# 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.

## Impact of Fiscal Year 1973 Fund Reduction

The funding and manpower projections made for Fiscal Years 1973, 1975, 1977 were based on projected needs. These resource needs are still valid based on present data. However, due to the lower than anticipated Federal Funding level, these projections were not met for Fiscal Year 1973.

Funding need for 1973 for the State Program was $5,450,000. The actual funds are $4,250,693. The funding need for local programs for 1973 was $3,417,000. The actual funds are $2,061,073.

Manpower needs for 1973 for the State Program was 289 people, the actual number is 259 people. The manpower need for local programs for 1972 was 247.2 people. The actual number is 172.4 people.

The actual figures for 1973 include Harris County, Austin-Travis County, and Abilene-Taylor County who do not have a Federal grant.

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 |
| mplaints & 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 |
| chnical 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 |
| mplaints & 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 |