	0	8,051	24	204	7,823	56.03%
7	2003	2,794	1,882	3,295	165	0	8,137	24	204	7,909	56.27%
8	2004	2,808	1,902	3,350	164	0	8,224	24	204	7,996	56.53%
9	2005	2,823	1,923	3,402	164	0	8,312	24	204	8,084	56.81%
10	2006	2,849	1,984	3,403	163	0	8,400	23	204	8,173	57.19%
11	2007	2,866	2,049	3,412	163	0	8,490	23	204	8,263	57.57%
12	2008	2,878	2,071	3,469	163	0	8,580	23	204	8,353	57.97%
13	2009	2,890	2,092	3,527	162	0	8,671	22	204	8,445	58.38%
14	2010	2,898	2,115	3,589	162	0	8,763	21	204	8,538	58.80%
15	2011	2,909	2,136	3,649	162	0	8,856	20	204	8,632	59.24%
16	2012	2,916	2,249	3,623	162	0	8,949	18	204	8,727	59.71%
17	2013	2,925	2,272	3,684	161	0	9,042	15	204	8,823	60.17%
18	2014	2,937	2,295	3,743	161	0	9,136	12	204	8,920	60.65%
19	2015	2,952	2,319	3,798	161	0	9,230	8	204	9,018	61.15%

NOTE (1) - 'Other' sales include public street and highway lighting, other sales to public authorities, sales to railroads and railways and interdepartmental sales.

NOTE (2) - 1990-1994 figures are actual interruptions at the system peak.

Pa.PUC Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 1C. Historical and Forecast Number of Customers (Year End)

Load Growth Scenario: BASE

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other (f)	Total Customers (j)
-5	1991	1,293,832	137,789	4,087	816	1,436,524
-4	1992	1,302,226	138,018	3,896	831	1,444,971
-3	1993	1,309,218	139,067	3,668	863	1,452,816
-2	1994	1,316,863	140,241	3,527	907	1,461,538
-1	1995	1,321,379	141,653	3,394	943	1,467,369
0	1996	1,331,000	142,700	3,300	960	1,477,960
1	1997	1,338,000	143,700	3,200	980	1,485,880
2	1998	1,346,000	144,700	3,100	1,000	1,494,800
3	1999	1,354,000	145,700	3,000	1,020	1,503,720
4	2000	1,362,000	146,700	2,900	1,040	1,512,640
5	2001	1,369,000	147,700	2,900	1,040	1,520,640
6	2002	1,377,000	148,700	2,900	1,040	1,529,640
7	2003	1,385,000	149,700	2,900	1,040	1,538,640
8	2004	1,393,000	150,700	2,900	1,040	1,547,640
9	2005	1,401,000	151,700	2,900	1,040	1,556,640
10	2006	1,409,000	152,700	2,900	1,040	1,565,640
11	2007	1,417,000	153,700	2,900	1,040	1,574,640
12	2008	1,426,000	154,700	2,900	1,040	1,584,640
13	2009	1,434,000	155,700	2,900	1,040	1,593,640
14	2010	1,442,000	156,700	2,900	1,040	1,602,640
15	2011	1,449,000	157,700	2,900	1,040	1,610,640
16	2012	1,457,000	158,700	2,900	1,040	1,619,640
17	2013	1,466,000	159,700	2,900	1,040	1,629,640
18	2014	1,474,000	160,700	2,900	1,040	1,638,640
19	2015	1,482,000	161,700	2,900	1,040	1,647,640

Company Name: PECO Energy

IRP-ELEC 1C. Historical and Forecast Number of Customers (Year End)

Load Growth Scenario: LOW

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other (f)	Total Customers (j)
-5	1991	1,293,832	137,789	4,087	816	1,436,524
-4	1992	1,302,226	138,018	3,896	831	1,444,971
-3	1993	1,309,218	139,067	3,668	863	1,452,816
-2	1994	1,316,863	140,241	3,527	907	1,461,538
-1	1995	1,321,379	141,653	3,394	943	1,467,369
0	1996	1,327,000	141,400	3,300	955	1,472,655
1	1997	1,332,000	141,900	3,200	975	1,478,075
2	1998	1,337,000	142,400	3,100	995	1,483,495
3	1999	1,342,000	142,900	3,000	1,015	1,488,915
4	2000	1,347,000	143,400	2,900	1,035	1,494,335
5	2001	1,352,000	143,900	2,850	1,035	1,499,785
6	2002	1,357,000	144,400	2,800	1,035	1,505,235
7	2003	1,362,000	144,900	2,750	1,035	1,510,685
8	2004	1,367,000	145,400	2,700	1,035	1,516,135
9	2005	1,372,000	145,900	2,650	1,035	1,521,585
10	2006	1,377,000	146,400	2,600	1,035	1,527,035
11	2007	1,383,000	146,900	2,550	1,035	1,533,485
12	2008	1,389,000	147,400	2,500	1,035	1,539,935
13	2009	1,395,000	147,900	2,450	1,035	1,546,385
14	2010	1,401,000	148,400	2,400	1,035	1,552,835
15	2011	1,407,000	148,900	2,350	1,035	1,559,285
16	2012	1,413,000	149,400	2,300	1,035	1,565,735
17	2013	1,419,000	149,900	2,250	1,035	1,572,185
18	2014	1,425,000	150,400	2,200	1,035	1,578,635
19	2015	1,431,000	150,900	2,150	1,035	1,585,085

Company Name: PECO Energy

IRP-ELEC 1C. Historical and Forecast Number of Customers (Year End)

Load Growth Scenario: HIGH

Index Year (a)	Actual Year (b)	Residential (c)	Commercial (d)	Industrial (e)	Other (f)	Total Customers (i)
-5	1991	1,293,832	137,789	4,087	816	1,436,524
-4	1992	1,302,226	138,018	3,896	831	1,444,971
-3	1993	1,309,218	139,067	3,668	863	1,452,816
-2	1994	1,316,863	140,241	3,527	907	1,461,538
-1	1995	1,321,379	141,653	3,394	943	1,467,369
0	1996	1,334,593	143,150	3,350	965	1,482,058
1	1997	1,347,939	144,650	3,300	985	1,496,874
2	1998	1,361,418	146,150	3,250	1,005	1,511,823
3	1999	1,375,032	147,650	3,210	1,025	1,526,917
4	2000	1,388,783	149,150	3,185	1,045	1,542,163
5	2001	1,402,670	150,650	3,185	1,045	1,557,550
6	2002	1,416,697	152,150	3,185	1,045	1,573,077
7	2003	1,430,864	153,650	3,185	1,045	1,588,744
8	2004	1,445,173	155,150	3,185	1,045	1,604,553
9	2005	1,459,624	156,650	3,185	1,045	1,620,504
10	2006	1,474,221	158,150	3,185	1,045	1,636,601
11	2007	1,488,963	159,650	3,185	1,045	1,652,843
12	2008	1,503,853	161,150	3,185	1,045	1,669,233
13	2009	1,518,891	162,650	3,185	1,045	1,685,771
14	2010	1,534,080	164,150	3,185	1,045	1,702,460
15	2011	1,549,421	165,650	3,185	1,045	1,719,301
16	2012	1,564,915	167,150	3,185	1,045	1,736,295
17	2013	1,580,564	168,650	3,185	1,045	1,753,444
18	2014	1,596,370	170,150	3,185	1,045	1,770,750
19	2015	1,612,333	171,650	3,185	1,045	1,788,213

Pa.PUC Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 2A. Estimated Summer Peak Resources, Loads and Reserves (MW)

Index Year (a)	Actual Year (b)	Resources							Peak Load				Reserve		
		Total Capability (c)	Inoperable Capability* (d)	Operable Capability (e)	Non-Utility Generators (f)	Scheduled Imports (g)	Scheduled Exports (h)	Net Resources (i)	Total Internal Peak Load (j)	Interruptible Load (k)	Load Management (l)	Net Internal Peak Load (m)	Reserve Margin (n)	Scheduled Maintenance (o)	Adjusted Margin (p)
-5	1991	8,814	48	8,766	0	0	677	8,089	6,810	285	0	6,525	1,564	0	1,564
-4	1992	8,814	48	8,766	0	0	370	8,396	6,955	281	0	6,674	1,722	0	1,722
-3	1993	8,884	48	8,836	0	0	400	8,436	6,970	225	0	6,745	1,691	0	1,691
-2	1994	8,877	0	8,877	0	0	400	8,477	6,970	344	0	6,626	1,851	0	1,851
-1	1995	8,954	0	8,954	0	0	400	8,554	7,246	325	0	6,921	1,633	0	1,633
0	1996	8,923	648	8,275	0	0	205	8,070	7,015	204	0	6,811	1,259	0	1,259
1	1997	8,952	642	8,310	0	0	212	8,098	7,074	204	2	6,868	1,230	0	1,230
2	1998	8,882	480	8,402	0	0	179	8,223	7,183	204	6	6,973	1,250	0	1,250
3	1999	8,876	400	8,476	0	0	185	8,291	7,277	204	10	7,063	1,228	0	1,228
4	2000	8,870	308	8,562	0	0	191	8,371	7,354	204	15	7,135	1,236	0	1,236
5	2001	8,989	309	8,680	0	0	197	8,483	7,458	204	21	7,233	1,250	0	1,250
6	2002	8,983	213	8,770	0	0	203	8,567	7,536	204	24	7,308	1,259	0	1,259
7	2003	8,977	113	8,864	0	0	209	8,655	7,615	204	24	7,387	1,268	0	1,268
8	2004	8,971	12	8,959	0	0	215	8,744	7,694	204	24	7,466	1,278	0	1,278
9	2005	8,965	0	8,965	0	0	221	8,744	7,775	204	24	7,547	1,197	0	1,197
10	2006	9,224	69	9,155	0	0	(38)	9,193	7,856	204	23	7,629	1,564	0	1,564
11	2007	9,224	0	9,224	0	0	(38)	9,262	7,938	204	23	7,711	1,551	0	1,551
12	2008	9,224	0	9,224	0	0	(38)	9,262	8,021	204	23	7,794	1,468	0	1,468
13	2009	9,524	70	9,454	0	0	(38)	9,492	8,104	204	22	7,878	1,614	0	1,614
14	2010	9,524	0	9,524	0	0	(38)	9,562	8,189	204	21	7,964	1,598	0	1,598
15	2011	9,524	0	9,524	0	0	(38)	9,562	8,274	204	20	8,050	1,512	0	1,512
16	2012	9,824	58	9,766	0	0	(38)	9,804	8,360	204	18	8,138	1,666	0	1,666
17	2013	9,824	0	9,824	0	0	(38)	9,862	8,447	204	15	8,228	1,634	0	1,634
18	2014	9,824	0	9,824	0	0	(38)	9,862	8,535	204	12	8,319	1,543	0	1,543
19	2015	10,124	31	10,093	0	0	(38)	10,131	8,623	204	8	8,411	1,720	0	1,720

*NOTE: Inoperable Capability is the amount of Installed Capacity above the Summer Net Peak Load with the required Reserve Margin.

Company Name: PECO Energy

IRP-ELEC 2B. Estimated Winter Peak Resources, Loads and Reserves (MW)

Index Year (a)	Actual Year (b)	Resources							Peak Load				Reserve		
		Total Capacity (c)	Inoperable Capacity* (d)	Operable Capacity (e)	Non-Utility Generators (f)	Scheduled Imports (g)	Scheduled Exports (h)	Net Resources (i)	Total Internal Peak Load (j)	Interruptible Load (k)	Load Management (l)	Net Internal Peak Load (m)	Reserve Margin (n)	Scheduled Maintenance (o)	Adjusted Margin (p)
-5	1991	9,212	66	9,146	0	0	785	8,361	5,540	280	0	5,260	3,101	530	2,571
-4	1992	9,212	66	9,146	0	0	350	8,796	5,678	287	0	5,391	3,405	0	3,405
-3	1993	9,317	66	9,251	0	0	400	8,851	5,880	231	0	5,649	3,202	0	3,202
-2	1994	9,186	0	9,186	0	0	400	8,786	5,735	350	0	5,385	3,401	279	3,122
-1	1995	9,222	0	9,222	0	0	400	8,822	5,736	350	0	5,386	3,436	280	3,156
0	1996	9,487	852	8,635	0	0	205	8,430	5,956	204	0	5,752	2,678	0	2,678
1	1997	9,495	825	8,670	0	0	212	8,458	6,007	204	3	5,800	2,658	0	2,658
2	1998	9,545	783	8,762	0	0	179	8,583	6,100	204	11	5,885	2,698	0	2,698
3	1999	9,595	759	8,836	0	0	185	8,651	6,179	204	18	5,957	2,694	0	2,694
4	2000	9,595	673	8,922	0	0	191	8,731	6,265	204	24	6,037	2,694	0	2,694
5	2001	9,595	555	9,040	0	0	197	8,843	6,338	204	31	6,103	2,740	0	2,740
6	2002	9,595	465	9,130	0	0	203	8,927	6,399	204	34	6,161	2,766	0	2,766
7	2003	9,595	371	9,224	0	0	209	9,015	6,468	204	34	6,230	2,785	0	2,785
8	2004	9,595	276	9,319	0	0	215	9,104	6,534	204	32	6,298	2,806	0	2,806
9	2005	9,595	179	9,416	0	0	221	9,195	6,602	204	29	6,369	2,826	0	2,826
10	2006	9,595	80	9,515	0	0	(38)	9,553	6,671	204	25	6,442	3,111	0	3,111
11	2007	9,595	0	9,595	0	0	(38)	9,633	6,740	204	23	6,513	3,120	0	3,120
12	2008	9,595	0	9,595	0	0	(38)	9,633	6,811	204	21	6,586	3,047	0	3,047
13	2009	9,895	81	9,814	0	0	(38)	9,852	6,881	204	21	6,656	3,196	0	3,196
14	2010	9,895	0	9,895	0	0	(38)	9,933	6,953	204	20	6,729	3,204	0	3,204
15	2011	9,895	0	9,895	0	0	(38)	9,933	7,026	204	19	6,803	3,130	0	3,130
16	2012	10,195	69	10,126	0	0	(38)	10,164	7,099	204	17	6,878	3,286	0	3,286
17	2013	10,195	0	10,195	0	0	(38)	10,233	7,178	204	14	6,960	3,273	0	3,273
18	2014	10,195	0	10,195	0	0	(38)	10,233	7,247	204	11	7,032	3,201	0	3,201
19	2015	10,495	942	9,553	0	0	(38)	9,591	7,322	204	8	7,110	2,481	0	2,481

*NOTE: Inoperable Capacity is the amount of Installed Capacity above the Summer Net Peak Load with the required Reserve Margin.

Company Name: PECO Energy

IRP-ELEC 3A. Existing Generating Capability (as of January 1, 1996)

Station and Unit No. (a)	Location (b)	Date Installed (c)	Unit Type (d)	Primary Fuel		Alternate Fuel		Net Capability-MW		Changes During Past Year		% Ownership Share (m)	Notes (n)
				Fuel Type (e)	Transp. Method (f)	Fuel Type (g)	Transp. Method (h)	Summer (i)	Winter (j)	MW (k)	Reason (l)		
Chester 7	Chester, PA	2/7/69	GT	OIL	TK			13	18			100.00%	
Chester 8		5/20/69	GT	OIL	TK			13	18			100.00%	
Chester 9		3/6/69	GT	OIL	TK			13	18			100.00%	
Conemaugh 1	Indiana Co., PA	5/21/70	ST	COL	CV			176	176			20.72%	
Conemaugh 2		5/27/71	ST	COL	CV			176	176			20.72%	
Conemaugh D		2/1/70	IC	IC	TK			2.3	2.3			20.72%	
Conowingo 1	Conowingo, MD	3/1/28	HY	WAT				36	36			100.00%	
Conowingo 2		3/1/38	HY	WAT				36	36			100.00%	
Conowingo 3		3/6/28	HY	WAT				36	36			100.00%	
Conowingo 4		4/5/28	HY	WAT				36	36			100.00%	
Conowingo 5		6/1/28	HY	WAT				36	36			100.00%	
Conowingo 6		7/1/28	HY	WAT				36	36			100.00%	
Conowingo 7		6/1/28	HY	WAT				36	36			100.00%	
Conowingo 8		3/10/64	HY	WAT				65	65			100.00%	
Conowingo 9		3/25/64	HY	WAT				65	65			100.00%	
Conowingo 10		3/25/64	HY	WAT				65	65			100.00%	
Conowingo 11		5/4/64	HY	WAT				65	65			100.00%	
Cromby 1	Phoenixville, PA	7/23/54	ST	COL	RR			144	147			100.00%	
Cromby 2		9/26/55	ST	NG/OIL	PL			201	211			100.00%	
Cromby D		6/6/67	IC	OIL	TK			2.7	2.7			100.00%	
Croydon 11	Croydon, PA	5/18/74	GT	OIL	WA			47	60			100.00%	
Croydon 12		6/18/74	GT	OIL	WA			47	60			100.00%	
Croydon 21		6/18/74	GT	OIL	WA			45	59			100.00%	
Croydon 22		6/18/74	GT	OIL	WA			47	60			100.00%	
Croydon 31		8/6/74	GT	OIL	WA			47	60			100.00%	
Croydon 32		8/8/74	GT	OIL	WA			45	59			100.00%	
Croydon 41		7/24/74	GT	OIL	WA			47	60			100.00%	
Croydon 42		7/24/74	GT	OIL	WA			45	59			100.00%	
Delaware 7	Philadelphia, PA	8/28/53	ST	OIL	WA			126	128			100.00%	
Delaware 8		4/1/53	ST	OIL	WA			124	128			100.00%	

Company Name: PECO Energy

IRP-ELEC 3A. Existing Generating Capability (as of January 1, 1996)

Station and Unit No. (a)	Location (b)	Date Installed (c)	Unit Type (d)	Primary Fuel		Alternate Fuel		Net Capability-MW		Changes During Past Year		% Ownership Share (m)	Notes (n)
				Fuel Type (e)	Transp. Method (f)	Fuel Type (g)	Transp. Method (h)	Summer (i)	Winter (j)	MW (k)	Reason (l)		
				Delaware 9		7/24/70	GT	OIL	TK				
Delaware 10		5/7/69	GT	OIL	TK			15	18			100.00%	
Delaware 11		4/19/69	GT	OIL	TK			15	18			100.00%	
Delaware 12		5/2/69	GT	OIL	TK			15	18			100.00%	
Delaware D		6/6/67	IC	OIL	TK			2.7	2.7			100.00%	
Eddystone 1	Eddystone, PA	2/5/60	ST	COL	RR			279	288			100.00%	
Eddystone 2		10/7/60	ST	COL	RR			302	311			100.00%	
Eddystone 3		9/24/74	ST	NG/OIL	PLWA			380	380			100.00%	
Eddystone 4		6/29/76	ST	NG/OIL	PLWA			380	380			100.00%	
Eddystone 10		5/20/67	GT	OIL	TK			14	18			100.00%	
Eddystone 20		10/11/67	GT	OIL	TK			14	18			100.00%	
Eddystone 30		3/7/70	GT	OIL	TK			17	20			100.00%	
Eddystone 40		6/21/70	GT	OIL	TK			17	20			100.00%	
Falls 1	Falls Twp., PA	5/22/70	GT	OIL	TK			17	20			100.00%	
Falls 2		6/10/70	GT	OIL	TK			15	20			100.00%	
Falls 3		6/28/70	GT	OIL	TK			16	20			100.00%	
Keystone 1	Armstrong Co., PA	8/24/67	ST	COL	CV			178.5	178.5			20.99%	
Keystone 2		7/23/68	ST	COL	CV			178.5	178.5			20.99%	
Keystone D		11/23/68	IC	OIL	TK			2.3	2.3			20.99%	
Limerick 1	Limerick, PA	2/1/86	NB	UR	TK			1105	1123			100.00%	
Limerick 2		1/8/90	NB	UR	TK			1115	1133			100.00%	
Moser 1	Pottstown, PA	6/9/70	GT	OIL	TK			16	20			100.00%	
Moser 2		5/29/70	GT	OIL	TK			16	20			100.00%	
Moser 3		6/11/70	GT	OIL	TK			16	20			100.00%	
Muddy Run 1	Drumore Twp., PA	4/10/67	PS	WAT				110	110			100.00%	
Muddy Run 2		4/10/67	PS	WAT				110	110			100.00%	
Muddy Run 3		6/1/67	PS	WAT				110	110			100.00%	
Muddy Run 4		6/1/67	PS	WAT				110	110			100.00%	
Muddy Run 5		10/11/67	PS	WAT				110	110			100.00%	
Muddy Run 6		10/11/67	PS	WAT				110	110			100.00%	

Company Name: PECO Energy

IRP-ELEC 3A. Existing Generating Capability (as of January 1, 1996)

Station and Unit No. (a)	Location (b)	Date Installed (c)	Unit Type (d)	Primary Fuel		Alternate Fuel		Net Capability-MW		Changes During Past Year		% Ownership Share (m)	Notes (n)
				Fuel Type (e)	Transp. Method (f)	Fuel Type (g)	Transp. Method (h)	Summer (i)	Winter (j)	MW (k)	Reason (l)		
				Muddy Run 7		2/10/68	PS	WAT					
Muddy Run 8		2/10/68	PS	WAT				110	110			100.00%	
Peach Bottom 2	Peach Bottom, PA	7/5/74	NB	UR	TK			464	476			42.49%	
Peach Bottom 3		12/23/74	NB	UR	TK			464	476			42.49%	
Richmond 91	Philadelphia, PA	6/7/73	GT	OIL	TK			48	66			100.00%	
Richmond 92		6/7/73	GT	OIL	TK			48	66			100.00%	
Salem 1	Salem, NJ	6/30/77	NP	UR	TK			471	477			42.59%	
Salem 2		10/13/81	NP	UR	TK			471	477			42.59%	
Salem 3		6/17/71	GT	OIL	TK			16	20			42.59%	
Schuylkill 1	Philadelphia, PA	7/25/58	ST	OIL	PL			166	175			100.00%	
Schuylkill 10		5/30/69	GT	OIL	TK			13	18			100.00%	
Schuylkill 11		6/11/71	GT	OIL	TK			17	20			100.00%	
Schuylkill D		7/6/67	IC	OIL	TK			2.8	2.8			100.00%	
Southwark 3	Philadelphia, PA	6/14/67	GT	OIL	TK			13	18			100.00%	
Southwark 4		10/9/67	GT	OIL	TK			13	18			100.00%	
Southwark 5		7/26/67	GT	OIL	TK			13	18			100.00%	
Southwark 6		11/7/68	GT	OIL	TK			14	18			100.00%	

PROPRIETARY INFORMATION

Docket Number R-00973953

Name of Document 1996 ARPR Appendix A-15
to A-20

Date Document Received 4-1-1997

DOCUMENT CONTAINS

PROPRIETARY INFORMATION

Company Name: PECO Energy

IRP-ELEC 7A. Distribution of Net Generating Capability by Fuel Type (MW)

Summer

Index Year (a)	Actual Year (b)	Coal (c)	Oil/Gas Steam (d)	Nuclear (e)	Hydro (f)	Pumped Storage (g)	Oil CT/ICE (h)	Gas CT/ICE (i)	Total Capability (j)	Operable Capability (k)	Net Transactions (l)	Net Resources (m)
-5	1991	1,392	1,377	3,938	410	880	817		8,814	8,766	(677)	8,089
-4	1992	1,392	1,377	3,938	410	880	817		8,814	8,766	(370)	8,396
-3	1993	1,434	1,377	3,938	410	880	845		8,884	8,836	(400)	8,436
-2	1994	1,399	1,377	3,938	470	880	813		8,877	8,877	(400)	8,477
-1	1995	1,434	1,377	3,938	512	880	813		8,954	8,954	(400)	8,554
0	1996	1,434	1,377	4,090	512	880	834		9,127	8,275	(205)	8,070
1	1997	1,434	1,377	4,098	512	880	834		9,135	8,310	(212)	8,098
2	1998	1,434	1,377	4,098	512	880	834		9,135	8,402	(179)	8,223
3	1999	1,434	1,377	4,098	512	880	834		9,135	8,476	(185)	8,291
4	2000	1,434	1,377	4,098	512	880	834		9,135	8,562	(191)	8,371
5	2001	1,434	1,377	4,098	512	880	834		9,135	8,680	(197)	8,483
6	2002	1,434	1,377	4,098	512	880	834		9,135	8,770	(203)	8,567
7	2003	1,434	1,377	4,098	512	880	834		9,135	8,864	(209)	8,655
8	2004	1,434	1,377	4,098	512	880	834		9,135	8,959	(215)	8,744
9	2005	1,434	1,377	4,098	512	880	834		9,135	9,056	(221)	8,835
10	2006	1,434	1,377	4,098	512	880	834		9,135	9,155	38	9,193
11	2007	1,434	1,377	4,098	512	880	834		9,135	9,235	38	9,273
12	2008	1,434	1,377	4,098	512	880	834		9,135	9,235	38	9,273
13	2009	1,434	1,677	4,098	512	880	834		9,435	9,454	38	9,492
14	2010	1,434	1,677	4,098	512	880	834		9,435	9,535	38	9,573
15	2011	1,434	1,677	4,098	512	880	834		9,435	9,535	38	9,573
16	2012	1,434	1,977	4,098	512	880	834		9,735	9,766	38	9,804
17	2013	1,434	1,977	4,098	512	880	834		9,735	9,835	38	9,873
18	2014	1,434	1,977	4,098	512	880	834		9,735	9,835	38	9,873
19	2015	1,434	2,277	4,098	512	880	834		10,035	10,093	38	10,131

Company Name: PECO Energy

IRP-ELEC 7A. Distribution of Net Generating Capability by Fuel Type (MW)

Winter

Index Year (a)	Actual Year (b)	Coal (c)	Oil/Gas Steam (d)	Nuclear (e)	Hydro (f)	Pumped Storage (g)	Oil CT/ICE (h)	Gas CT/ICE (i)	Total Capability (j)	Operable Capability (k)	Net Transactions (l)	Net Resources (m)
-5	1991	1,413	1,402	3,966	512	880	1,039		9,212	9,146	(785)	8,361
-4	1992	1,413	1,402	3,966	512	880	1,039		9,212	9,146	(350)	8,796
-3	1993	1,455	1,402	3,966	512	880	1,102		9,317	9,251	(400)	8,851
-2	1994	1,419	1,336	3,966	512	880	1,073		9,186	9,186	(400)	8,786
-1	1995	1,455	1,336	3,966	512	880	1,073		9,222	9,222	(400)	8,822
0	1996	1,455	1,402	4,162	512	880	1,076		9,487	8,635	(205)	8,430
1	1997	1,455	1,402	4,170	512	880	1,076		9,495	8,670	(212)	8,458
2	1998	1,455	1,402	4,170	512	880	1,076		9,495	8,762	(179)	8,583
3	1999	1,455	1,402	4,170	512	880	1,076		9,495	8,836	(185)	8,651
4	2000	1,455	1,402	4,170	512	880	1,076		9,495	8,922	(191)	8,731
5	2001	1,455	1,402	4,170	512	880	1,076		9,495	9,040	(197)	8,843
6	2002	1,455	1,402	4,170	512	880	1,076		9,495	9,130	(203)	8,927
7	2003	1,455	1,402	4,170	512	880	1,076		9,495	9,224	(209)	9,015
8	2004	1,455	1,402	4,170	512	880	1,076		9,495	9,319	(215)	9,104
9	2005	1,455	1,402	4,170	512	880	1,076		9,495	9,416	(221)	9,195
10	2006	1,455	1,402	4,170	512	880	1,076		9,495	9,515	38	9,553
11	2007	1,455	1,402	4,170	512	880	1,076		9,495	9,595	38	9,633
12	2008	1,455	1,402	4,170	512	880	1,076		9,495	9,595	38	9,633
13	2009	1,455	1,702	4,170	512	880	1,076		9,795	9,814	38	9,852
14	2010	1,455	1,702	4,170	512	880	1,076		9,795	9,895	38	9,933
15	2011	1,455	1,702	4,170	512	880	1,076		9,795	9,895	38	9,933
16	2012	1,455	2,002	4,170	512	880	1,076		10,095	10,126	38	10,164
17	2013	1,455	2,002	4,170	512	880	1,076		10,095	10,195	38	10,233
18	2014	1,455	2,002	4,170	512	880	1,076		10,095	10,195	38	10,233
19	2015	1,455	2,302	4,170	512	880	1,076		10,395	10,453	38	10,491

Company Name: PECO Energy

IRP-ELEC 7B. Scheduled Imports and Exports (MW)

Summer

Participant Type Code	Name of Participant	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
P C G I M	BG&E	0	0	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)
	DP&L	(205)	(212)	(217)	(223)	(229)	(235)	(241)	(247)	(253)	(259)	0	0	0	0	0	0	0	0	0	0
	GFCP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MMLP	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
		0	0	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Totals	(205)	(212)	(179)	(185)	(191)	(197)	(203)	(209)	(215)	(221)	38	38	38	38	38	38	38	38	38	38

Company Name: PECO Energy

IRP-ELEC 7B. Scheduled Imports and Exports (MW)

Winter

Participant Type Code	Name of Participant	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
P	BG&E	0	0	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)	(140)
P	DP&L	(205)	(212)	(217)	(223)	(229)	(235)	(241)	(247)	(253)	(259)	0	0	0	0	0	0	0	0	0	0
C		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	GFCP	0	0	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
I	MMLP	0	0	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
M		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Totals	(205)	(212)	(179)	(185)	(191)	(197)	(203)	(209)	(215)	(221)	38	38	38	38	38	38	38	38	38	38

PROPRIETARY INFORMATION

Docket Number R-00973953

Name of Document 1996 ARPR Appendix

A-25

Date Document Received 4-1-1997

DOCUMENT CONTAINS

PROPRIETARY INFORMATION

IRP-ELEC 8A. Distribution of Net Generation by Fuel Type (MWH)

Index Year (a)	Actual Year (b)	Coal (c)	Oil/Gas Steam (d)	Nuclear (e)	Hydro (f)	Pumped Storage (Net) (g)	Oil CT/ICE (h)	Gas CT/ICE (i)	Total Net Generation (j)	Pumping Energy (-) (k)	Net Energy Import* (Export) (l)	Net Energy For Load (m)
-5	1991	6,488	888	25,735	1,389	(702)	79	0	33,877	0	1,546	35,423
-4	1992	7,558	525	24,428	1,803	(620)	29	0	33,723	0	745	34,468
-3	1993	7,384	2,968	27,026	1,627	(642)	56	0	38,419	0	(2,690)	35,729
-2	1994	8,059	3,180	28,195	1,970	(660)	106	0	40,850	0	(4,643)	36,207
-1	1995	8,035	2,758	25,499	1,425	(766)	175	0	37,126	0	(592)	36,534
0	1996	9,001	2,053	24,607	1,763	(424)	6	0	37,006	0	(1,227)	36,956
1	1997	8,833	2,128	29,171	1,758	(358)	6	0	41,538	0	(5,454)	36,170
2	1998	9,198	2,144	29,245	1,756	(382)	15	0	41,976	0	(5,334)	36,538
3	1999	8,599	2,161	28,813	1,757	(452)	13	0	40,891	0	(3,771)	37,108
4	2000	9,267	1,910	29,182	1,765	(459)	15	0	41,680	0	(4,167)	37,554
5	2001	8,954	2,301	29,478	1,755	(456)	28	0	42,060	0	(4,017)	37,990
6	2002	9,178	2,593	29,060	1,761	(466)	20	0	42,146	0	(3,705)	38,449
7	2003	8,654	2,398	29,376	1,752	(475)	10	0	41,715	0	(2,871)	38,920
8	2004	9,364	2,510	29,527	1,766	(465)	47	0	42,749	0	(3,504)	39,402
9	2005	9,583	2,438	29,517	1,756	(467)	16	0	42,843	0	(3,185)	39,896
10	2006	8,797	2,715	29,632	1,759	(477)	69	0	42,495	0	(2,424)	40,394
11	2007	9,808	3,052	30,038	1,756	(453)	35	0	44,236	0	(3,746)	40,899
12	2008	8,845	3,205	29,325	1,767	(455)	73	0	42,760	0	(1,847)	41,409
13	2009	9,852	3,342	29,334	1,748	(458)	71	1,076	44,965	0	(2,551)	41,926
14	2010	9,153	3,534	29,485	1,760	(435)	123	1,796	45,416	0	(1,852)	42,450
15	2011	9,242	3,731	29,205	1,758	(438)	114	1,394	45,006	0	(1,408)	42,982
16	2012	9,677	3,337	30,451	1,763	(436)	114	2,707	47,613	0	(2,264)	43,531
17	2013	9,351	3,706	29,258	1,759	(412)	182	3,331	47,175	0	(759)	44,090
18	2014	9,219	4,095	29,482	1,756	(406)	158	3,395	47,699	0	(770)	44,656
19	2015	9,404	3,984	29,876	1,758	(402)	128	4,443	49,191	0	(764)	45,229

*NOTE: 1996-2015 Projections of Net Energy Import/Exports include unscheduled interchange and wholesale energy sales which do not appear in Form IRP-ELEC 8B Scheduled Imports and Exports.

Company Name: PECO Energy

IRP-ELEC 8B. Scheduled Imports and Exports (MWH)

Participant Type Code	Name of Participant	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
PU	BG&E	0	0	(1,165)	(1,165)	(1,165)	(1,168)	(1,165)	(1,165)	(1,165)	(1,168)	(1,165)	(1,165)	(1,165)	(1,168)	(1,165)	(1,165)	(1,165)	(1,168)	(1,165)	(1,165)
PU	DP&L	(1,711)	(1,764)	(1,806)	(1,856)	(1,911)	(1,956)	(2,006)	(2,056)	(2,111)	(2,155)	0	0	0	0	0	0	0	0	0	0
C		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G	GFLP	0	0	1,248	1,248	1,248	1,252	1,248	1,248	1,248	1,252	1,248	1,248	1,248	1,252	1,248	1,248	1,248	1,252	1,248	1,248
G	MMLP	0	0	233	233	233	234	233	233	233	234	233	233	233	234	233	233	233	234	233	233
I		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Totals	(1,711)	(1,764)	(1,490)	(1,540)	(1,595)	(1,638)	(1,690)	(1,740)	(1,795)	(1,837)	316	316	316	318	316	316	316	318	316	316

Pa PUC Revised

Apr-06

Company Name: PECO Energy

IRP-ELEC 9. Summary of Demands, Resources and Energy for the Past Year

	Peak Day		Calendar Year 1995	Notes
	Summer 1995	Winter 1995/6		
01 Installed Generating Capacity (MW)	8625	8505		
02 Forced Outages (MW)	1601	957		
03 Planned/Maintenance Outages (MW)	134	423		
04 Units in Cold Reserve (MW)	0	0		
05 Miscellaneous Unavailable Capacity (MW)	120	24		
06 Total Capacity Not Available at Time of Peak (MW) (02+03+04+05)	1855	1404		
07 Firm Capacity Commitments from Others (MW)	0	0		
08 Firm Capacity Commitments to Others (MW)	0	0		
09 Reliable Capacity for Load (MW) (01-06+07-08)	6770	7101		
10 Peak Load in Season (MW)	7246	5814		
11 Operating Reserve at Time of Peak (MW) (09-10)	-476	1287		
12 Date and Hour of Peak	8/4/95 @1700	12/20/95 @1900		
13 Energy Produced by Company (Net MWH)			37,125,456	
14 Energy Received from Interconnection or Affiliated Company (MWH)			13,924,364	
15 Energy Delivered to Interconnection or Affiliated Company (MWH)			14,537,269	
16 System Losses and Company Use (MWH)			2,512,635	
17 Energy Delivered to Company Customers (MWH) (13+14-15-16)			33,999,916	

Pa.PUC Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Smart Choice
 Customer Class: Residential
 Status: Existing Proposed

Contact Person: Albert J McDevitt Phone No: 215-841-6196

Program Objective:

To encourage builders to construct houses to high standards of energy efficiency and comfort, resulting in more manageable energy bills and improved comfort levels

Details of Activity and Implementation Schedule:

Smart Choice is a program for new-home builders that emphasizes customer comfort and reduced energy bills. In addition to complying with the current Pennsylvania Act 222, the Building Energy Conservation Act, the builder must also adhere to stringent standards related to air infiltration, duct system design, efficiencies of heating and cooling equipment, and domestic water heaters. The Smart Choice program includes a comfort and energy bill guarantee for the customer

Actual and/or Anticipated Results:

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	Coal (Tons)	
1995	464.75		1218875	168750			
1996	484.75		1218875	168750			
1997							
1998							
1999							
2000							

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
2080	\$75,000	\$395,000	\$715,000		\$1,185,000
2080	\$75,000	\$395,000	\$715,000		\$1,185,000

PA PUC Revised Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Low-Income Usage Reduction Program
 Customer Class: Residential
 Status: Existing Proposed

Contact Person: Lana A. Watkins Phone No: 215-841-4581

Program Objective:

To implement fair, effective, and efficient usage-reduction strategies for low-income customers. The program is designed to reduce uncollectible accounts and associated collection and termination expenses by enabling low-income customers to reduce inefficient energy use.

Details of Activity and Implementation Schedule:

The program has three essential elements: financial assistance, referrals, installation of energy-reduction measures, and conservation education. During program intake, low-income customers are carefully interviewed to determine eligibility for financial assistance, including PECO's Customer Assistance Program. They receive a free, detailed home energy survey to determine what energy-saving measures might be installed. PUC regulations require the installation of any conservation measures which has a maximum simple payback of seven years.

Actual and/or Anticipated Results:

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	Coal (Tons)	
1995	32		201,740	33,730			
1996	32		201,740	33,730			

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
23,850	\$709,500			\$2,390,500	\$3,100,000
23,850	\$709,500			\$2,390,500	\$3,100,000

PA PUC Revised Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: New Industrial and Commercial Construction
 Customer Class: Industrial and Commercial
 Status: Existing X Proposed _____

Contact Person: Shirley McMillan Phone No. 215-841-4023

Program Objective:

To promote and incent new equipment purchases and construction practices that enable customers to become more efficient, productive, and competitive through the use of high efficiency equipment and energy efficient designs.

Details of Activity and Implementation Schedule:

Provide building owners and builders with information to incorporate energy efficient equipment and construction techniques. All new non-residential construction and major renovation projects will be targeted to promote the use of high efficiency heat pumps, high efficiency lighting and motors, and electric thermal storage systems. Customers will receive grants for feasibility studies, engineering and design.

Actual and/or Anticipated Results:

No direct impacts

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings			Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	
1895		1,500				
1996		3,000				

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
2,000	\$75,000	\$30,000	\$85,000	\$140,000	\$215,000
2,000	\$75,000	\$30,000	\$95,000	\$605,000	\$680,000

PA PUC

Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Commercial and Industrial Rate Incentives
 Customer Class: Industrial and Commercial
 Status: Existing Proposed

Contact Person: Paul D. Corey Phone No: 215-841-5499

Program Objective:

To serve as consultants to our customers by providing information and advice on energy conservation and demand-side management.

Details of Activity and Implementation Schedule:

The following rate options have been designed to encourage commercial and industrial customers to manage their energy demands and usage consistent with system capabilities. Night Service Rider (Rates GS and HT); Curtailment Rider (Rate HT); Cooling Thermal Storage Rider (HT); and the Large Interruptible Load Rider (HT). Note PECO has asked the Pa PUC to approve a "freeze" of the existing LILR and a new interruptible rider to take its place.

Actual and/or Anticipated Results:

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	Coal (Tons)	
1995	334,000						
1996	189,000						

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
39,520	\$988,000			\$0	\$988,000
37,440	\$936,000			\$0	\$936,000

PA PUC Revised Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Gas Cooling
 Customer Class: Commercial
 Status: Existing Proposed

Contact Person: Michael Fiazzo Phone No. 215-841-5163

Program Objective:

The program is designed to encourage the use of natural gas cooling equipment, increase the probability of incorporating this equipment in architectural and engineering designs, and to educate the customer on the benefits of gas cooling equipment

Details of Activity and Implementation Schedule:

This program promotes the design and installation of gas cooling technologies, as well as the retrofit of existing electric units with gas cooling systems. The program focus will be on gas absorption, gas engine-driven, and gas-fired desiccant systems and their application in all market segments. Technology transfers, direct-mail and educational literature targeting customers, architects and engineers, as well as financial incentives, are planned.

Actual and/or Anticipated Results:

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	Coal (Tons)	
1995	3,138		3,138,000	(376,500)			
1996	6,496		6,495,660	(780,218)			

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
2,080	\$48,990		\$250,000	\$350,000	\$398,990
2,080	\$55,000	\$100,000	\$250,000	\$281,000	\$686,000

PA PUC

Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Energy Conservation Displays and Exhibits
 Customer Class: Residential and Commercial
 Status: Existing Proposed

Contact Person: Skip Sindoni Phone No. 215-841-4160

Program Objective:
 To present information on energy conservation to our customers through home shows, exhibits and conferences

Details of Activity and Implementation Schedule:
 PECO has numerous displays and exhibits on conservation and the efficient use of energy. In 1994 these included 44 curriculum workshops, 4,000 teachers contacted, 13 youth debates, 10 special mailings, 75 special events, 12 student and teacher grants

Actual and/or Anticipated Results: No direct impacts.

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings			Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	
1995						
1996						

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
1,000	\$31,000			\$200,000	\$231,000
1,000	\$32,000			\$235,000	\$267,000

PA PUC Revised Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Residential Conservation Impact Measurement and Analysis
 Customer Class: Residential
 Status: Existing X Proposed _____

Contact Person: Hillary N. McAndrews Phone No: 215-841-6470

Program Objective:
 To analyze energy conservation impacts, as well as to identify opportunities for new conservation programs and opportunities for improvement of existing programs.

Details of Activity and Implementation Schedule:
 PECO activities in this area involve supplementing existing data sources with market research and energy consumption studies in an effort to determine factors which affect energy conservation. Analysis of a survey of 4,500 residential customers was conducted to determine appliance ownership and demographic characteristics.

Actual and/or Anticipated Results: No direct impacts

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings			Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	
1995						
1996						

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
200	\$6,000			\$0	\$6,000
200	\$7,000			\$0	\$7,000

Company Name: **PECO Energy**

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Energy Efficient Management
 Customer Class: Industrial and Commercial
 Status: Existing Proposed

Contact Person: Shirley McMillan Phone No: 215-841-4023

Program Objective:

To promote the use of advanced high efficiency end-use technologies by our existing industrial and commercial customers.

Details of Activity and Implementation Schedule:

Program promotes the use of high efficiency heat pumps, high efficiency lighting and motors and electric thermal storage systems. This program offers assistance and grants for feasibility studies, engineering, design and installation of the high efficiency equipment.

Actual and/or Anticipated Results:

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	Coal (Tons)	
1995		1,500					
1996		3,000					

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
2,000	\$75,000	\$30,000	\$50,000	\$153,000	\$228,000
2,000	\$75,000	\$30,000	\$95,000	\$575,000	\$650,000

PA PUC Revised Apr. 96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Natural Gas Vehicles
 Customer Class: Commercial/Industrial
 Status: Existing Proposed

Contact Person: Paul Dwyer Phone No 215-841-6471

Program Objective:

To promote the use of natural gas vehicles (NGVs) to fleet operators and create a practical refueling infrastructure; to conserve gasoline and diesel fuel.

Details of Activity and Implementation Schedule:

1. Expand refueling infrastructure by installing fueling stations, providing portable refueling units, and assisting gasoline retailers in installing stations.
 2. Conduct symposiums, training sessions, advertising, education, personal sales
 3. Expand PECO's NGV fleet
 4. Competitively price natural gas
 5. Develop financial incentive programs with the Department of Environmental Protection
 6. Work with state and local governments.
- In 1995, 50 additional NGVs were added to the regional fleet and one natural gas refueling facility were built.

Actual and/or Anticipated Results:

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Gasoline (Gallons)	Coal (Tons)	
1995					250,000		
1996					500,000		

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
4,000	\$124,000			\$200,000	\$324,000
4,000	\$135,000			\$180,000	\$315,000

PA PUC Revised Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Customer Assistance Program (CAP)
 Customer Class: Residential
 Status: Existing X Proposed _____

Contact Person: Sharon Baker Phone No: 215-841-5945

Program Objective:
 To assist limited income customers who have a verified inability to pay

Details of Activity and Implementation Schedule:
 Any PECO Energy customer who provides financial information indicating an inability to pay, and has an income below 150% of the federal poverty level is referred to PECO Energy's Customer Assistance Program and Low-Income Usage Reduction Program

Actual and/or Anticipated Results:

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings			Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	
1995			9,350,754			
1996			3,350,754			

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				Total
	Payroll	Advertising	Customer Grants	Other	
85,000	\$1,606,000			\$394,000	\$2,000,000
73,000	\$1,804,000			\$394,000	\$2,198,000

Note: the Customer Assistance Program has been subcontracted for 1995

PA PUC

Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name Energy Conservation Literature
 Customer Class Residential
 Status Existing Proposed _____

Contact Person: Mark Selverian Phone No: 610-941-1726

Program Objective:

To provide a series of "how-to" booklets on energy conservation tips, measures, and techniques to all PECO customers who call a toll-free hotline (1-800-521-5353). The program helps customers control their energy consumption and better manage their energy bills.

Details of Activity and Implementation Schedule:

Any customer who calls the toll-free hotline will be able to receive the literature kit. In addition, PECO distributes conservation literature at trade shows and similar events. Approximately 20,000 kits were distributed in 1994.

Actual and/or Anticipated Results: no direct impacts

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	Coal (Tons)	
1995							
1996							

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
150	\$3,800			\$25,000	\$28,800
150	\$3,900			\$45,000	\$48,900

PA P/C Revised Apr. 96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Conservation Information
 Customer Class: Residential
 Status: Existing Proposed

Contact Person: Catherine Haas Phone No: 215-841-4180

Program Objective: To promote energy conservation using various modes of communication: bill inserts, newsletters, and miscellaneous literature

Details of Activity and Implementation Schedule: Energy conservation messages are regularly included in "Energy News," a monthly bill enclosure sent to all PECO Energy customers.

Actual and/or Anticipated Results: no direct impacts

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	Coal (Tons)	
1995							
1996							

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
48	\$1,440			\$20,000	\$21,440
48	\$1,480			\$20,000	\$21,480

PA PUC Revised Apr-96

Company Name: PECO Energy

IRP-ELEC 10A. Conservation and Load Management Program Description

Program Name: Conservation Exhibits
 Customer Class: Residential
 Status: Existing Proposed

Contact Person: Mark Selverian Phone No: 610-941-1728

Program Objective:

To present information on energy conservation to our customers through home shows, exhibits, and conferences.

Details of Activity and Implementation Schedule:

PECO operates numerous displays and exhibits on conservation and the efficient use of energy. Portable displays focusing on general energy conservation, the Smart Choice program, high-efficiency lighting, and rate incentives are used at various area home shows, shopping malls, and convention centers. Examples in 1994 include displays at the Philadelphia Home Show, the Celebrate Age Expo, and events sponsored by the Chamber of Commerce, the Homebuilders Association, and the Board of Realtors.

Actual and/or Anticipated Results:

no direct impacts.

Year	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Savings				Other Results
			Electric (KWH)	Gas (CCF)	Oil (Gallons)	Coal (Tons)	
1995							
1996							

Monetary and Personnel Resources:

Estimated Workhours	Categorized Program Expenses (\$)				
	Payroll	Advertising	Customer Grants	Other	Total
800	\$20,000			\$50,000	\$70,000
800	\$20,700			\$80,000	\$100,700

PA PUC

Revised

Apr-96

Company Name: PECO Energy

IRP-ELEC 10B. Conservation and Load Management Program Summary

Customer Class	Program Name	Peak Load Reduction (KW)	Load Shifted to Off-Peak (KW)	Energy Use Change (KWH)	Allocated Workhours	Categorized Program Expenses (\$)				
						Payroll	Advertising	Customer Grants	Other	Total
Residential	Smart Choice	465		(1,216,875)	2,080	\$75,000				
	Low Income Usage Reduct. Prog.	32		(210,740)	23,650	\$709,500	\$395,000	\$715,000	\$0	\$1,185,000
	Conservation Displays & Exhibits				1,000	\$31,000			\$2,390,500	\$3,100,000
	Conservation Impact Analysis				200	\$6,000			\$0	\$31,000
	Customer Assistance Program			(9,350,754)	65,000	\$1,606,000			\$0	\$6,000
	Energy Conservation Literature				150	\$3,800			\$394,000	\$2,000,000
	Conservation Information				48	\$1,440			\$25,000	\$28,800
	Conservation Exhibits				800	\$20,000			\$20,000	\$21,440
Commercial/Industrial	New Construction		1,500		2,000	\$75,000				
	Rate Incentives	334,000			39,520	\$988,000	\$30,000	\$65,000	\$140,000	\$310,000
	Gas Cooling	3,138		(3,138,000)	2,080	\$48,990			\$0	\$988,000
	Energy Efficient Management		1,500		2,000	\$75,000	\$30,000	\$50,000	\$350,000	\$398,990
	Natural Gas Vehicles				4,000	\$124,000			\$153,000	\$308,000
								\$200,000	\$324,000	
Totals		337,635	3,000	(13,916,369)	142,528	\$3,763,730	\$455,000	\$830,000	\$3,722,500	\$8,771,230

PA PUC

Revised

Apr. 1

Company Name: PECO Energy

IRP-ELEC 10C. Conservation and Load Management Program Cost Benefit Analysis Inputs

Program Name: Smart Choice
 Customer Class: Residential
 Year From: 1995
 Year To: 1996

t	Year	No. of Part	Annual Energy Savings (E) KWH	Cumulative Energy Savings (CE) KWH	Energy Shift (ES) KWH	Participant Demand Savings (D) KW	Utility Capacity Savings (G) KW	Participant Cost (PC) \$	Incentive Costs (I) \$	Utility Costs (UC) \$	Discount Rates				Average Energy Cost (ACE) \$/KWH	Average Demand Cost (ACD) \$/KW	Avoided Energy Cost (MCE) \$/KWH	Avoided Capacity Cost (MCD) \$/KW	System Sales (S) MWH
											Part (d) %	Non-Part (d) %	Ratepayer (d) %	Utility (d) %					
1	1995	1,375	1,108,817	2,217,634		465	567	664	687,500	210,487	9.3%	9.3%	9.3%	9.3%	0.0679		0.0239	3.87	48,489,000
2	1996	1,375	1,216,875	3,434,509		465	567	664	687,500	210,487	9.3%	9.3%	9.3%	9.3%	0.0679		0.0227	3.99	50,205,000
3	1997																		
4	1998																		
5	1999																		
6	2000																		
7	2001																		
8	2002																		
9	2003																		
10	2004																		
11	2005																		
12	2006																		
13	2007																		
14	2008																		
15	2009																		
16	2010																		
17	2011																		
18	2012																		
19	2013																		
20	2014																		
21	2015																		
22	2016																		
23	2017																		
24	2018																		
25	2019																		
26	2020																		
27	2021																		
28	2022																		
29	2023																		
30	2024																		

Company Name:

IRP-ELEC 10C. Conservation and Load Management Program Cost Benefit Analysis Inputs

Program Name: Low Income Usage Reduction Program
 Customer Class: Residential
 Year From: 1995
 Year To: 1996

t	Year	No. of Part.	Annual Energy Savings (E) KWH	Cumulative Energy Savings (CE) KWH	Energy Shift (ES) KWH	Participant Demand Savings (D) KW	Utility Capacity Savings (G) KW	Participant Cost (PC) \$	Incentive Costs (I) \$	Utility Costs (UC) \$	Discount Rates				Average Energy Cost (ACE) \$/KWH	Average Demand Cost (ACD) \$/KW	Avoided Energy Cost (MCE) \$/KWH	Avoided Capacity Cost (MCD) \$/KW	System Sales (S) MWH
											Part (d) %	Non-Part (d) %	Ratepayer (d) %	Utility (d) %					
1	1995	3,300	201,740	522,297		32	39	0	0	837,000	9.3%	9.3%	9.3%	9.3%	0.0679		0.0239	3.87	48,489,000
2	1996	3,300	201,740	724,037		32	39	0	0	837,000	9.3%	9.3%	9.3%	9.3%	0.0679		0.0227	3.99	50,205,000
3	1997																		
4	1998																		
5	1999																		
6	2000																		
7	2001																		
8	2002																		
9	2003																		
10	2004																		
11	2005																		
12	2006																		
13	2007																		
14	2008																		
15	2009																		
16	2010																		
17	2011																		
18	2012																		
19	2013																		
20	2014																		
21	2015																		
22	2016																		
23	2017																		
24	2018																		
25	2019																		
26	2020																		
27	2021																		
28	2022																		
29	2023																		
30	2024																		

Company Name: PECO Energy

IRP-ELEC 10D. Conservation and Load Management Program Cost Benefit Analysis Results

Program Name: Smart Choice
 Present Values Calculated for Year:
 Period of Analysis:

Beginning Year:	1995
Ending Year:	2009

Participant Test

Utility Benefits (Bup) \$	Utility Costs (Cup) \$	Revenue Reduction Cost (Crp) \$	Incentive Costs (Cip) \$	Sales Ratio (f) \$	Participant Revenue Requirement (Rp) \$	Total Participant Benefits (Bp) \$	Total Participant Costs (Cp) \$	Net Present Value (NPVp) \$	Benefit Cost Ratio (BCRp)	Discounted Payback Period (yrs)
						\$1,244,116	\$913,000	\$331,116	1.36	6.08

Nonparticipant Test

Utility Benefits (Bunp) \$	Utility Costs (Cunp) \$	Revenue Reduction (Cnmp) \$	Incentive Costs (Cinp) \$	Rate Impact Non-Part. (RIMnp) \$/MWH	Net Present Value (NPVnp) \$	Benefit Cost Ratio (BCRnp)
\$486,209	\$711,647	\$742,956			(\$968,395)	0.33

All Ratepayers Test

Total Ratepayers Benefits (Bua) \$	Total Ratepayers Costs (Ca) \$	Net Present Value (NPVa) \$	Benefit Cost Ratio (BCRa)
\$486,209	\$1,123,487	(\$637,279)	0.43

Utility Revenue Requirement Test

Increased Revenue (Ruu) \$	Total Utility Benefits (Buu) \$	Total Utility Costs (Cuu) \$	Incentive Costs (Ciu) \$	Net Present Value (NPVu) \$	Benefit Cost Ratio (BCRu)
	\$486,209	\$711,647		(\$225,439)	0.68

Company Name: PECO Energy

IRP-ELEC 10D. Conservation and Load Management Program Cost Benefit Analysis Results

Program Name: Low-Income Usage Reduction Program

Present Values Calculated for Year: 1995
 Period of Analysis: Beginning Year: 1995
 Ending Year: 2009

Participant Test

Utility Benefits (Bup) \$	Utility Costs (Cup) \$	Revenue Reduction Cost (Crp) \$	Incentive Costs (Cip) \$	Sales Ratio (f) \$	Participant Revenue Requirement (Rp) \$	Total Participant Benefits (Bp) \$	Total Participant Costs (Cp) \$	Net Present Value (NPVp) \$	Benefit Cost Ratio (BCRp)	Discounted Payback Period (yrs)
						\$195,714	\$0	\$195,714	n/a	n/a

Nonparticipant Test

Utility Benefits (Bunp) \$	Utility Costs (Cunp) \$	Revenue Reduction (Crnp) \$	Incentive Costs (Cinp) \$	Rate Impact Non-Part. (RIMnp) \$/MWH	Net Present Value (NPVnp) \$	Benefit Cost Ratio (BCRnp)
\$101,435	\$837,000	\$195,714			(\$931,279)	0.1

All Ratepayers Test

Total Ratepayers Benefits (Bua) \$	Total Ratepayers Costs (Ca) \$	Net Present Value (NPVa) \$	Benefit Cost Ratio (BCRa)
\$101,435	\$837,000	(\$735,565)	0.12

Utility Revenue Requirement Test

Increased Revenue (Ruu) \$	Total Utility Benefits (Buu) \$	Total Utility Costs (Cuu) \$	Incentive Costs (Ciu) \$	Net Present Value (NPVu) \$	Benefit Cost Ratio (BCRu)
	\$101,435	\$837,000		(\$735,565)	0.12

Company Name: PECO Energy

IRP-ELEC 10E. Assessment of Conservation and Load Management Potential

Index Year (a)	Actual Year (b)	Residential		Commercial		Industrial		Other		Total		Utility Program Goals	
		KW (c)	KWH (d)	KW (e)	KWH (f)	KW (g)	KWH (h)	KW (i)	KWH (j)	KW (k)	KWH (l)	KW (m)	KWH (n)
0	1995	36,583	42,715,800	0	0	334,000				370,583	42,715,800		
1	1996	35,917	47,027,600	740	1,440,000	334,000				370,657	48,467,600		
2	1997	36,512	62,819,400	2,220	5,400,000	334,000				372,732	68,219,400		
3	1998	37,106	74,511,200	3,700	8,460,000	334,000				374,806	82,971,200		
4	1999	38,331	86,203,000	5,550	11,520,000	334,000				377,881	97,723,000		
5	2000	40,186	98,714,800	7,770	14,760,000	334,000				381,956	113,474,800		
6	2001	40,150	103,846,600	8,880	16,380,000	334,000				383,030	120,226,600		
7	2002	38,225	101,598,400	8,880	16,380,000	334,000				381,105	117,978,400		
8	2003	36,299	96,070,200	8,880	15,660,000	334,000				379,179	111,730,200		
9	2004	34,374	88,082,000	8,880	14,400,000	334,000				377,254	102,482,000		
10	2005	31,819	80,093,800	8,510	13,140,000	334,000				374,329	93,233,800		
11	2006	29,893	72,925,600	8,510	12,060,000	334,000				372,403	84,985,600		
12	2007	27,968	68,217,400	8,510	11,520,000	334,000				370,478	79,737,400		
13	2008	25,412	65,149,200	8,140	11,340,000	334,000				367,552	76,489,200		
14	2009	22,857	60,441,000	7,770	10,800,000	334,000				364,627	71,241,000		
15	2010	20,302	56,552,800	7,400	10,440,000	334,000				361,702	66,992,800		
16	2011	17,116	48,564,600	6,660	9,180,000	334,000				357,776	57,744,600		
17	2012	13,301	37,296,400	5,550	7,200,000	334,000				352,851	44,496,400		
18	2013	9,485	26,848,200	4,440	5,400,000	334,000				347,925	32,248,200		
19	2014	5,040	17,220,000	2,960	3,780,000	334,000				342,000	21,000,000		

Note: Values shown are cumulative amounts.

Pa.PUC Revised Apr-96

PROPRIETARY INFORMATION

Docket Number R-00973953

Name of Document 1996 ARPR Appendix

A-47

Date Document Received 4-1-1997

DOCUMENT CONTAINS

PROPRIETARY INFORMATION

Company Name: PECO Energy

IRP-ELEC 12. Transmission Line Projection

Transmission Line Name (a)	Location (b)	Design Voltage (kV) (c)	Length (Miles) (d)	Construction Start Date (e)	In Service Date (f)	Line Cost (Millions) (g)
Middletown - Morton	Delaware County Middletown Township Upper Providence Township Nether Providence Township Springfield Township	230	4.2	1994	7/1/96	N/A
Newtown Square - Goshen Tap	Delaware County Chester County	69	7.2	1/96	6/97	N/A

Pa. PUC

Revised

Apr-96



1996 Annual Resource Planning Report Summary

May 1, 1996

TABLE OF CONTENTS

	PAGE
Executive Summary	1
Company Contact for Information	3
Description of PECO Energy Company	4
Approach to Integrated Resource Planning	5
Demand Forecasting	7
Preferred Plan	8
Two-Year Implementation Plan	9
Attachment 1: Preferred Plan	10
Attachment 2: System Map	11
Attachment 3: Peak Demand Forecasts	12
Attachment 4: Energy Forecasts	13

NOTE: This summary of the 1996 Annual Resource Planning Report is provided in response to 52 Pa. Code § 57.154.

I. EXECUTIVE SUMMARY

The PECO Energy Company (PECO Energy) Annual Resource Planning Report (ARPR) for the period 1996-2015 represents PECO Energy's current assessment of the most economic allocation of resources available to meet customers' electric energy needs. The evaluation process used to develop this 20 year plan requires numerous projections including estimates of economic growth, inflation, cost of money, sales growth and fuel cost escalation. Since not all of these factors are within the Company's control, this plan must be viewed as a guide that must be regularly reevaluated.

The preferred plan contained in the ARPR anticipates no need to install any new generating facilities during the next 12 years. Resource requirements in that period will be met by productivity improvements to existing resources, demand-side management and existing non-utility generator commitments. However, PECO Energy does project a requirement for 900 MW of new resources, which could be supply side, demand side, or a combination of these, during the 2009-2015 period. The new resources may be built or managed by PECO Energy or by others. During the period 1996 to 2015, PECO Energy expects to require about 1215 MW of additional resources to supply its customers' requirements plus a 20% reserve margin in 2015. The primary change from last year is the addition of a 300 MW resource in 2015, the last year of the plan. The resources identified in the plan include:

<u>Supply Side Changes</u>	<u>MW</u>
Salem 2 capacity increase	8
Limerick 1 & 2 Rotor Replacement	<u>100</u>
Subtotal of Supply Side Changes	108
<u>Demand Side Changes</u>	
Demand-side management (maximum)	24
Associated reserve reduction	<u>5</u>
Subtotal of Demand Side Changes	29
<u>Resource Acquisition</u>	
Non Utility Generation	178
New resources	<u>900</u>
Subtotal of Resource Acquisitions	1078
Total Additional Resources	1215

At the end of the twenty-year study period, PECO Energy's installed capacity will be 41% nuclear, 14% coal, 31% oil or natural gas, and 14% hydro. The energy generated by this installed capacity will be approximately 61% nuclear, 19% coal, 17% gas and oil, and 3% hydro.

The preferred resource plan is selected because it provides the greatest overall benefit under the scenarios studied. The reliance on productivity improvements to existing generation and demand-side management prior to the acquisition of new resources provides maximum flexibility to respond to changing customer requirements.

The ability to provide for our customers' requirements not only requires evaluation of supply and demand side resources, but also review of existing generating facilities. Because no retirements are planned, the average age of PECO Energy generating units will increase significantly by the end of the 20-year period. Although continued operation of existing generating units is critical to the preferred plan, the reliability of very old generation is uncertain. PECO Energy will continue to investigate the feasibility of the service continuation option.

PECO Energy Company's preferred resource plan is included as Attachment 1.

Currently, there are several ongoing or recently completed investigations or initiatives that could impact the Company's ARPR. They are:

- 1) the restructuring of PJM,
- 2) the issuance by the Federal Energy Regulatory Commission of a final rulemaking in the Mega NOPR, and
- 3) the PaPUC investigation into competition.

No impact of these has been reflected in this ARPR as none have taken final form. Future ARPR's will likely include the impact.

II. COMPANY CONTACT FOR INFORMATION

This summary report is available to the public for inspection at PECO Energy's offices during normal business hours. Copies of the summary report are available, without charge, upon written request to the individual listed below. Copies of the ARPR may be purchased from PECO Energy by sending a check for \$150, payable to "PECO Energy", to:

Mr. Alfred A. Miller
Director - Rates
PECO Energy Company
2301 Market Street
Philadelphia, PA 19103

III. DESCRIPTION OF PECO ENERGY COMPANY

PECO Energy is an operating utility which provides electric and gas services to customers in southeastern Pennsylvania. The total area served by the Company covers 2,107 square miles. Electric service is supplied in an area of 1,972 square miles with a population of 3,700,000, including 1,600,000 in the City of Philadelphia. Natural gas service is supplied to an area of 1,475 square miles with a population of 1,900,000.

The electric system consists of 17 generating stations in Pennsylvania, New Jersey and Maryland. The total net summer capability of the Company's installed capacity is 9,127 MW. The electric system also includes significant investments in transmission and distribution lines, substations, and other facilities necessary to provide service to all of the Company's customers.

PECO Energy is a member of the Pennsylvania-New Jersey-Maryland Interconnection Association (PJM). The PJM agreement provides for coordination of the bulk power plans of its member systems and reliable operation of their bulk power facilities.

A map of PECO Energy's service territory, showing major generation and transmission facilities within its electric service territory, is included as Attachment 2.

IV. APPROACH TO INTEGRATED RESOURCE PLANNING

The primary objective in the ARPR is to balance supply and demand as conditions change over time. The resources are planned and implemented so that electricity is supplied to the ultimate customers in the most economical manner subject to the constraint that a certain level of reliability of electric supply is needed. This plan simulates which of the possible resource options best meet this objective. The remainder of this section describes this selection process in more detail.

Balancing Supply and Demand

PECO Energy's highest demand occurs during the summer, so the generation reserve over summer peak demand is the measure often used to determine adequacy of supply. This study plans for a reserve over the net peak demand of 21.0% in 1996, 20.5% in 1997 and 20.0% for 1998 and beyond, and assumes that peak demand is reduced by any demand-side management and any interruptible demand. The preferred plan of this study meets the appropriate reserve criteria within a reasonable tolerance throughout the 20-year period.

Supply and demand must balance not only at the highest demand but also at every other time. Demand varies based on customer needs and behaviors. PECO Energy has installed a mixture of generation or supply-side options. Our present mix of generation contains some units that run continuously to meet base demand and other units that run only at certain times to meet peak demands and also contains some units that store energy during off-peak periods for later use during peak periods.

Another way of balancing supply and demand is to modify the demand by influencing the behavior of customers. PECO Energy has existing demand-side management programs, such as off-peak rates and incentives to encourage residential builders to construct energy-efficient homes, which conserve energy and reduce peak demands.

Resource Evaluation Criteria

Evaluating the net benefits of potential resources requires a multi-objective approach in order to balance the interests of participating and non-participating customers, i.e. those customers who are either unable or choose not to participate in a particular DSM program. Therefore, PECO Energy uses a combination of several cost/benefit tests in evaluating its choice of resource options:

Participant Test: the impact on a customer who participates in a chosen DSM program

Total Resource Cost Test: the impact of a resource choice on the average customer's total cost of energy services

Rate Impact Measure Test: the impact of a resource choice on the average price of electricity

Utility Test: the impact of a demand-side or supply-side resource choice on the utility's revenue requirement

This balanced approach to resource selection is designed to yield significant benefits to participating customers while minimizing the impact of relative price increases on non-participating customers.

Resource Options

The ARPR includes discussion of supply-side options. The supply-side items in the preferred plan include productivity improvements for existing generation and continued operation of existing generation.

The 1996 Annual Resource Planning Report incorporates the proposed Demand-Side Management Program plan as filed with the Pennsylvania Public Utility Commission on March 14, 1994. In that program, PECO Energy proposed a number of demand-side management programs for implementation. Because the 1995 DSM Plan has not yet been approved, implementation is assumed to begin in 1996 for purposes of the ARPR.

The report also indicates that, in the long-term, additional supply side or demand side resources, will be necessary to meet customer requirements. These resources will likely be obtained through a competitive bidding process.

Resource Analysis Methodology

In conducting its resource analysis, PECO Energy first develops a list of potential resource options using its judgment and experience. The costs and benefits of each option are analyzed using the revenue requirement methodology. This method combines production cost calculations with capital and operating and maintenance costs to calculate the net benefits of alternative resource mixes. The preferred plan is generally the one which yields the greatest net benefit for the base set of assumptions.

V. DEMAND FORECASTING

Peak Demand Forecasts

The forecasts of annual peak demand are derived from energy and connected air conditioning forecasts. The low, base and high scenarios have compound growth rates of 0.1%, 1.17% and 1.15% per year, respectively, over the 20-year period. Attachment 3 shows the three peak demand forecasts for the next twenty years.

Energy Forecasts

PECO Energy's energy forecast incorporates both end-use and econometric forecasts. Assumptions are first developed which affect all classes of service and then assumptions which specifically apply to each class are developed. This procedure is followed for the median forecast. Alternative high and low forecasts are also developed. The forecast scenarios have compound growth rates of 0.27%, 1.14%, and 1.75% per year, respectively, over the 20-year period. Attachment 4 shows the three energy forecasts for the next twenty years.

VI. PREFERRED PLAN

PECO Energy's preferred plan, which is shown in Attachment 1 of this summary, provides the greatest overall benefits for the base assumptions, as well as allowing flexibility as conditions change over time. The plan incorporates demand-side management, continued operation of all existing PECO Energy generation, capacity from existing non-utility generator agreements, productivity improvements resulting from required capital expenditures at Limerick 1 and Limerick 2 units, a capacity increase of the Salem 2 unit as a result of required station engineering work and acquisition of resources in the years 2009, 2012, 2015.

The results of the preferred plan which are expressed in constant dollars, thus eliminating inflation, show that the real cost of electric service is expected to decrease. This reflects the increasing benefits of PECO Energy's past investment in nuclear generation and other electric facilities which are expected to minimize the impact of rising fuel costs. In actual dollars the preferred plan shows a general increase in the cost to serve our customers over the study period, but in an amount less than the general inflation assumption reflected in the analyses. It should be noted, however, that the costs do not constitute a specific prediction of rates to customers. They assume full recovery of all costs and cost increases and that the Company earns a fair return on its common equity.

VII. TWO YEAR IMPLEMENTATION PLAN

PECO Energy has no new supply resource options under construction. The next new resources are planned for 2009. Therefore, no resource acquisition activity is appropriate during the Two-Year Implementation Plan period.

PECO Energy's DSM Program plan, filed on March 14, 1994, proposes the implementation of a number of programs during 1995. Because the 1995 DSM Plan has not yet been approved, implementation is assumed to begin in 1996 for purposes of the ARPR. Some of the DSM and other conservation and load management programs included in the ARPR are:

Residential

- Rate Incentives (Rates OP, RT)
- Smart Choice/EEE
- Low Income Usage Reduction Program
- Customer Assistant Program
- Energy Conservation Literature
- Bright Ideas

Commercial & Industrial

- Rate Incentives (Night Service Rider, Curtailment Rider, Cooling Thermal Storage Rider, Large Interruptible Load Rider)
- Industrial Audits

Regarding productivity improvements, the Limerick rotors, scheduled to be replaced in 1998 and 1999, require no construction implementation plan as they will be installed during a refueling outage. A capacity increase of Salem 2 will also occur in 1996 as a benefit of required station engineering work.

As seen from above, there is no implementation activity for resources during 1996-1997. All schedules assume the timely receipt of required approvals from regulatory agencies.

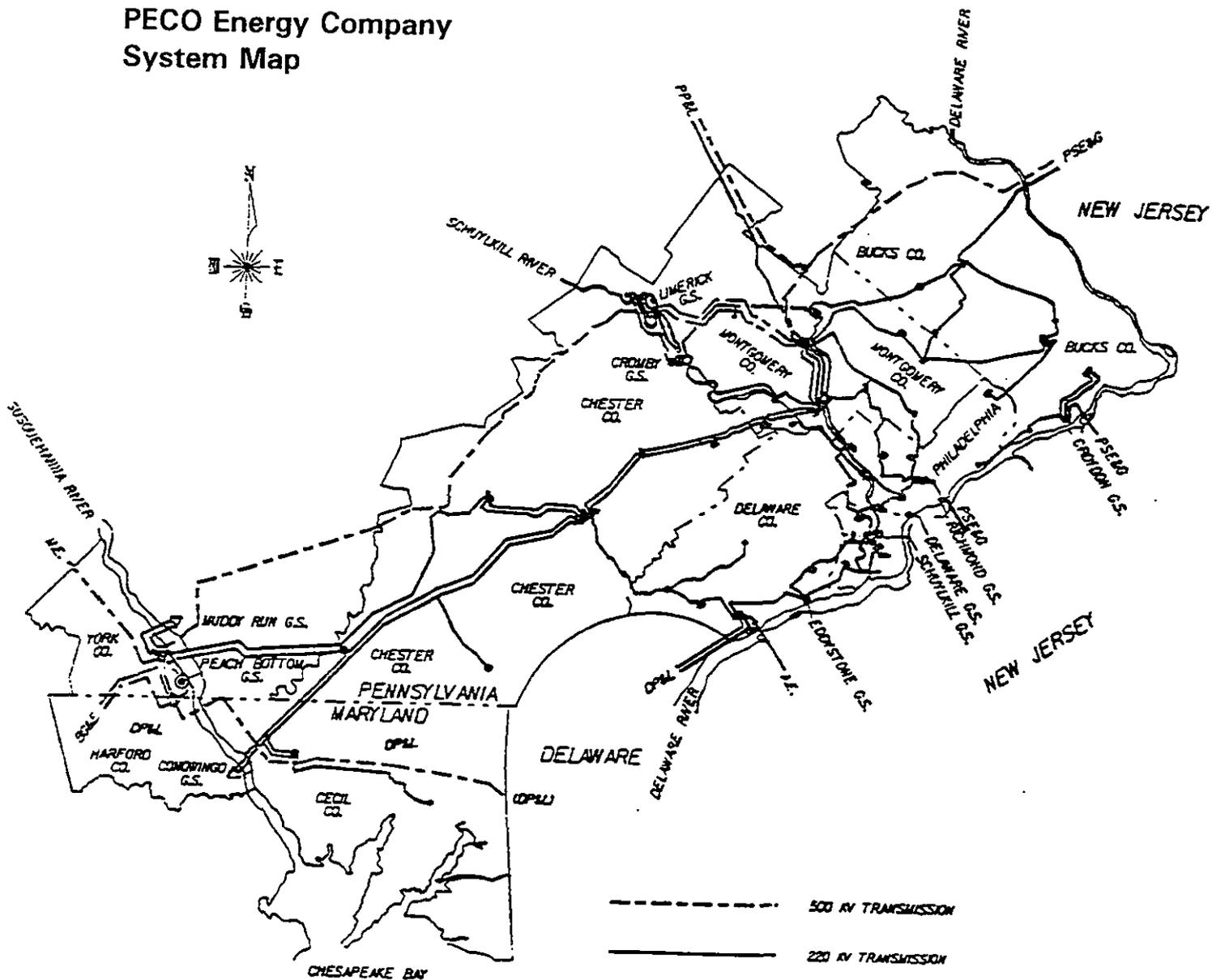
Attachment 1

PECO ENERGY COMPANY 1996-2015 CAPACITY AND DEMAND PROJECTION

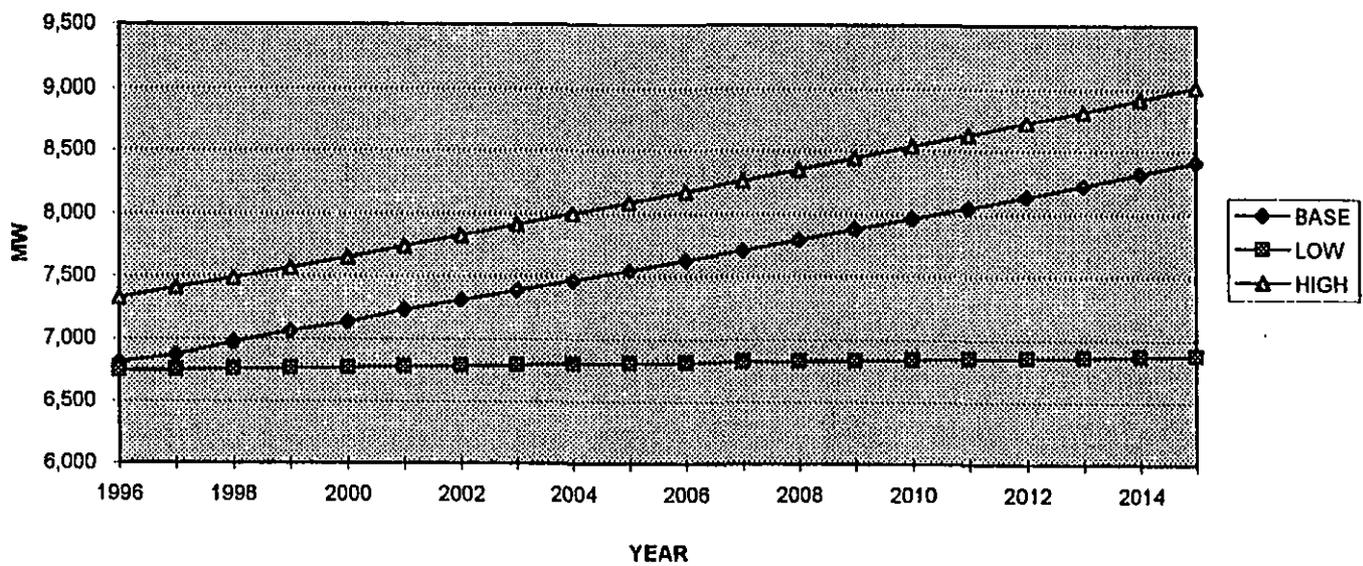
Capacity				Demand			
Year	Change		Total	Gross Peak	Interr	DSM	Net
1995			9068				
1996	60	Limerick 1 Uprate					
	-205	Delmarva P&L Sale					
	-145	TOTAL	8923	7015	204	0	6811
1997	28	MMLP					
	8	Salem 2					
	-7	Delmarva P&L Sale					
	29	TOTAL	8952	7074	204	2	6868
1998	-5	Delmarva P&L Sale					
	-125	Atlantic Electric Sale					
	50	Limerick 1 Rotors					
	150	Grays Ferry					
	-140	BG&E					
	-70	TOTAL	8882	7183	204	6	6973
1999	-6	Delmarva P&L Sale	8876	7277	204	10	7063
	50	Limerick 2 Rotors					
	44	TOTAL					
2000	-6	Delmarva P&L Sale	8870	7354	204	15	7135
2001	-6	Delmarva P&L Sale					
	125	End Atlantic Electric Sale					
	119	TOTAL	8989	7458	204	21	7233
2002	-6	Delmarva P&L Sale	8983	7536	204	24	7308
2003	-6	Delmarva P&L Sale	8977	7615	204	24	7387
2004	-6	Delmarva P&L Sale	8971	7694	204	24	7466
2005	-6	Delmarva P&L Sale	8965	7775	204	24	7547
2006	259	End Delmarva P&L Sale	9224	7856	204	23	7629
2007	0		9224	7938	204	23	7711
2008	0		9224	8021	204	23	7794
2009	300	Resource Acquisition	9524	8104	204	22	7878
2010	0		9524	8189	204	21	7964
2011	0		9524	8274	204	20	8050
2012	300	Resource Acquisition	9824	8360	204	18	8138
2013	0		9824	8447	204	15	8228
2014	0		9824	8535	204	12	8319
2015	300	Resource Acquisition	10124	8623	204	8	8411

Attachment 2

PECO Energy Company
System Map

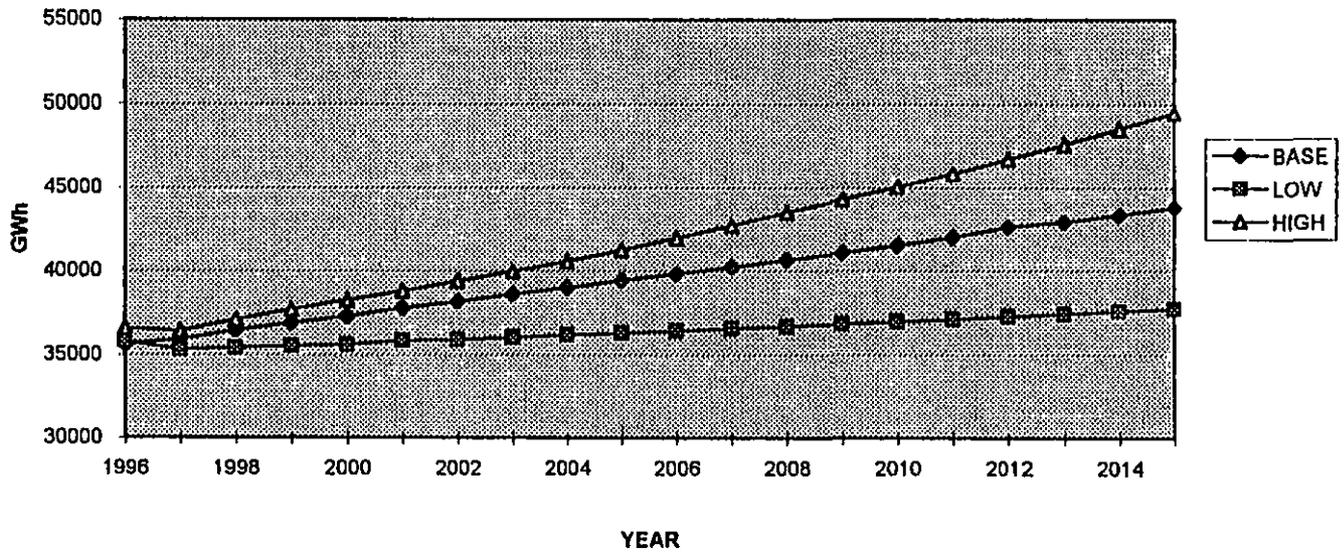


PECO ENERGY COMPANY
1996-2015
PEAK DEMAND PROJECTIONS



Attachment 3

PECO ENERGY COMPANY
1996-2015
ENERGY SALES PROJECTIONS



Attachment 4

PECO Energy Company
Response to Filing Requirements

Schedule G-8

Respondent: Thomas P. Hill, Jr.

Q: Describe the generation planning criteria used by the company. Provide any reports or documents that characterize the generation planning criteria. Describe any changes made or contemplated as a result of restructuring.

Response:

Refer to the Direct Testimony of Gregory A. Cucchi.

FILE

CONTINUED