

APPENDIX A

Table A.1.1 Number of Building Permits in the Two-Rate Cities: Residential Whole Units

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	5	1	3	1	2	0	0	0	0	5	0	0	*	0	2
Clairton	0	1	1	2	0	0	2	0	0	0	0	0	0	0	*
Coatesville	128	1	1	0	0	0	*	*	*	*	*	*	*	*	*
Connelsville	*	*	2	*	*	*	*	*	*	*	2	*	*	*	*
Dubois	118	14	8	8	4	6	5	2	10	10	8	12	13	13	0
Duquesne	15	6	16	0	0	0	5	2	0	8	0	1	0	0	0
Harrisburg	8	84	75	8	24	81	125	29	12	37	125	26	41	98	10
Lock Haven	3	3	1	5	*	0	*	*	28	*	*	*	119	*	35
McKeesport	8	2	1	5	2	*	*	*	*	2	0	*	0	1	5
New Castle	0	*	1	*	0	1	0	1	1	0	0	1	1	0	1
Oil City	*	44	11	*	*	*	4	5	2	1	1	1	1	*	*
Pittsburgh	743	247	371	523	458	601	358	214	351	131	81	257	120	93	162
Scranton	45	223	149	33	*	186	28	78	25	*	60	59	93	56	72
Titusville	50	3	3	4	4	9	0	6	3	2	1	49	1	2	0
Washington	2	*	15	1	0	*	*	*	*	*	5	18	12	*	8

Note: The asterisk denotes a missing observation.

The shaded areas denote the time when the two-rate tax was in effect

Table A.1.2 Number of Building Permits in the Two-Rate Cities: Residential Additions and Alterations

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	67	70	45	39	79	39	48	44	10	4	11	8	*	8	17
Clairton	53	153	23	17	13	18	15	53	13	30	26	19	11	0	*
Coatesville	302	60	15	13	9	0	*	*	*	*	*	*	*	*	*
Connelsville	*	*	0	*	*	*	*	10	*	*	*	*	*	*	*
Dubois	4	41	37	9	15	28	35	18	20	16	7	5	11	0	2
Duquesne	98	98	96	139	143	124	127	110	102	96	126	134	84	91	91
Harrisburg	887	764	612	627	911	771	823	735	715	732	875	1036	1074	961	1199
Lock Haven	118	52	9	19	*	10	*	*	57	*	*	*	21	*	21
McKeesport	368	295	225	155	149	*	*	*	*	15	5	*	0	8	1
New Castle	17	*	61	*	14	21	30	14	44	47	58	44	56	41	43
Oil City	*	40	16	*	*	*	29	110	85	76	71	68	74	*	*
Pittsburgh	3759	3368	794	2488	2801	2749	2375	1993	1844	1976	1943	2233	2053	2101	2020
Scranton	1134	1057	752	*	992	546	181	283	*	*	*	1318	1923	1681	2341
Titusville	22	30	33	27	17	40	26	51	11	14	10	16	36	10	39
Washington	6	*	40	0	0	*	*	*	*	*	0	6	14	*	5

Note: The asterisk denotes a missing observation.
 The shaded areas denote the time when the two-rate tax was in effect.

Table A.1.3 Number of Building Permits in the Two-Rate Cities: Nonresidential Whole Units

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	10	10	5	2	3	0	0	2	5	1	0	0	*	4	3
Clairton	1	0	0	1	0	3	0	0	1	0	0	0	1	0	*
Coatesville	0	0	2	0	0	0	*	*	*	*	*	*	*	*	*
Connelsville	*	*	3	*	*	*	*	*	*	*	10	*	*	*	*
Dubois	2	4	1	5	4	6	3	5	5	4	0	2	1	0	1
Duquesne	0	1	0	1	2	1	1	4	5	3	3	4	0	1	4
Harrisburg	4	7	11	5	11	7	8	9	9	13	5	4	7	2	4
Lock Haven	3	0	1	0	*	1	*	*	1	*	*	*	0	*	1
McKeesport	2	6	5	2	3	*	*	*	*	1	0	*	0	0	1
New Castle	0	*	0	*	0	1	3	0	3	8	5	3	5	4	4
Oil City	*	1	0	*	*	*	1	1	1	1	0	0	1	*	*
Pittsburgh	27	29	37	40	32	33	45	46	31	17	18	15	14	16	9
Scranton	10	14	5	*	13	8	10	2	*	*	9	8	14	17	32
Titusville	0	2	6	5	2	1	2	1	6	1	3	4	1	1	0
Washington	0	*	1	0	0	*	*	*	*	*	0	6	9	*	3

Note: The asterisk denotes a missing observation.
 The shaded areas denote the time when the two-rate tax was in effect.

Table A.1.4 Number of Building Permits in the Two-Rate Cities: Nonresidential Additions and Alterations

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	10	0	2	2	2	1	3	11	0	4	0	2	*	3	4
Clairton	109	15	8	6	3	11	2	2	7	3	8	1	4	0	*
Coatesville	64	27	3	13	5	1	*	*	*	*	*	*	*	*	*
Connelsville	*	*	4	*	*	*	*	*	*	*	0	*	*	*	*
Dubois	1	12	51	32	10	9	9	11	3	4	0	2	1	0	0
Duquesne	7	15	25	22	15	21	0	1	0	24	2	2	2	4	1
Harrisburg	184	191	140	161	171	210	244	244	214	221	259	272	286	272	294
Lock Haven	1	21	1	11	*	5	*	*	5	*	*	*	5	*	11
McKeesport	31	20	29	34	20	*	*	*	*	2	0	*	0	1	0
New Castle	4	*	5	*	0	4	16	0	6	8	7	19	1	8	4
Oil City	*	6	16	*	*	*	14	0	23	30	13	14	13	*	*
Pittsburgh	845	828	135	862	906	920	1048	1090	1295	1157	1046	1177	1232	1163	948
Scranton	11	12	1	*	2	0	0	0	*	*	0	136	179	254	343
Titusville	11	9	8	7	0	11	20	18	5	2	2	1	0	3	30
Washington	6	*	25	0	0	*	*	*	*	*	0	3	1	*	1

Note: The asterisk denotes a missing observation.
 The shaded areas denote the time when the two-rate tax was in effect.

APPENDIX B

**Table B.1.1 Real Value per Permit in Thousands of 1983 Dollars in the Two-Rate Cities:
Residential Whole Units**

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	48.6	67.1	34.2	20.6	23.6	*	*	*	*	25.8	*	*	*	*	65.8
Clairton	*	55.0	7.3	33.6	*	*	27.4	*	*	*	*	*	*	*	*
Coatesville	29.4	61.6	13.2	*	*	*	*	*	*	*	*	*	*	*	*
Connelsville	*	*	27.0	*	*	*	*	*	*	*	20.0	*	*	*	*
Dubois	40.0	36.9	47.2	47.1	36.1	46.6	36.5	132.0	25.0	22.6	45.2	43.2	43.8	28.0	*
Duquesne	47.1	18.5	18.5	*	*	*	5.6	16.7	*	12.1	*	22.0	*	*	*
Harrisburg	26.9	27.7	35.5	22.6	24.4	34.3	29.4	27.1	26.4	47.8	32.6	36.6	48.4	34.7	33.4
Lock Haven	42.6	58.7	53.9	29.5	*	*	*	*	48.9	*	*	*	19.8	*	22.3
McKeesport	50.7	39.6	36.3	37.4	19.7	*	*	*	*	48.4	*	*	*	65.7	50.5
New Castle	*	*	25.9	*	*	41.8	*	30.8	25.4	*	*	25.7	28.7	*	27.0
Oil City	*	35.5	45.8	*	*	*	139.4	69.7	107.6	64.5	86.5	84.4	6.4	*	*
Pittsburgh	52.7	48.2	47.4	67.9	36.4	33.2	38.4	45.7	35.6	59.6	47.6	22.7	40.0	61.8	59.2
Scranton	23.8	22.1	30.6	*	32.6	39.1	35.2	33.8	*	*	46.7	44.1	48.0	49.3	48.7
Titusville	35.5	62.2	71.2	47.6	41.1	81.5	*	81.0	107.1	94.8	45.9	20.0	57.0	141.9	*
Washington	12.7	*	41.6	44.2	*	*	*	*	*	*	43.3	24.5	37.8	*	20.2

Note: The asterisk denotes either a missing observation or a year when no permit was issued.
The shaded areas denote the time when the two-rate tax was in effect.

**Table B.1.2 Real Value per Permit in Thousands of 1983 Dollars in the Two-Rate Cities:
Residential Additions and Alterations**

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	7.6	5.1	4.3	2.5	3.1	3.9	5.3	3.2	6.1	4.0	4.4	4.5	*	2.8	6.2
Clairton	3.2	4.8	14.4	3.4	5.6	3.5	4.4	12.5	37.2	19.8	11.7	17.2	8.2	*	*
Coatesville	1.3	3.6	6.3	3.2	2.5	*	*	*	*	*	*	*	*	*	*
Connelsville	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Dubois	4.8	3.1	5.0	5.6	4.8	4.9	7.4	8.1	7.5	6.1	1.4	4.2	8.1	*	6.8
Duquesne	4.0	4.4	2.8	2.7	3.4	2.4	2.7	1.6	1.7	1.8	1.5	1.6	1.8	1.9	4.7
Harrisburg	5.3	6.6	13.1	15.4	6.5	6.0	6.0	7.2	8.0	7.2	4.2	4.1	4.6	3.6	4.7
Lock Haven	4.6	5.2	3.5	6.5	*	8.0	*	*	5.3	*	*	*	2.0	*	7.2
McKeesport	9.2	5.8	4.1	3.4	6.0	11.9	5.4	5.1	27.4	4.9	108.4	8.4	5.8	7.8	5.1
New Castle	3.6	*	4.1	*	6.1	4.1	3.2	3.4	3.1	7.6	3.5	9.9	3.2	7.5	5.7
Oil City	*	4.7	5.9	*	*	*	3.9	5.3	8.7	4.9	2.5	4.7	2.3	*	*
Pittsburgh	11.6	12.8	10.9	8.2	8.7	12.1	6.4	12.9	6.8	8.0	8.6	6.5	7.9	8.2	9.7
Scranton	3.1	5.3	8.6	*	9.9	12.5	8.7	9.9	*	*	*	2.7	2.3	2.5	2.2
Titusville	20.9	5.0	1.9	4.7	6.1	3.5	5.6	2.8	5.2	9.2	8.1	6.2	5.8	4.7	3.6
Washington	5.7	*	5.0	*	*	*	*	*	*	*	*	3.8	6.3	*	4.7

Note: The asterisk denotes either a missing observation or a year when no permit was issued.
The shaded areas denote the time when the two-rate tax was in effect.

**Table B.1.3 Real Value per Permit in Thousands of 1983 Dollars in the Two-Rate Cities:
Nonresidential Whole Units**

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	83.6	8.6	24.5	100.4	24.1	*	*	28.3	86.1	143.6	*	*	*	117.6	55.3
Clairton	12.4	*	*	8.0	*	63.5	*	*	102.7	*	*	*	192.4	*	*
Coatesville	*	*	4.6	*	*	*	*	*	*	*	*	*	*	*	*
Connelsville	*	*	74.3	*	*	*	*	*	*	*	149.2	*	*	*	*
Dubois	364.1	303.9	111.9	134.5	209.3	69.6	179.4	989.6	111.6	264.1	*	52.4	42.8	*	303.6
Duquesne	*	192.5	*	100.4	69.7	32.5	4.6	17.1	148.7	55.1	14.3	11.3	*	20.1	61.6
Harrisburg	525.5	1106	213.8	638.9	1107	186.5	716.9	443.8	5670	3666	115.3	1605	2524	316.7	739.0
Lock Haven	763.6	*	104.7	*	*	66.9	*	*	5.9	*	*	*	*	*	27.0
McKeesport	19.42	129.7	168.9	14.1	155.0	*	*	*	*	8.1	*	*	*	*	269.9
New Castle	*	*	*	*	*	27.9	188.6	*	233.9	82.6	116.8	36.7	44.2	106.9	424.3
Oil City	*	33.0	*	*	*	*	203.7	22.0	101.4	95.2	*	*	36.4	*	*
Pittsburgh	6843	15644	2718	869.9	660.3	4863	2626	716	1515	1673	550.1	1776	651.4	1205	2732
Scranton	108.7	130.7	410.9	*	313.5	107.9	138.6	69.1	*	*	51.0	118.9	936.3	1049	323.1
Titusville	*	58.7	52.3	64.4	18.2	40.0	33.1	1.8	523.9	64.5	121.4	25.3	28.5	24.2	*
Washington	*	*	68.4	*	153.7	197.8	8	88.0	33.8	150.4	27.2	373.0	*	34.6	*

Note: The asterisk denotes either a missing observation or a year when no permit was issued.
The shaded areas denote the time when the two-rate tax was in effect.

**Table B.1.4 Real Value per Permit in Thousands of 1983 Dollars in the Two-Rate Cities:
Nonresidential Additions and Alterations**

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	51.1	*	13.0	3.2	15.4	37.2	1.5	2.7	*	24.1	*	4.4	*	2.1	3.4
Clairton	2.9	5.0	8.2	2.4	8.0	21.6	18.9	133.0	27.1	2.2	43.3	2.2	0.8	*	*
Coatesville	7.7	10.8	5.4	5.2	18.3	3.6	*	*	*	*	*	*	*	*	*
Connelsville	*	*	3.5	*	*	*	*	*	*	*	*	*	*	*	*
Dubois	1.2	8.3	7.7	33.6	38.5	53.5	50.7	64.0	63.4	146.2	*	80.8	557.4	*	*
Duquesne	1.5	10.0	2.7	8.4	5.3	7.8	*	4.4	*	2.5	3.3	261.9	3.6	146.8	87.7
Harrisburg	50.1	166.1	44.1	92.2	54.6	83.0	32.6	145.8	60.2	50.4	54.2	47.5	49.3	29.05	50.15
Lock Haven	145.6	24.4	32.6	30.1	*	57.3	*	*	5.4	*	*	*	44.7	*	29.1
McKeesport	72.2	16.6	16.0	9.2	9.5	*	*	*	*	137.1	*	*	*	65.7	*
New Castle	250.3	*	64.4	*	*	35.5	7.44	*	3.0	47.4	18.7	58.1	21.0	30.0	377.0
Oil City	*	2.3	34.2	*	*	*	35.7	*	13.7	59.1	65.6	16.5	35.9	*	*
Pittsburgh	35.3	71.4	81.6	103.7	48.5	61.6	45.4	53.9	78.6	178.3	42.8	43.3	57.1	75.5	41.7
Scranton	96.8	338.8	3189	*	359.1	*	*	*	*	*	*	104.1	48.8	22.8	28.2
Titusville	5.0	30.6	22.4	0.6	*	11.3	16.9	2.7	45.3	109.3	26.8	1069	*	14.6	73.7
Washington	5.9	*	20.4	*	*	*	*	*	*	*	*	2.7	284.4	*	1073

Note: The asterisk denotes either a missing observation or a year when no permit was issued.
The shaded areas denote the time when the two-rate tax was in effect.

APPENDIX C

Table C.1 Number of Months for which Data are reported in the Two-Rate Cities

City	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Aliquippa	12	12	12	12	12	12	12	12	9	9	12	3	*	10	12
Clairton	12	12	12	12	12	12	12	12	12	12	12	12	12	1	*
Coatesville	12	12	12	6	5	2	*	*	*	*	*	*	*	*	*
Connelsville	*	*	12	*	*	*	*	*	*	*	12	*	*	*	*
Dubois	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Duquesne	12	12	12	12	12	12	12	12	12	11	12	12	12	12	12
Harrisburg	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Lock Haven	12	12	12	12	*	12	*	*	12	*	*	*	12	*	10
McKeesport	12	12	12	12	10	*	*	*	*	12	3	*	12	12	12
New Castle	3	*	12	*	1	3	10	4	10	12	11	10	12	12	12
Oil City	*	1	12	*	*	*	12	12	12	12	12	12	12	*	*
Pittsburgh	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Scranton	12	10	12	11	*	12	6	12	5	*	12	8	12	12	12
Titusville	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Washington	2	*	12	1	1	*	*	*	*	*	12	12	12	*	12

Note: The asterisk denotes a missing observation.
 The shaded areas denote the time when the two-rate tax was in effect.