SECTION XII

RESOURCES

SECTION XII

Resources (420.20)

The charts in this section are in the Appendix K format required by EPA. This format is based on function, not organization, and cannot be directly correlated with organizational structure in the State and local agencies. The best available data were used to project estimates.

In compiling these estimates, we assumed that no local air pollution programs would be practical for cities of less than 50,000 inhabitants and that $36,000 a year would be necessary to operate a minimum local agency. We also assumed that no local agency could operate effectively on less than ten cents per capita. In areas where local agencies have demonstrated outstanding management capabilities, the figures were adjusted to reflect lower cost estimates.

We started with actual manpower and funds for Fiscal Year 1972; we used population growth rate figure for the period 1960-70 as a basis for projecting estimates through Fiscal Year 1977. Industrial growth rate was based on the dollar value added by manufacture, shown in "Texas Manufactures - Area Statistics (1958-67)" supplied by the University of Texas Bureau of Business Research.

We realize that these figures are only estimates and that actual figures will differ. We therefore plan to revise the estimates yearly in order to project the latest data.

Section XIII of this plan gives the local agencies now in operation and the ones programmed for future development.

Impact of Fiscal Year 1972 Fund Reduction

The reduction in funds by the Federal Government in Fiscal Year 1972 has prevented the establishment of new programs (Austin, Wichita Falls, Orange and Waco) by the State agency and forced the State agency to curtail supplemental fund grants to established local programs. The State program has been forced to decrease capital expenditures for equipment, and to curtail services previously planned. Future fund reductions will decrease the capability of this agency and prevent orderly and projected expansion of all programs to keep pace with required air pollution control objectives.

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of All AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local * Agencies	State Agency	Local * Agencies	State Agency	Local * Agencies	State Agency	Local * Agencies
Enforcement Services	2,090	1,056	3,281	2,050	4,952	2,686	5,832	3,490
Operating funds .	1,395	718	2,195	1,363	3,318	1,773	3,901	2,378
Capital funds . .	418	169	572	345	830	459	984	556
Contract funds. .	277	169	514	342	804	454	947	556
Engineering services	725	328	1,086	683	1,652	900	1,958	1,166
Operating funds .	361	164	541	351	825	460	976	582
Capital funds . .	183	82	274	170	416	225	494	292
Contract funds. .	181	82	271	162	411	225	488	292
Technical services .	425	219	540	342	848	445	985	581
Operating funds .	212	109	266	182	420	221	489	290
Capital funds . .	124	55	163	80	242	112	285	145
Contract funds. .	89	55	111	80	186	112	211	146
Management services.	354	219	543	342	848	445	985	581
Operating funds .	204	109	269	182	420	221	489	290
Capital funds . .	102	55	163	80	242	112	285	145
Contract funds. .	48	55	111	80	186	112	211	146
Total operating funds.	2,172	1,100	3,271	2,078	4,979	2,665	5,848	3,540
Total capital funds.	827	361	1,172	675	1,730	908	2,047	1,138
Total contract funds	595	361	1,007	664	1,587	903	1,855	1,140
TOTAL FUNDS	3,594	1,822	5,450	3,417	8,296	4,476	9,750	5,818

* includes two or more programs

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of I AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local* Agencies	State Agency	Local * Agencies	State Agency	Local * Agencies
Enforcement Services	87	NA	138	48	208	57	245	62
Operating funds .	59		92	32	139	37	164	40
Capital funds . .	18		24	8	35	10	41	11
Contract funds. .			22	8	34	10	40	11
Engineering services	30		46	16	69	19	82	23
Operating funds .	15		23	8	35	10	41	11
Capital funds . .	8		12	4	17	5	21	6
Contract funds. .	7		11	4	17	4	20	6
Technical services .	18		23	8	36	10	41	11
Operating funds .	9		11	4	18	5	20	6
Capital funds . .	5		7	2	10	3	12	3
Contract funds. .	4		5	2	8	2	9	2
Management services.	16		23	8	36	11	41	11
Operating funds .	16		11	4	18	6	20	6
Capital funds . .			7	2	10	3	12	3
Contract funds. .			5	2	8	2	9	2
Total operating funds.	91		137	48	210	58	245	68
Total capital funds.	35		50	16	73	21	86	23
Total contract funds	25		43	16	66	18	78	21
TOTAL FUNDS	151	–	230	80	349	97	409	112

* includes two or more programs

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of II AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local* Agencies	State Agency	Local * Agencies	State Agency	Local * Agencies
Enforcement Services	121	36	190	61	287	95	338	115
Operating funds .	81	24	127	40	192	67	226	77
Capital funds . .	24	6	33	11	48	14	57	19
Contract funds. .	16	6	30	10	47	14	55	19
Engineering services	42	12	63	21	96	30	114	37
Operating funds .	21	6	31	10	48	15	57	18
Capital funds . .	11	3	16	5	24	8	29	10
Contract funds. .	10	3	16	6	24	7	28	9
Technical services .	24	7	31	11	49	17	57	20
Operating funds .	12	4	15	5	24	9	28	10
Capital funds . .	7	2	10	4	14	5	17	6
Contract funds. .	5	1	6	2	11	3	12	4
Management services.	20	7	31	11	49	17	57	20
Operating funds .	12	4	15	5	24	9	28	10
Capital funds . .	6	2	10	4	14	5	17	6
Contract funds. .	2	1	6	2	11	3	12	4
Total operating . funds.	126	38	189	104	288	100	339	115
Total capital funds.	48	13	69	52	100	32	118	41
Total contract funds	34	11	58	30	93	27	107	36
TOTAL FUNDS	208	62	316	104	481	159	564	192

* includes two or more programs

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of III AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local* Agencies	State Agency	Local * Agencies	State Agency	Local* Agencies
Enforcement Services	186	NA	292	52	441	70	519	71
Operating funds .	124		195	35	295	45	347	48
Capital funds . .	37		51	9	74	13	88	12
Contract funds. .	25		46	8	72	12	84	11
Engineering services	64		97	17	147	20	174	24
Operating funds .	32		48	9	73	10	87	12
Capital funds . .	16		25	5	37	5	44	6
Contract funds. .	16		24	3	37	5	43	6
Technical services .	38		48	9	75	10	88	12
Operating funds .	19		24	4	37	5	44	6
Capital funds . .	11		14	3	21	3	25	4
Contract funds. .	8		10	2	17	2	19	2
Management services.	31		48	9	75	10	88	12
Operating funds .	18		24	4	37	5	44	6
Capital funds . .	9		14	3	21	3	25	4
Contract funds. .	4		10	2	17	2	19	2
Total operating . funds.	193		291	52	442	65	521	72
Total capital funds.	74		104	20	154	24	182	26
Total contract funds	53		90	15	141	21	165	21
TOTAL FUNDS	320	-	485	87	737	110	868	119

* includes two or more programs

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of IV AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local * Agencies	State Agency	Local * Agencies	State Agency	Local * Agencies
Enforcement Services	81	22	128	54	193	65	227	220
Operating funds .	54	14	86	36	129	42	152	148
Capital funds . .	16	4	22	9	32	12	38	38
Contract funds. .	11	4	20	9	32	11	37	34
Engineering services	28	8	42	18	64	21	76	72
Operating funds .	14	5	21	9	32	11	38	36
Capital funds . .	7	2	11	5	16	5	19	18
Contract funds. .	7	1	10	4	16	5	19	18
Technical services .	16	5	22	10	33	11	38	36
Operating funds .	8	3	11	5	16	6	19	18
Capital funds . .	5	1	6	3	9	3	11	10
Contract funds. .	3	1	5	2	7	2	8	8
Management services.	14	4	21	10	33	11	38	36
Operating funds .	8	2	10	5	16	6	19	18
Capital funds . .	4	1	6	3	9	3	11	10
Contract funds. .	2	1	5	2	7	2	8	8
Total operating funds.	84	24	128	55	193	65	228	220
Total capital funds.	32	8	46	20	67	23	80	76
Total contract funds	23	7	39	17	62	20	72	68
TOTAL FUNDS	140	40	213	92	322	108	380	364

* includes two or more programs

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of V AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement Services	100	27	157	49	238	65	280	95
Operating funds .	67	18	105	32	159	44	187	63
Capital funds . .	20	4	27	9	40	11	47	16
Contract funds. .	13	5	25	8	39	10	46	16
Engineering services	35	11	52	16	79	22	94	32
Operating funds .	17	5	26	8	40	11	47	16
Capital funds . .	9	3	13	4	20	6	24	8
Contract funds. .	9	3	13	4	19	5	23	8
Technical services .	20	7	26	8	41	11	47	16
Operating funds .	10	4	13	4	20	5	23	8
Capital funds . .	6	2	8	2	12	4	14	4
Contract funds. .	4	1	5	2	9	2	10	4
Management services.	17	6	26	8	41	10	47	16
Operating funds .	10	4	13	4	20	5	23	8
Capital funds . .	5	1	8	2	12	3	14	5
Contract funds. .	2	1	5	2	9	2	10	3
Total operating . funds.	104	31	157	48	239	65	281	95
Total capital funds.	40	10	56	17	83	24	98	33
Total contract funds	29	10	48	16	76	19	89	31
TOTAL FUNDS	173	51	261	81	398	108	468	159

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of VI AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement Services	80	N.A.	125	21	188	27	221	33
Operating funds .	53		83	14	126	18	148	22
Capital funds . .	16		22	4	31	5	37	6
Contract funds. .	11		20	3	31	4	36	5
Engineering services	28		41	7	63	9	74	11
Operating funds .	14		20	4	31	4	37	6
Capital funds . .	7		10	2	16	3	19	3
Contract funds. .	7		10	1	16	2	18	2
Technical services .	16		20	4	32	5	37	6
Operating funds .	8		10	2	16	3	18	3
Capital funds . .	5		6	1	9	1	11	2
Contract funds. .	3		4	1	7	1	8	1
Management services.	13		20	4	32	5	37	5
Operating funds .	8		10	2	16	3	18	2
Capital funds . .	4		6	1	9	1	11	2
Contract funds. .	1		4	1	7	1	8	1
Total operating . funds.	83		123	22	189	28	222	33
Total capital funds.	31		45	8	66	10	78	13
Total contract funds	23		38	6	60	8	71	9
TOTAL FUNDS	137		207	36	315	46	371	55

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of VII* AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement Services	433	556	679	638	1,025	959	1,207	1,248
Operating funds .	289	390	454	412	687	633	807	824
Capital funds . .	87	83	119	108	172	163	204	212
Contract funds. .	57	83	106	108	166	163	196	212
Engineering services	150	185	225	215	342	320	405	416
Operating funds .	75	93	112	109	171	160	202	208
Capital funds . .	38	46	57	53	86	80	102	104
Contract funds. .	37	46	56	53	85	80	101	104
Technical services .	88	93	112	106	175	160	204	208
Operating funds .	44	46	55	53	87	94	101	104
Capital funds . .	26	25	34	30	50	33	59	52
Contract funds. .	18	22	23	23	38	33	44	52
Management services.	73	93	112	106	175	160	204	208
Operating funds .	42	46	55	53	87	94	101	104
Capital funds . .	21	25	34	30	50	33	59	52
Contract funds. .	10	22	23	23	38	33	44	52
Total operating . funds.	450	575	677	638	1,032	981	1,211	1,240
Total capital funds.	171	179	243	221	358	309	424	420
Total contract funds	123	173	208	207	328	309	384	420
TOTAL FUNDS	741	927	1,128	1,066	1,718	1,599	2,019	2,080

* includes two or more programs

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of VIII* AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local* Agencies	State Agency	Local* Agencies	State Agency	Local * Agencies
Enforcement Services	497	275	781	339	1,179	486	1,388	606
Operating funds .	332	184	523	227	790	325	929	406
Capital funds . .	99	46	136	57	198	82	234	103
Contract funds. .	66	45	122	55	191	79	225	97
Engineering services	173	92	258	113	393	162	466	202
Operating funds .	86	46	129	56	196	81	232	101
Capital funds . .	44	23	65	28	99	40	118	51
Contract funds. .	43	23	64	29	98	41	116	50
Technical services .	101	46	129	56	202	81	234	101
Operating funds .	50	23	63	28	100	40	116	50
Capital funds . .	30	13	39	16	58	24	68	30
Contract funds. .	21	10	27	12	44	17	50	21
Management services.	84	46	129	57	202	82	234	101
Operating funds .	49	24	63	28	100	41	116	50
Capital funds . .	24	13	39	17	58	24	68	30
Contract funds. .	11	9	27	12	44	17	50	21
Total operating . funds.	517	277	778	339	1,186	487	1,392	607
Total capital funds.	197	95	279	118	412	170	487	214
Total contract funds	142	87	240	108	378	154	442	189
TOTAL FUNDS	855	459	1,297	565	1,976	811	2,321	1,010

* includes two or more programs

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of IX AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement Services	211	80	331	106	500	149	589	201
Operating funds .	141	54	222	71	335	99	394	134
Capital funds . .	42	13	58	18	84	25	99	34
Contract funds. .	28	13	52	17	81	25	96	33
Engineering services	73	27	110	35	167	50	198	67
Operating funds .	36	14	55	18	83	25	99	33
Capital funds . .	18	7	28	9	42	13	50	17
Contract funds. .	18	6	27	8	42	12	49	17
Technical services .	43	13	54	18	85	25	99	34
Operating funds .	21	6	27	9	42	12	49	17
Capital funds . .	13	4	16	5	24	8	29	10
Contract funds. .	9	3	11	4	19	5	21	7
Management services.	36	13	55	18	86	25	99	34
Operating funds .	21	7	27	9	42	13	49	17
Capital funds . .	10	4	17	5	24	8	29	10
Contract funds. .	5	2	11	4	19	4	21	7
Total operating . funds.	219	81	330	107	502	149	591	201
Total capital funds.	84	28	118	37	175	54	207	71
Total contract funds	60	24	102	33	160	46	187	64
TOTAL FUNDS	363	133	550	177	837	249	985	336

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of X AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local* Agencies	State Agency	Local* Agencies	State Agency	Local* Agencies
Enforcement Services	104	60	164	132	248	166	291	154
Operating funds .	70	40	110	88	166	112	195	103
Capital funds . .	21	10	28	22	42	27	49	26
Contract funds. .	13	10	24	22	40	27	47	25
Engineering services	36	20	54	44	83	55	98	51
Operating funds .	18	10	27	22	41	28	49	25
Capital funds . .	9	5	14	11	21	14	25	13
Contract funds. .	9	5	13	11	21	13	24	13
Technical services .	21	10	27	22	42	28	49	26
Operating funds .	11	5	13	11	21	15	24	13
Capital funds . .	6	3	8	6	12	8	14	8
Contract funds. .	4	2	6	5	9	5	11	5
Management services.	18	10	27	23	42	28	49	26
Operating funds .	10	5	13	12	21	15	24	13
Capital funds . .	5	3	8	6	12	8	14	8
Contract funds. .	3	2	6	5	9	5	11	5
Total operating . funds.	109	60	164	133	249	170	292	154
Total capital funds.	41	21	58	45	87	57	102	55
Total contract funds	30	19	50	43	79	50	93	48
TOTAL FUNDS	180	64	272	221	415	277	487	257

* includes two or more programs

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of XI AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement Services	71	85	112	107	168	121	198	146
Operating funds .	47	57	75	72	113	81	132	98
Capital funds . .	14	14	19	18	28	20	33	24
Contract funds. .	10	14	17	17	27	20	33	24
Engineering services	25	28	37	36	56	40	66	49
Operating funds .	12	14	18	18	28	20	33	25
Capital funds . .	7	7	10	9	14	10	17	12
Contract funds. .	6	7	9	9	14	10	16	12
Technical services .	14	14	18	18	29	20	34	24
Operating funds .	7	7	9	9	14	10	17	12
Capital funds . .	4	4	5	6	8	6	10	7
Contract funds. .	3	3	4	4	6	4	7	5
Management services.	12	15	18	18	29	21	34	25
Operating funds .	7	7	9	9	14	10	17	13
Capital funds . .	3	5	5	5	8	6	10	7
Contract funds. .	2	3	4	4	6	5	7	5
Total operating funds.	74	85	111	107	169	121	199	148
Total capital funds.	27	30	40	38	59	42	70	50
Total contract funds	21	27	34	34	54	39	63	46
TOTAL FUNDS	122	142	185	179	282	202	332	244

APPENDIX K--CONTROL AGENCY FUNCTIONS

Fund estimates for State of Texas portion of XII AQCR.
(Funds in $1,000)

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement Services	117	N.A.	184	52	277	53	326	54
Operating funds .	78		123	35	186	36	218	36
Capital funds . .	23		32	9	46	9	55	9
Contract funds. .	16		29	8	45	8	53	9
Engineering services	40		60	17	92	18	110	18
Operating funds .	20		30	8	46	9	55	9
Capital funds . .	10		15	5	23	5	28	5
Contract funds. .	10		15	4	23	4	27	4
Technical services .	24		30	9	47	9	55	9
Operating funds .	12		15	4	23	4	27	4
Capital funds . .	7		9	3	14	3	16	3
Contract funds. .	5		6	2	10	2	12	2
Management services.	20		30	8	47	8	55	9
Operating funds .	11		15	4	23	4	27	4
Capital funds . .	6		9	3	14	3	16	3
Contract funds. .	3		6	1	10	1	12	2
Total operating funds.	122		183	51	278	53	327	53
Total capital funds.	46		66	20	97	20	115	20
Total contract funds	33		56	15	88	15	104	17
TOTAL FUNDS	201		305	86	464	88	546	90

APPENDIX K--CONTROL AGENCY FUNCTIONS

Man-year estimates by function for State of Texas portion of All AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement services . . . (Subtotal)	115.5	89.8	144.4	131.5	193.6	140.6	224.3	154.7
Scheduled inspections.	57.7	44.9	72.4	66.4	96.9	70.1	111.8	78.0
Complaints & field patrol.	57.8	44.9	72.0	65.1	96.7	70.5	112.5	76.7
Engineering services . . . (Subtotal)	47.55	27.1	58.0	45.5	77.5	55.4	89.0	60.3
Permit system	14.2	6.1	17.2	9.6	23.2	11.3	26.4	12.5
Emission estimates . .	14.2	6.3	17.5	10.4	23.0	12.9	26.2	13.2
Source testing	14.4	12.4	17.4	22.5	23.1	27.2	26.2	29.7
Reports, new Legislation	4.75	2.3	5.9	3.0	8.2	4.0	10.2	4.9
Technical services . . . . (Subtotal)	47.35	29.76	57.4	46.6	75.7	55.0	87.2	60.0
Operation of monitoring network	23.40	14.2	28.3	23.3	37.2	27.6	42.6	30.0
Special studies . . .	4.78		5.5		7.5		8.4	
Instrument Calibration & Maintenance	9.20	15.56	11.3	23.3	15.7	27.4	18.0	30.0
Laboratory Operations.	5.18		6.2		8.2		9.3	
Data Processing . . .	4.79		6.1		7.1		8.9	
Management services . . . (Subtotal)	23.6	13.8	29.2	23.6	39.1	30.3	45.5	33.20
Policy,P/R,Strategies,etc	5.2	3.8	6.5	5.9	8.5	7.7	10.3	8.7
Staff training	4.8	3.6	6.1	5.3	8.3	7.4	10.0	7.9
Administrative and clerical support . .	13.6	6.4	16.6	12.4	22.3	15.2	25.2	16.7
TOTALS	234.0	160.46	289.0	247.2	385.9	281.3	446.0	308.20

APPENDIX K--CONTROL AGENCY FUNCTIONS

an-year estimates by function for State of Texas portion of I AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
nforcement services . . . (Subtotal)	5.0		5.2	3.6	8.0	4.5	9.0	5.0
Scheduled inspections.	2.5		2.6	2.0	4.0	2.0	4.5	2.5
omplaints & field patrol.	2.5		2.6	1.6	4.0	2.5	4.5	2.5
ngineering services . . . (Subtotal)	2.0		2.2	1.2	3.1	1.8	3.5	2.0
Permit system	.6		.7	.2	1.0	.5	1.0	.6
Emission estimates . .	.6		.7	.5	1.0	.4	1.0	.6
Source testing	.6		.6	.5	1.0	.9	1.0	.6
Reports, new Legislation	.2		.2		.1		.5	.2
echnical services . . . . (Subtotal)	2.0		2.2	.6	3.1	1.8	3.5	2.0
Operation of monitoring network	.6		.7	.3	1.2	.9	1.3	1.0
Special studies . . .	.1		.1		.2		.2	
Instrument Calibration & Maintenance	.6		.7	.3	.8	.9	.9	1.0
Laboratory Operations.	.6		.6		.8		.9	
Data Processing . . .	.1		.1		.1		.2	
anagement services . . . (Subtotal)	1.2		1.5	1.3	2.0	.9	2.7	1.0
Policy,P/R,Strategies,etc	.3		.4	.2	.5	.2	.6	.3
Staff training	.3		.4	.1	.5	.2	.6	.2
Administrative and clerical support . .	.6		.7	1.0	1.0	.5	1.5	.5
TOTALS	10.2		11.1	6.7	16.2	9.0	18.7	10.0

APPENDIX K--CONTROL AGENCY FUNCTIONS

Man-year estimates by function for State of Texas portion of II AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement services . . . (Subtotal)	6.5	2.8	8.4	6.0	11.1	7.5	13.0	8.2
Scheduled inspections.	3.2	1.4	4.2	3.0	5.6	3.8	6.5	4.1
Complaints & field patrol.	3.3	1.4	4.2	3.0	5.5	3.7	6.5	4.1
Engineering services . . . (Subtotal)	2.7	1.1	3.3	2.4	4.5	2.8	5.2	3.0
Permit system	.8	.3	1.0		1.4		1.5	
Emission estimates . .	.8	.3	1.0	1.2	1.3	1.4	1.6	1.5
Source testing	.9	.4	1.0	1.2	1.3	1.4	1.6	1.5
Reports, new Legislation	.2	.1	.3		.5		.5	
Technical services . . . . (Subtotal)	2.8	1.2	3.4	2.4	4.6	2.8	5.1	3.0
Operation of monitoring network	1.4	.6	1.7	1.2	2.3	1.4	2.5	1.5
Special studies . . .	.3	.2	.3		.4		.5	
Instrument Calibration & Maintenance	.5	.2	.6	1.2	.9	1.4	1.0	1.5
Laboratory Operations.	.3	.1	.3		.4		.5	
Data Processing . . .	.3	.1	.5		.6		.6	
Management services . . . (Subtotal)	1.3	.5	1.7	1.2	2.2	1.4	2.6	1.0
Policy,P/R,Strategies,etc	.2	.1	.4	.4	.4	.4	.6	.3
Staff training	.2	.1	.3	.2	.4	.3	.5	.2
Administrative and clerical support . .	.9	.3	1.0	.6	1.4	.7	1.5	.5
TOTALS	13.3	5.6	16.8	12.0	22.4	14.5	25.9	15.2

APPENDIX K--CONTROL AGENCY FUNCTIONS

an-year estimates by function for State of Texas portion of III AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
nforcement services . . . (Subtotal)	10.2		12.3	3.6	17.0	4.2	20.0	4.6
Scheduled inspections.	5.1		6.2	1.8	8.5	2.1	10.0	2.3
omplaints & field patrol.	5.1		6.1	1.8	8.5	2.1	10.0	2.3
ngineering services . . . (Subtotal)	4.2		5.3	1.4	6.7	1.6	7.9	1.8
Permit system	1.3		1.5	.3	2.0	.1	2.4	.1
Emission estimates . .	1.3		1.7	.5	2.0	.6	2.3	.5
Source testing	1.2		1.5	.6	2.0	.8	2.4	.9
Reports, new Legislation	.4		.6		.7	.1	.8	.3
echnical services . . . . (Subtotal)	4.1		5.2	1.4	6.7	1.6	7.8	1.8
Operation of monitoring network	2.1		2.5	.7	3.3	.8	3.6	.9
Special studies . . .	.4		.5		.6		.7	
Instrument Calibration & Maintenance	.8		1.0	.7	1.3	.8	1.5	.9
Laboratory Operations.	.4		.6		.8		1.0	
Data Processing . . .	.4		.6		.7		1.0	
anagement services . . . (Subtotal)	2.0		2.5	.7	3.4	1.0	4.0	1.0
Policy,P/R,Strategies,etc	.4		.6	.2	.7	.3	.8	.3
Staff training	.4		.6	.1	.7	.2	.8	.2
Administrative and clerical support . .	1.2		1.3	.4	2.0	.5	2.4	.5
TOTALS	20.5		25.3	7.1	33.8	8.4	39.7	9.2

APPENDIX K--CONTROL AGENCY FUNCTIONS

Man-year estimates by function for State of Texas portion of IV AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement services . . . (Subtotal)	4.8	2.3	5.6	2.5	7.5	2.5	8.5	2.6
Scheduled inspections.	2.4	1.2	2.8	1.3	3.8	1.2	4.3	1.3
Complaints & field patrol.	2.4	1.1	2.8	1.2	3.7	1.3	4.2	1.3
Engineering services . . . (Subtotal)	1.9	1.0	2.3	1.0	3.0	1.0	3.6	1.0
Permit system	.6	.3	.7	.3	.9	.3	1.1	.3
Emission estimates . .	.6	.2	.7	.2	.9	.2	1.1	.2
Source testing	.6	.5	.7	.5	.9	.5	1.0	.5
Reports, new Legislation	.1		.2		.3		.4	
Technical services . . . . (Subtotal)	1.8	1.0	2.3	1.0	3.0	1.0	3.5	1.0
Operation of monitoring network	.9	.5	1.2	.5	1.5	.5	1.7	.5
Special studies . . .	.2	.1	.3		.3		.3	
Instrument Calibration & Maintenance	.3	.2	.4	.5	.6	.5	.7	.5
Laboratory Operations.	.2	.1	.2		.3		.4	
Data Processing . . .	.2	.1	.2		.3		.4	
Management services . . . (Subtotal)	1.0	.45	1.1	.5	1.5	.5	1.7	.6
Policy,P/R,Strategies,etc	.2	.07	.3	.1	.3	.1	.4	.2
Staff training	.2	.08	.2	.1	.3	.1	.3	.1
Administrative and clerical support . .	.6	.30	.6	.3	.9	.3	1.0	.3
TOTALS	9.5	4.75	11.3	5.0	15.0	5.0	17.3	5.2

APPENDIX K--CONTROL AGENCY FUNCTIONS

Man-year estimates by function for State of Texas portion of V AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement services . . . (Subtotal)	5.5	2.5	6.9	4.3	9.2	5.3	10.7	6.0
Scheduled inspections.	2.8	1.3	3.5	2.1	4.6	2.6	5.4	3.0
Complaints & field patrol.	2.7	1.2	3.4	2.2	4.6	2.7	5.3	3.0
Engineering services . . . (Subtotal)	2.3	1.0	2.8	1.6	3.8	1.8	4.3	2.0
Permit system	.7	.3	.8	.4	1.2	.4	1.3	.5
Emission estimates . .	.7	.3	.9	.3	1.1	.4	1.3	.4
Source testing	.7	.3	.8	.8	1.1	.9	1.3	1.0
Reports, new Legislation	.2	.1	.3	.1	.4	.1	.4	.1
Technical services . . . . (Subtotal)	2.2	1.0	2.8	1.6	3.7	1.8	4.3	2.0
Operation of monitoring network	1.1	.5	1.4	.8	1.8	.9	2.1	1.0
Special studies . . .	.2	.1	.3		.4		.5	
Instrument Calibration & Maintenance	.4	.2	.5	.8	.7	.9	.8	1.0
Laboratory Operations.	.2	.1	.2		.4		.4	
Data Processing . . .	.3	.1	.4		.4		.5	
Management services . . . (Subtotal)	1.1	.5	1.4	1.1	1.8	.9	2.1	1.0
Policy,P/R,Strategies,etc	.3	.1	.3	.3	.4	.3	.5	.3
Staff training	.2	.1	.3	.2	.4	.2	.5	.2
Administrative and clerical support . .	.6	.3	.8	.6	1.0	.4	1.1	.5
TOTALS	11.1	5.0	13.9	8.6	18.5	9.8	21.4	11.0

APPENDIX K--CONTROL AGENCY FUNCTIONS

Man-year estimates by function for State of Texas portion of VI AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement services . . . (Subtotal)	4.6		5.0	1.7	7.3	1.9	8.0	1.9
Scheduled inspections.	2.3		2.5	.9	3.7	.9	4.0	1.0
Complaints & field patrol.	2.3		2.5	.8	3.6	1.0	4.0	.9
Engineering services . . . (Subtotal)	1.8		2.0	.6	2.9	.7	3.2	.7
Permit system	.5		.6	.2	.8	.2	.9	.2
Emission estimates . .	.5		.6	.1	.8	.2	.9	.2
Source testing	.6		.6	.3	.9	.3	.9	.3
Reports, new Legislation	.2		.2		.4		.5	
Technical services . . . . (Subtotal)	1.9		2.0	.6	2.8	.7	3.2	.7
Operation of monitoring network	1.0		1.0	.3	1.4	.3	1.6	.3
Special studies . . .	.2		.2		.3		.4	
Instrument Calibration & Maintenance	.4		.4	.3	.6	.4	.6	.4
Laboratory Operations.	.2		.2		.3		.3	
Data Processing . . .	.1		.2		.2		.3	
Management services . . . (Subtotal)	.9		1.0	.4	1.5	.4	1.6	.5
Policy,P/R,Strategies,etc	.2		.2	.1	.3	.1	.4	.1
Staff training	.2		.2	.1	.3	.1	.3	.1
Administrative and clerical support . .	.5		.6	.2	.9	.2	.9	.3
TOTALS	9.2		10.0	3.3	14.6	3.7	16.0	3.8

APPENDIX K--CONTROL AGENCY FUNCTIONS

an-year estimates by function for State of Texas portion of VII AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
nforcement services . . . (Subtotal)	24.0	47.0	30.0	57.2	40.0	56.2	46.0	65.0
Scheduled inspections.	12.0	24.0	15.0	28.6	20.0	28.1	23.0	32.5
omplaints & field patrol.	12.0	23.0	15.0	28.6	20.0	28.1	23.0	32.5
ngineering services . . . (Subtotal)	9.6	14.5	12.0	17.0	16.0	22.7	18.7	26.2
Permit system	2.8	4.3	3.6	2.8	4.8	3.7	5.6	4.4
Emission estimates . .	2.8	4.4	3.6	2.8	4.8	3.8	5.6	4.4
Source testing	2.8	4.4	3.6	8.5	4.8	11.4	5.6	13.1
Reports, new Legislation	1.2	1.4	1.2	2.9	1.6	3.8	1.9	4.3
echnical services . . . . (Subtotal)	9.7	15.4	11.8	18.8	15.9	22.3	18.6	25.9
Operation of monitoring network	4.8		5.9		7.9		9.3	12.9
Special studies . . .	1.0	7.7	1.2	9.4	1.7	11.2	1.7	
Instrument Calibration & Maintenance	2.0	7.7	2.3	9.4	3.3	11.1	4.3	13.0
Laboratory Operations.	.9		1.2		1.5		1.6	
Data Processing . . .	1.0		1.2		1.5		1.7	
nagement services . . . (Subtotal)	5.0	6.5	6.0	8.4	8.0	12.3	9.0	14.1
Policy,P/R,Strategies,etc	1.0	1.6	1.2	2.1	1.6	3.1	2.0	3.5
Staff training	1.0	1.6	1.2	2.1	1.6	3.1	2.0	3.6
Administrative and clerical support . .	3.0	3.3	3.6	4.2	4.8	6.1	5.0	7.0
TOTALS	48.3	83.4	59.8	101.4	79.9	113.5	92.3	131.2

APPENDIX K--CONTROL AGENCY FUNCTIONS

Man-year estimates by function for State of Texas portion of VIII AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement services . . . (Subtotal)	27.0	22.4	36.0	25.1	46.0	28.7	55.0	29.0
Scheduled inspections.	13.5	11.2	18.0	12.6	23.0	14.4	27.0	15.0
Complaints & field patrol.	13.5	11.2	18.0	12.5	23.0	14.3	28.0	14.0
Engineering services . . . (Subtotal)	11.25	4.15	14.1	10.1	19.3	11.0	21.2	11.0
Permit system	3.3	1.25	4.2	3.1	5.7	3.0	6.1	3.3
Emission estimates . .	3.3	1.25	4.2	2.0	5.8	3.0	6.1	2.2
Source testing	3.4	1.25	4.3	5.0	5.8	5.0	6.1	5.5
Reports, new Legislation	1.25	.4	1.4		2.0		2.9	
Technical services . . . . (Subtotal)	11.25	5.78	14.0	10.0	18.0	11.0	20.0	11.0
Operation of monitoring network	6.0	3.0	7.0	5.0	9.0	5.5	10.0	5.5
Special studies . . .	1.08		1.1		1.7		2.0	
Instrument Calibration & Maintenance	2.0	2.78	2.8	5.0	4.0	5.5	4.0	5.5
Laboratory Operations.	1.08		1.5		1.7		2.0	
Data Processing . . .	1.09		1.6		1.6		2.0	
Management services . . . (Subtotal)	5.5	3.25	7.1	5.0	9.3	6.0	11.0	7.0
Policy,P/R,Strategies,etc	1.2	.63	1.5	1.2	2.2	1.5	2.5	1.8
Staff training	1.2	.62	1.4	1.2	2.1	1.5	2.5	1.7
Administrative and clerical support . .	3.1	2.0	4.2	2.6	5.0	3.0	6.0	3.5
TOTALS	55.0	35.65	71.2	50.2	92.6	56.2	107.2	58.0

APPENDIX K--CONTROL AGENCY FUNCTIONS

ın-year estimates by function for State of Texas portion of IX AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
ıforcement services . . . (Subtotal)	12.0	6.2	15.0	9.7	20.0	11.3	23.0	12.1
Scheduled inspections.	6.0	3.1	7.5	4.7	10.0	5.7	11.0	6.1
ımplaints & field patrol.	6.0	3.1	7.5	5.0	10.0	5.6	12.0	6.0
ıgineering services . . . (Subtotal)	4.7	2.5	5.7	3.6	7.6	4.4	8.8	4.8
Permit system	1.4	.5	1.7	.6	2.3	1.1	2.6	1.2
Emission estimates . .	1.4	.8	1.7	1.2	2.2	1.1	2.6	1.2
Source testing	1.5	1.2	1.8	1.8	2.3	2.2	2.7	2.4
Reports, new Legislation	.4		.5		.8		.9	
:chnical services . . . . (Subtotal)	4.7	2.6	5.6	3.6	7.5	4.4	8.7	4.8
Operation of monitoring network	2.2	1.3	2.8	1.8	3.6	2.2	4.3	2.4
Special studies . . .	.5		.5		.8		.8	
Instrument Calibration & Maintenance	.9	1.3	1.2	1.8	1.5	2.2	1.8	2.4
Laboratory Operations.	.5		.5		.8		.9	
Data Processing . . .	.6		.6		.8		.9	
nagement services . . . (Subtotal)	2.3	1.2	2.9	1.2	3.9	2.5	4.5	3.4
Policy,P/R,Strategies,etc	.5	.6	.7	.3	.9	.6	.9	.9
Staff training	.5	.6	.7	.3	.9	.6	.9	.8
Administrative and clerical support . .	1.3		1.5	.6	2.1	1.3	2.7	1.7
TOTALS	23.7	12.5	29.2	18.7	39.0	22.6	45.0	25.1

APPENDIX K--CONTROL AGENCY FUNCTIONS

Man-year estimates by function for State of Texas portion of X AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement services . . . (Subtotal)	5.0	1.5	7.0	8.0	10.0	9.0	11.0	10.2
Scheduled inspections.	2.5	.7	3.5	4.0	5.0	4.5	6.0	5.1
Complaints & field patrol.	2.5	.8	3.5	4.0	5.0	4.5	5.0	5.1
Engineering services . . . (Subtotal)	2.7	.85	3.0	3.2	3.7	3.8	4.5	3.8
Permit system	.8	.25	.8	.8	1.0	1.0	1.5	.9
Emission estimates . .	.8	.25	.8	.8	1.0	.9	1.3	1.0
Source testing	.8	.25	.9	1.6	1.0	1.9	1.2	1.9
Reports, new Legislation	.3	.10	.5		.7		.5	
Technical services . . . . (Subtotal)	2.7	.8	3.0	3.2	3.6	3.8	4.5	3.8
Operation of monitoring network	1.3	.4	1.5	1.6	1.8	1.9	2.2	1.9
Special studies . . .	.3	.08	.3		.4		.5	
Instrument Calibration & Maintenance	.5	.16	.6	1.6	.7	1.9	.8	1.9
Laboratory Operations.	.3	.08	.3		.4		.5	
Data Processing . . .	.3	.08	.3		.3		.5	
Management services . . . (Subtotal)	1.1	.3	1.4	1.6	2.0	2.4	2.3	1.4
Policy,P/R,Strategies,etc	.4	.07	.3	.4	.4	.6	.5	.4
Staff training	.1	.08	.3	.4	.4	.6	.5	.3
Administrative and clerical support . .	.6	.15	.8	.8	1.2	1.2	1.3	.7
TOTALS	11.5	3.45	14.4	16.0	19.3	19.0	22.3	19.2

APPENDIX K--CONTROL AGENCY FUNCTIONS

an-year estimates by function for State of Texas portion of XI AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
nforcement services . . . (Subtotal)	3.9	5.1	4.9	5.8	6.5	6.0	7.6	6.1
Scheduled inspections.	1.9	2.6	2.5	2.9	3.2	3.0	3.8	3.1
omplaints & field patrol.	2.0	2.5	2.4	2.9	3.3	3.0	3.8	3.0
ngineering services . . . (Subtotal)	1.6	2.0	2.0	2.2	2.7	2.4	3.1	2.4
Permit system	.5	.5	.6	.6	.8	.6	.9	.6
Emission estimates . .	.5	.5	.6	.5	.8	.6	.9	.6
Source testing	.5	1.0	.6	1.1	.8	1.2	.9	1.2
Reports, new Legislation	.1		.2		.3		.4	
echnical services . . . . (Subtotal)	1.5	1.98	1.9	2.2	2.6	2.4	3.0	2.4
Operation of monitoring network	.7	1.0	1.0	1.1	1.3	1.2	1.5	1.2
Special studies . . .	.2		.3		.3		.3	
Instrument Calibration & Maintenance	.3	.98	.3	1.1	.5	1.2	.6	1.2
Laboratory Operations.	.2		.2		.3		.3	
Data Processing . . .	.1		.1		.2		.3	
anagement services . . . (Subtotal)	.8	1.1	1.0	1.6	1.3	1.2	1.5	1.4
Policy,P/R,Strategies,etc	.2	.3	.2	.4	.3	.3	.4	.4
Staff training	.2	.3	.2	.4	.3	.3	.4	.3
Administrative and clerical support . .	.4	.5	.6	.8	.7	.6	.7	.7
TOTALS	7.8	10.18	9.8	11.8	13.1	12.0	15.2	12.3

APPENDIX K--CONTROL AGENCY FUNCTIONS

Man-year estimates by function for State of Texas portion of XII AQCR.

FUNCTION	YEAR							
	PRESENT		1973		1975		1977	
	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies	State Agency	Local Agencies
Enforcement services . . . (Subtotal)	7.0		8.1	3.0	11.0	3.5	12.5	4.0
Scheduled inspections.	3.5		4.1	1.5	5.5	1.8	6.3	2.0
Complaints & field patrol.	3.5		4.0	1.5	5.5	1.7	6.2	2.0
Engineering services . . . (Subtotal)	2.8		3.3	1.2	4.2	1.4	5.0	1.6
Permit system	.9		1.0	.3	1.3	.4	1.5	.4
Emission estimates . .	.9		1.0	.3	1.3	.3	1.5	.4
Source testing	.8		1.0	.6	1.2	.7	1.5	.8
Reports, new Legislation	.2		.3		.4		.5	
Technical services . . . . (Subtotal)	2.7		3.2	1.2	4.2	1.4	5.0	1.6
Operation of monitoring network	1.3		1.6	.6	2.1	.7	2.5	.8
Special studies . . .	.3		.4		.4		.5	
Instrument Calibration & Maintenance	.5		.5	.6	.8	.7	1.0	.8
Laboratory Operations.	.3		.4		.5		.5	
Data Processing . . .	.3		.3		.4		.5	
Management services . . . (Subtotal)	1.4		1.6	.6	2.2	.8	2.5	.8
Policy,P/R,Strategies,etc	.3		.4	.2	.5	.2	.7	.2
Staff training	.3		.3	.1	.4	.2	.7	.2
Administrative and clerical support . .	.8		.9	.3	1.3	.4	1.1	.4
TOTALS	13.9		16.2	6.0	21.6	7.1	25.0	8.0