

DEPARTMENT OF PUBLIC HEALTH

ITEM 195 of the Budget Bill

Budget page 524

FOR SUPPORT OF DEPARTMENT OF PUBLIC HEALTH
FROM THE GENERAL FUND

Amount requested	\$8,159,255
State employees' retirement	453,861
State employees' health and welfare	52,994
Total	\$8,666,110
Estimated to be expended in 1961-62 fiscal year	8,604,479
Increase (0.7 percent)	\$61,631
TOTAL RECOMMENDED REDUCTION	\$75,360

Summary of Recommended Reductions

	Amount	Budget Page	Line
Division of Preventive Medical Services			
Bureau of Crippled Children Services			
1 Administrative assistant I	\$6,924	532	53
1 intermediate stenographer-clerk	3,948	532	54
1 Supervising clerk I	6,360	531	71
Vacant Positions			
Division of Environmental Sanitation			
Bureau of Food and Drug Inspection			
1 Senior food and drug inspector	6,360	529	42
Bureau of Radiological Health			
1 Assistant chief, Bureau of Radiological Health ..	10,860	529	47
Bureau of Vector Control			
1 Senior vector control specialist	4,980	529	64
Division of Preventive Medical Services			
Divisional Administration			
1 Assistant chief, Medical, Division of Preventive Medical Services	14,556	531	45
Bureau of Chronic Disease Control			
1 Public health medical officer III	13,200	531	51
0.5 Assistant public health analyst	2,676	531	52
Division of Research			
1 Junior public health analyst	5,496	533	30

ANALYSIS

The State Department of Public Health, in co-operation with local health departments, is responsible for the prevention of disease and the provision of a healthful environment for the people of California.

Division of Administration
Office of Agency Administrator

The budget, for the first time, proposes \$3,140 to finance the Department of Public Health's pro rata share of the cost of the Health and Welfare Agency during the budget year. The department's share, or \$3,140, is some 7.2 percent of the total budget of \$47,000 which is proposed for this agency during the budget year, and was arrived at by assessing each of the departments which are in the agency—Public Health, Mental Hygiene, and Social Welfare—for the pro rata share that their salaries and wages bear to the total budget of the agency.

The budget states that the department's pro rata share of the cost of the Office of the Agency Administrator was financed from funds made

Department of Public Health—Continued

available within each category through savings effected under an "Agency Plan" of organization. Consistent with this approach, which was imposed by the Legislature, we believe that the department should identify the specific savings which were achieved.

Bureau of Business Management

The Bureau of Business Management is requesting an auditor on the basis of existing backlog in the audit section. *We recommend approval of \$7,095 for one governmental auditor II for the budget year only.*

One auditor position has been continued on an annual basis for the past two years to assist the audit section in removing the backlog of audits which resulted from the transfer from the Controller's Office to the Department of Public Health in 1959 of the auditing related to the local assistance programs. Progress has been made in the current year in reducing this backlog and we believe that this position should be authorized for the budget year only, to assist the department in removing the remaining auditing backlog.

Bureau of Vital Statistics and Data Processing

The Bureau of Vital Statistics and Data Processing is requesting three positions. These positions are:

1 Tabulating machine operator	\$4,296
1 Key punch operator	3,996
1 Intermediate typist-clerk	3,456
Total	<u>\$11,748</u>

We recommend approval of \$11,748 for one tabulating machine operator, one key punch operator and one intermediate typist-clerk. These positions are proposed to initiate services in connection with the divorce and annulment registry enacted by Chapter 1722, Statutes of 1961, with a total cost including related support and equipment of \$15,158 for the budget year. The cost will be more than offset by estimated revenues of \$25,000 from this service during the budget year.

Division of Preventive Medical Services
Bureau of Crippled Children Services

The Bureau of Crippled Children Services is requesting that two positions be established and seven positions be abolished as follows:

Positions to be established

1 Administrative assistant I	\$6,924
1 Intermediate stenographer-clerk	3,948
Total	<u>\$10,872</u>

Positions to be abolished

7 Intermediate typist-clerk	\$25,310
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We recommend a reduction of \$10,872 plus related support for one administrative assistant I and one intermediate stenographer-clerk.

One administrative assistant I and one intermediate stenographer-clerk plus related support for a total of \$14,800 are proposed to provide

Department of Public Health—Continued

services for the Coordinating Council for Handicapped Children. The council was established by Chapter 472, Statutes of 1961.

The council was established to provide better coordination of the handicapped children services offered by the Departments of Education, Mental Hygiene, Public Health and Social Welfare. The council membership is made up of the directors of each of these four departments.

We do not recommend the provision of permanent full time staff by the Department of Public Health to serve the needs of the council due to the fact that the legislation establishing the council provided that each of the four agencies comprising the membership of this council should furnish staff services as needed. Thus the legislation in no way implied that any one agency should provide full time staff to serve the needs of the council. We also refer to our analysis of the legislation at the time that it was pending before the Legislature in which we stated that as to cost: "no direct cost for the operation is discernible in that each of the departments which are concerned would make existing facilities and staff available to the council". This statement was only made after a careful review as to estimated costs of this legislation with each of the four departments concerned. We understand that by administrative action the Department of Public Health has been given the responsibility for providing staff to serve the needs of the council; however, we believe that the Legislature did not intend to provide full time staff for the council when it adopted the legislation.

As a result of a shift during the 1961-62 fiscal year from a dependent to an independent operation of the crippled children services activity in the four counties of Orange, San Bernardino, Riverside and Sacramento, there has been a reduction in the workload of the Bureau of Crippled Children Services and, therefore, seven currently authorized intermediate typist-clerk positions are proposed to be abolished at a salary savings of \$25,310 during the budget year.

We recommend that this proposal be approved and further recommend a reduction of one supervising clerk I at an additional salary savings of \$6,360 during the budget year.

The implementation during the current year of the aforementioned budget act language resulted in a drop in dependent county population from 3,582,200 to 1,409,300 based on July 1, 1961 population estimates. This net reduction of 2,175,900 is the estimated population of the four counties of Orange, San Bernardino, Riverside and Sacramento counties which are operating their programs on an independent rather than on a dependent basis during the current and budget years. The transfer to independent operation in these four counties is relieving the State of the largely clerical workload of developing treatment plans, issuing authorization to vendors and paying vendors' invoices. These are services which are provided to all dependent counties.

While we support the proposal for the abolition of three intermediate typist-clerk positions in the Los Angeles office and four typist-clerk positions in the Berkeley office of the bureau, we also believe that one

Department of Public Health—Continued

existing supervising clerk I position can be abolished in the Berkeley office of the bureau.

The proposal contemplates the continued employment in the Berkeley office of 3 supervising clerks (1 supervising clerk II and 2 supervising clerks I) to direct a reduced work force of 20 clerical employees during the budget year in lieu of the current year's clerical work force of 24 employees. The provision of a staff of 1 supervisor for each 6.3 clerical employees can be contrasted with the 1 supervising clerk in the San Francisco office of the bureau who currently supervises the work of 13 clerical employees and the 3 clerical employees in the Los Angeles office and 8 clerical employees in the Sacramento office who will work without the direction of a supervising clerk. We believe there would still be more than adequate supervision of the clerical staff of the Berkeley office with the proposed reduction of 1 supervising clerk I and the retention of 1 supervising clerk II and 1 supervising clerk I. This would still provide 1 clerical supervisor for each 10 employees. The function of the bureau in carrying out the largely clerical activity of providing services to dependent counties has continued and will continue to be reduced as the remaining dependent counties shift to independent status; and we feel that a start should now be made in reducing the supervisory staff of the bureau.

Bureau of Maternal and Child Health

The Bureau of Maternal and Child Health proposes the continuance during the budget year of the Seasonal Agricultural Worker Health Program which was authorized by Chapter 337, Statutes of 1961. The program would be continued at substantially the same level as that of the current year with the following positions:

1 Public health medical officer III -----	\$16,458
1 Administrative officer II -----	8,520
1 Intermediate typist-clerk -----	4,194
Total -----	\$29,172

The budget also proposes related support of \$7,240 and \$75,000 for project grants to extend local health services to seasonal agricultural workers, for a total proposed expenditure of \$111,412 during the budget year.

We recommend approval of the seasonal agricultural worker health program which is to be continued at the current level.

New Regional Hospital Planning Program

The Bureau of Hospitals is requesting five positions to carry out the activity proposed by the Regional Hospital Planning Act.

The proposed positions are as follows:

1 Assistant chief -----	\$11,265
1 Consultant in hospital planning -----	8,835
1 Architectural associate -----	8,418
1 Intermediate stenographer-clerk -----	3,948
1 Intermediate typist-clerk -----	3,765
Total -----	\$36,231

Department of Public Health—Continued

We recommend approval of \$36,231 for one assistant chief, one consultant in hospital planning, one architectural associate, one intermediate stenographer-clerk and one intermediate typist-clerk for the budget year only. These five positions with salaries and wages totaling \$36,231, plus related support of \$12,427, for a total proposed expenditure of \$48,658, will provide services in the development of regional hospital plans for the San Francisco Bay and Los Angeles Metropolitan areas as provided by Chapter 1754, Statutes of 1961. The statute which expires in 1963 requires that the results of the regional hospital planning program be reported to the 1963 Regular Session of the Legislature. The State Hospital Advisory Committee may appoint a local hospital committee in each of the two regional hospital areas provided for in the act only after they have established that there is a need for hospital planning in one or both of the regions and after they have defined the area which is to be included within each region.

Each local hospital committee is to review information relative to utilization of hospitals and related community health facilities and health services within their region; develop standards and principles of community health needs, and conduct meetings at which professional and community groups can participate. Each committee will then report back to the State Hospital Advisory Committee and the 1963 Session of the Legislature.

The statute which authorized this program did not provide for a specific appropriation, but did state that "in 1961-62, the legislative intent is to provide appropriations to cover limited regional planning activity for not to exceed two regions which can be reviewed by the Legislature before an extension of the planning program is authorized". The department has already received temporary authorization to employ the five proposed positions during the current year so that the regional hospital planning program can get under way. The five proposed positions are to be used in the Los Angeles office of the department with the assistant chief being placed in charge of the Los Angeles office of the bureau. The other four positions will augment the Los Angeles staff which will work with the regional hospital planning program in the Los Angeles Metropolitan Area. This augmentation of the Los Angeles staff will assist the Berkeley office by relieving them of much of their Los Angeles area workload so that three of the Berkeley professional staff will be free to work with the regional hospital planning program in the San Francisco Bay area. We do not object to the proposed staffing, because precise standards can only be developed based on the department's experience in carrying out this new activity. However, we feel that since the statute authorizing this program will expire 91 days after the end of the 1963 Session, the requested staff should be authorized for the budget year only. Thus, the Legislature in 1963 can evaluate the continued need for such regional hospital planning staff based on their decision relative to a continuation or extension of regional hospital planning as a function of the Department of Public Health.

Department of Public Health—Continued

New Cancer Field Research Program

The budget requests 4.5 positions to staff the Cancer Field Research program.

The proposed positions are as follows:

Division of Administration	
Bureau of Business Management	
1 Stock clerk	\$4,572
1 Janitor	3,810
1 Intermediate typist-clerk	3,630
Bureau of Personnel and Training	
0.5 Intermediate typist-clerk	1,905
Division of Research	
1 Intermediate typist-clerk	3,630
 Total	 \$17,547

We recommend approval of \$17,547 for one stock clerk, one janitor and 1 intermediate typist-clerk in the Bureau of Business Management; 0.5 intermediate typist-clerk in the Bureau of Personnel and Training and 1 intermediate typist-clerk in the Division of Research. These positions plus related support and equipment of \$2,967 for a total of \$20,514 will be fully financed from the special projects overhead charge of 15 percent which is being applied to the Cancer Field Research program.

During the current year the National Cancer Institute acting through the National Institutes of Health awarded a first year grant to the department for the purpose of establishing a California Cancer Field Research Center. This center will, in fact, serve as the Western Regional Cancer Laboratory. This program is already under way and another grant of \$478,661 is proposed for the period June 1, 1962 to May 31, 1963.

The California Cancer Field Research Center is being established as an integral part of the department with the four component activities: Human Cancer Epidemiology, Viral Studies of Cancer, Epizology of Cancer, and Physical and Chemical Studies of the Environment of Cancer. These are located in the appropriate administrative units of the department. Each activity is headed by a senior investigator who is in turn responsible to the chief of the center for their part of the center's program.

Vacant Positions

The Department of Public Health advised our office, upon our request, of all vacancies which were in effect as of December 1, 1961. There were 79 vacancies as of December 1, 1961, and as a result of our review of these vacancies we are recommending the reduction of seven presently authorized Department of Public Health positions as of July 1, 1962.

The following analysis reviews each of the positions proposed for reduction in terms of annual salary, organizational and geographical location within the department and date of the vacancy.

Department of Public Health—Continued

Division of Environmental Sanitation
Bureau of Food and Drug Inspection

A senior food and drug inspector position with an annual salary of \$6,360 has been vacant in the Los Angeles office of the bureau since October 31, 1960.

We recommend a reduction of one senior food and drug inspector at an annual salary savings of \$6,360, plus related support.

The bureau has been able to operate with this vacancy for one year and it appears that this position is excess to the needs of the bureau.

Bureau of Radiological Health

The position of Chief, Bureau of Radiological Health in Berkeley, has been vacant since November 1, 1960, or a period of one year and three months with the bureau being directed by the assistant chief, Bureau of Radiological Health.

We recommend a reduction of one assistant chief, Bureau of Radiological Health, at an annual salary savings of \$10,860 plus related support.

The assistant chief, Bureau of Radiological Health has effectively directed the activity of the bureau since November 1, 1960, and it is anticipated that he will be appointed to the current vacancy of chief, Bureau of Radiological Health on or before the end of the current year. We believe that it has been clearly demonstrated over the past one year and one month that with the filling of the position of chief, Bureau of Radiological Health, the additional administrative position of assistant chief, Bureau of Radiological Health will not be necessary to the effective operation of the bureau.

Bureau of Vector Control

A senior vector control specialist position with an annual salary of \$4,980 has been vacant in the Berkeley office of the bureau since February 16, 1961.

We recommend a reduction of one senior vector control specialist at an annual salary savings of \$4,980 plus related support.

The bureau has operated effectively with this vacancy for approximately one year and it appears that this position is excess to the needs of the bureau.

Division of Preventive Medical Services
Divisional Administration

An assistant chief, medical, Division of Preventive Medical Services position with an annual salary of \$14,556 has been vacant in the Berkeley office of the division since June 30, 1960.

We recommend a reduction of one assistant chief, medical, Division of Preventive Medical Services at an annual salary savings of \$14,556 plus related support.

The bureau has operated with this vacancy for the past one year and seven months and it appears that the chief of the division with the assistance of a newly created position of assistant chief, administrative,

Department of Public Health—Continued

Division of Preventive Medical Services, can adequately administer the activity of this division.

Bureau of Chronic Disease Control

A public health medical officer III position with an annual salary of \$13,200 has been vacant in the Berkeley office of the bureau since October 16, 1960.

We recommend a reduction of one public health medical officer III at an annual salary savings of \$13,200 plus related support.

The bureau has operated with this vacancy for the past one year, three months, and it appears that this position is not necessary to the continued effective operation of the department.

An assistant public health analyst position, which is established on a one-half time basis at an annual salary of \$2,676, has been vacant in the Berkeley office of the bureau since June 30, 1961.

We recommend a reduction of one assistant public health analyst (half time) at an annual salary savings of \$2,676 plus related support.

This bureau has operated with this vacancy for the past seven months. The bureau has, in addition to this half-time analyst position, which is difficult to recruit, nine authorized public health analyst positions and we feel that the Tumor Registry duties which are part of the activities of this position could easily be reassigned among the other public health analysts in the bureau.

Division of Research

A junior public health analyst position with an annual salary of \$5,496 has been vacant in the Berkeley office of the division since September 23, 1960.

We recommend reduction of one junior public health analyst at an annual salary savings of \$5,496 plus related support.

The division has operated with this vacant position which was transferred from the Bureau of Vital Statistics and Data Processing in 1960-61 for the past one year and four months. The division currently has eight authorized public health analyst positions and we believe that the reduction of this position will not adversely affect the activity of the division.

DEPARTMENT OF PUBLIC HEALTH

ITEM 196 of the Budget Bill

Budget page 534

FOR SUPPORT OF HOSPITAL CARE PROJECT FOR ALCOHOLICS
FROM THE GENERAL FUND

Amount requested	\$25,000
Estimated to be expended in 1961-62 fiscal year	25,000
Increase	None

TOTAL RECOMMENDED REDUCTION

None

ANALYSIS

The budget proposes \$25,000 to be appropriated to the State Department of Public Health for a demonstration project to provide hospital care for alcoholics. This amount would provide the same amount that was added to the 1961 Budget Act by the Legislature.

We recommend approval.

**Department of Public Health
LONG BEACH COMMUNITY ALCOHOLISM CLINIC**

ITEM 197 of the Budget Bill

Budget page 534

**FOR SUPPORT OF COMMUNITY ALCOHOLISM CLINIC—
LONG BEACH FROM THE GENERAL FUND**

Amount requested	\$50,000
Estimated to be expended in 1961-62 fiscal year.....	35,000
	\$15,000
Increase (42.9 percent).....	\$15,000
TOTAL RECOMMENDED REDUCTION.....	None

ANALYSIS

The 1961 Regular Session of the Legislature augmented the Budget Act by \$35,000 to provide for a Long Beach Community Alcoholism Clinic.

The budget requests \$50,000 to provide for the first full years operation of this clinic.

We recommend approval of the requested appropriation of \$50,000.

DEPARTMENT OF PUBLIC HEALTH

ITEM 198 of the Budget Bill

Budget page 534

**FOR SUPPORT OF RECOVERY HOME PROJECT FOR ALCOHOLICS
FROM THE GENERAL FUND**

Amount requested	\$20,000
Estimated to be expended in 1961-62 fiscal year.....	20,000
	None
Increase	None
TOTAL RECOMMENDED REDUCTION.....	None

ANALYSIS

The budget proposes \$20,000 to be appropriated to the State Department of Public Health for a demonstration recovery home for homeless alcoholics. This amount would provide the same amount that was added to the 1961 Budget Act by the Legislature.

We recommend approval.

Department of Public Health

DETOXIFICATION CENTER FOR ACUTELY INTOXICATED ALCOHOLICS

ITEM 199 of the Budget Bill

Budget page 535

**FOR SUPPORT OF DETOXIFICATION CENTER FOR ACUTELY
INTOXICATED ALCOHOLICS FROM THE GENERAL FUND**

Amount requested	\$43,000
Estimated to be expended in 1961-62 fiscal year.....	25,000
	\$18,000
Increase (72 percent).....	\$18,000
TOTAL RECOMMENDED REDUCTION.....	None

ANALYSIS

The 1961 Session of the Legislature augmented the Budget Act by \$25,000 to provide for a detoxification center for acutely intoxicated alcoholics.

Detoxification Center for Acutely Intoxicated Alcoholics—Continued

The budget requests \$43,000 to provide for the first full year's operation of this clinic.

We recommend approval of the requested appropriation of \$43,000.

**Department of Public Health
EPILEPSY STUDY**

ITEM 200 of the Budget Bill

Budget page 535

**FOR SUPPORT OF EPILEPSY STUDY
FROM THE GENERAL FUND**

Amount requested -----	\$54,950
Estimated to be expended in 1961-62 fiscal year -----	79,714
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Decrease (31.1 percent) -----	\$24,764
TOTAL RECOMMENDED REDUCTION -----	None

ANALYSIS

The Department of Public Health was authorized by Chapter 2033, Statutes of 1959, to conduct a study of the incidence and treatment of epilepsy in minors with a final report to be submitted to the 1963 Regular Session of the Legislature.

At the time that the legislation was being considered, the department estimated the total cost of the study to be \$244,000, however, the requested appropriation of \$54,950 which will finance the final year of the study, will bring the total four-year cost of the study to \$198,940.

We recommend approval of the requested appropriation of \$54,950.

DEPARTMENT OF PUBLIC HEALTH

ITEM 201 of the Budget Bill

Budget page 536

**FOR AUGMENTATION OF THE AIR SANITATION STANDARDS
AND AIR QUALITY MONITORING PROGRAMS
FROM THE GENERAL FUND**

Amount requested -----	\$659,862
State employees' retirement -----	9,103
State employees' health and welfare -----	1,080
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Total -----	\$670,045
TOTAL RECOMMENDED REDUCTION -----	\$466,341

Summary of Recommended Reductions

	<i>Amount</i>	<i>Budget</i>	
		<i>Page</i>	<i>Line</i>
Air Sanitation Standards Program			
Division of Environmental Sanitation			
Bureau of Air Sanitation			
1 Senior engineer -----	9,852	536	43
1 Research chemist -----	8,940	536	44
Contractual services -----	175,250	536	56
Air Quality Monitoring Program			
1 Senior engineer -----	9,852	536	80
1 Associate engineer -----	8,520	536	81
4 Instrument technician -----	24,240	536	82
1 Associate chemist -----	7,728	536	83
1 Assistant chemist -----	6,672	536	84
1 Applied science programmer III -----	8,520	536	85

Department of Public Health—Continued

Summary of Recommended Reductions—Continued		Budget	
Air Quality Monitoring Program—Continued		Amount	Page Line
1 Associate public health analyst	-----	\$8,112	536 86
1 Assistant public health analyst	-----	6,672	537 6
3 Intermediate clerk	-----	11,988	537 7
2 Junior-intermediate clerk	-----	6,912	537 8
2 Junior-intermediate typist-clerk	-----	7,260	537 9
Less estimated salary savings	-----	20,226	537 12
Total reduction salaries and wages		\$86,250	537 14
Operating expenses		85,537	537 24
Equipment		100,512	537 26

ANALYSIS

This item provides for an air sanitation program augmentation of \$659,862 to provide for 22 positions, operating expenses, equipment and contractual services. The proposal would allow the Department of Public Health to undertake a new program, under contract, relative to improvement of air sanitation standards and to expand the department's existing air quality monitoring program.

In 1955 the department was charged with the specific responsibility for studies related to the health effects of air pollution, and in 1959 the department was given the added responsibility of establishing and revising standards for air quality and motor vehicle exhaust.

In order to carry out their responsibilities, the department has established a Bureau of Air Sanitation, which is concerned with the atmospheric monitoring aspects of air pollution; an Air and Industrial Hygiene Laboratory which conducts research on new methods of measuring air pollutants; and an Air Pollution Studies Medical Unit which is largely concerned with an epidemiologic approach in the determination of the health effects of air pollution. The department's budget for air pollution activity increased from \$250,000 in the 1955-56 fiscal year to the current year's budget of \$833,000. The approval of this program augmentation would increase the department's budget for air sanitation activity to approximately \$1,492,862 during the 1962-63 fiscal year.

Air Sanitation Standards Program

A total of \$387,563 is requested to finance a new air sanitation standards program. The proposal would provide for four positions, equipment, and operating expenses to be added to the Los Angeles office of the Bureau of Air Sanitation, plus contractual services as follows:

1 Supervising engineer	-----	\$11,400	
1 Senior engineer	-----	9,852	
1 Research chemist	-----	8,940	
1 Intermediate clerk	-----	3,996	
Total salaries		\$34,188	
Less salary savings		3,418	
Total salaries and wages			\$30,770
Equipment and Operating Expenses			6,293
Contractual services			350,500
Total air sanitation standards program			\$387,563

Department of Public Health—Continued

The objective of the proposed program is the improvement of existing air quality standards, automotive emission standards, and the establishment of standards for additional pollutants.

The program is proposed to be carried out under contract with the Los Angeles County Air Pollution Control District for the use of its staff, equipment and facilities. The department will thus be able to take advantage of the existing scientific skills, technical ability and information which the district can provide. It should be noted, however, that the program summary in the budget proposes a "minimal staff of employees" which "will be expanded in future years as needed by assimilation of contract personnel". The Department of Public Health, therefore, proposes to assemble its own permanent research staff through assimilation of district personnel.

The department has established standards relative to hydrocarbon and carbon monoxide concentrations in the atmosphere. Subsequent to the establishment of those standards, it has been learned that other compounds are equally significant in the photochemical reaction which causes smog. It was also learned that equal concentrations of hydrocarbons produce varying degrees of eye irritation and other harmful effects due to the activity of the specific compounds within the hydrocarbon family. The proposal provides for a program of intensive study in order to resolve these questions which are basic to the State's air pollution control program.

An amount of \$350,500 is requested to be expended for contractual services with the Los Angeles County Air Pollution Control District. The following studies would be conducted under the contract:

<i>Study</i>	<i>Proposed amount</i>
Oxides of Nitrogen----- A study of the role of oxides of nitrogen in photochemical reaction and the need for establishment of motor vehicle standards for oxides of nitrogen.	\$120,000
Diesel Emissions ----- A study of the nature of diesel emissions so that a motor vehicle emissions standards for odors can be established. ACR 72, 1961 Session of the Legislature, requires the results of a diesel study to be reported to the 1963 Session of the Legislature.	35,000
Motor Vehicle Emissions and Driving Cycles----- A study of the emissions from American and foreign-made passenger cars, trucks and buses, and the driving cycle for trucks and buses.	145,500
Hydrocarbon Measurement ----- Develop data based on measurement of olefinic hydrocarbons so that these olefins can be included in the existing standards for total hydrocarbons.	50,000

We recommend a reduction of \$175,250 for contractual services and disapproval of \$18,792 for one senior engineer and one research engineer, including related support; and approval of the air sanitation standards program in the reduced amount of \$175,250.

Our recommendation for a reduction of \$175,250, or 50 percent of the \$350,500 proposed for contractual services, is based on the fact

Department of Public Health—Continued

that the number and the scope of any motor vehicle pollution control studies which are proposed by the department can be controlled. Our recommendation would provide the department with adequate funds to carry out studies in the motor vehicle pollution control area. The workload of such studies is controllable so that the department could finance such activity within an appropriation for contractual services of \$175,250.

Our recommendation for the reduction in contractual services is based on the following:

1. University of California at Los Angeles

We are concerned with the fact that the department's proposal to carry out a study or research project in the area of oxides of nitrogen coincides with a similar study which is currently under way at the University of California at Los Angeles. Although a considerable amount of information remains to be gathered relative to oxides of nitrogen, we believe that the department could control the scope of their study and reduce their proposed expenditure for this purpose from \$120,000 to \$60,000. We believe that a great deal of current information which would be of value to the department's program can be gained from the oxides of nitrogen research study which is being carried out at UCLA. If it is appropriate that the research in this area should be increased, then such research should be conducted at the University, which is the State's basic research center.

2. Federal Government

- a. The federal government is currently completing a two-year motor vehicle emission study. This study has been financed by Congress at \$1 million annually. The Public Health Service has been directed to study and submit a report on the discharge of substances into the atmosphere from motor vehicles.
- b. Two of the specific types of research which are being carried out under this appropriation are:
 - (1) A study of "Diesel Exhaust, Odor and Eye Irritation" which is being carried out by the Scott Laboratories in Perkasio, Pennsylvania, and
 - (2) A study of diesel driving patterns and modes being carried out by the Ethyl Corporation. We believe that the application of the results of these two studies to the department's program will allow for a reduction in the expenditure for the department's proposed diesel emission study from \$35,000 to \$17,500.
- c. We believe the State can gain a great deal of information from the federally financed motor vehicle emission study which will be useful in establishing standards for California. A considerable portion of the federal study is being conducted in this State.

Department of Public Health—Continued

3. Other Agencies

A significant amount of motor vehicle pollution research is being conducted by other agencies as follows:

a. University of California at Riverside

This branch of the University has recently been selected as the site of the new Air Pollution Research Center which will coordinate all of the air pollution activity of the University.

The University is currently carrying on an air pollution research program of \$651,848 of which only \$135,551 is provided by a direct appropriation from the General Fund. The balance of this program is financed by grants, special projects, etc., with the U.S. Public Health Service, Scott Laboratories, American Petroleum Institute, Agricultural Air Research Program, etc. While a large part of the University's research program is directed toward the area of agricultural air pollution, a significant amount of their staff and activity is specifically concerned with the motor vehicle pollution problem.

b. Other academic institutions and agencies:

A number of other institutions and agencies are carrying out research in the motor vehicle pollution field, including:

- (1) Keck Laboratory of Environmental Health Engineering, California Institute of Technology, Pasadena
- (2) Allan Hancock Foundation, University of Southern California, Los Angeles
- (3) Stanford Research Institute, South Pasadena and Menlo Park

c. Industry

A large amount of research is being carried out by industry, including:

- (1) Vehicle Combustion Products Committee, Automobile Manufacturers Association
- (2) American Petroleum Institute
- (3) General Motors Corporation

We have reviewed some of the current research activity in the motor vehicle pollution field, and we believe that this high current level of activity supports our recommendation for a reduction from \$145,500 to \$72,750 for the proposed motor vehicle emission and driving cycles study, and a reduction from \$50,000 to \$25,000 for the proposed hydrocarbon measurement study.

We believe this high level of research in the motor vehicle pollution field also supports our recommendation of a maximum of \$175,250, or 50 percent of the department's request. The revision of existing standards and establishment of new standards should be based primarily on the research which is available from other agencies. The department's study or research activity should be largely limited to applied research.

The air sanitation standards program also proposes four positions to direct and coordinate the contract study or research activity of the

Department of Public Health—Continued

department. The senior engineer and research chemist recommended for disapproval would assist in evaluating and interpreting the data which is developed by the research staff of the district. We have recommended disapproval of these positions for the following reasons:

1. The supervising engineer, who is recommended for approval and will serve as project director or coordinator, should be capable of seeing that the research data is recorded in such a fashion that it can be readily analyzed by the professional staff of the Bureau of Air Sanitation.

2. Adoption of our recommendation for a 50 percent reduction in the amount proposed for contractual services reduces the need for the proposed positions.

Air Quality Monitoring Program

A total of \$272,299 is requested to finance an expanded air quality monitoring program. The proposal would provide for 18 positions as follows:

1 Senior engineer -----	\$9,852
1 Associate engineer -----	8,520
4 Instrument technician -----	24,240
1 Associate chemist -----	7,728
1 Assistant chemist -----	6,872
1 Applied science programmer III -----	8,520
1 Associate public health analyst -----	8,112
1 Assistant public health analyst -----	6,672
3 Intermediate clerk -----	11,988
2 Junior clerk -----	6,912
2 Junior typist-clerk -----	7,260
Total salaries -----	\$106,476
Less salary savings -----	20,226
Total salaries and wages -----	\$86,250
Operating expenses -----	85,537
Equipment -----	100,512
Total air quality monitoring program -----	\$272,299

The objective of the proposed program is the improvement of the present air monitoring network by the addition of air monitoring stations in new locations and the monitoring of additional pollutants.

The department indicates that the present air monitoring network was planned and developed prior to the establishment of standards for air quality and motor vehicle emissions and that current information on air sampling indicates the need to expand the number of tests and the scope of tests in order to evaluate the effectiveness of the State's Motor Vehicle Pollution Control Program.

The present air monitoring network includes 10 air monitoring stations, including two mobile stations which are variously located in the less populated areas of the State. The budget proposes equipment and personnel to expand the network to a total of 16 air monitoring stations, to be located in regions of the State where motor-created air pollution

Department of Public Health—Continued

is or may be a problem. The measurement of hydrocarbons and carbon monoxide will be added to all of the stations in the network.

The existing state network consists of 10 air monitoring stations located as follows:

1. In air pollution control districts
 - a. Los Angeles County—2
 - b. Bay Area—2
 - c. Riverside County—1
 - d. Sacramento County—1
2. In counties without air pollution control districts
 - a. Fresno—1
 - b. San Joaquin—1
3. Mobile Stations—2
 Variously located in nonmetropolitan areas for periods of up to one year.

The proposed network of 16 air monitoring stations would be located as follows:

1. In air pollution control districts
 - a. Los Angeles County—3
 - b. Bay Area—3
 - c. Riverside County—1
 - d. Sacramento County—1
 - e. San Bernardino County—1
 - f. Orange County—1
 - g. San Diego County—1
2. In counties without air pollution control districts
 - a. Fresno—1
 - b. San Joaquin—1
 - c. Kern—1
3. Mobile Stations—2

The budget requests funds for data processing which the department indicates will more effectively evaluate information from the expanded network.

We recommend the disapproval of the entire air quality monitoring request of \$272,299 including \$86,250 for salaries and wages, \$86,250 for operating expenses and \$100,512 for equipment.

Our recommendation for the disapproval of \$272,299 which is the entire budget request for the expanded air quality monitoring program is based on the following:

1. Air Monitoring Activity
 - a. Air Pollution Control Districts

Six of the seven existing air pollution control districts operate a total of 26 air monitoring stations. These districts are, and the number of stations are:

1. Los Angeles County—9
2. Bay Area—2
3. Riverside County—3
4. Orange County—4
5. San Bernardino County—3
6. San Diego County—5

Five of the six new air monitoring stations which would be added to the air monitoring network are proposed to be located within the

Department of Public Health—Continued

boundaries of five air pollution control districts which already operate a total of 23 air monitoring stations.

We believe that the proposed expansion of the state air monitoring network within these districts would be a duplication of existing facilities and equipment. Negotiations should be undertaken with those districts which do not now measure or do not report the measurement of hydrocarbons and/or carbon monoxide in order that agreement can be reached to add the necessary measuring devices and report the attained information to the State.

b. Air Monitoring Activity of Other Public Agencies

1. The United States Public Health Service has recently opened a completely equipped air monitoring station in San Francisco.
2. Air monitoring stations are also operated by the University of California at their Riverside and Los Angeles campuses.

We believe that these existing facilities should also be utilized by the department.

c. Air Monitoring in Counties Without Air Pollution Control Districts.

Approximately 12,960,000 people, or 79 percent of California's population, live in the 12 counties which are served by air pollution control districts. A total of 3,485,000, or 21 percent of the State's population, live in the other 46 counties of the State which are not served by air pollution control districts. The department proposes to augment the existing air monitoring stations located in two of the non-district counties, Fresno and San Joaquin, and to add an air monitoring station in the non-district county of Kern. While we will agree that monitoring should be conducted in these counties, we also believe that these counties should provide a certain amount of support for a monitoring program which has local as well as statewide value. We feel this is particularly true since 12 counties with 79 percent of the population provide local financing for air monitoring activity.

2. State-Local Responsibility for Air Pollution

We believe that the approval of the proposed program for an expansion of the State's existing air monitoring network would be yet another step towards state assumption of the responsibility for all air monitoring, at a cost which could run to many millions of dollars. We believe that air monitoring is largely a local program to meet local needs and that most of the local agencies in the State have accepted their fair share of this activity as indicated by the existence of seven air pollution control districts embracing 12 counties and 79 percent of the population of the State.

We believe that the proposed expanded air quality monitoring program has not been justified and that the current proposal contemplates an unwarranted expenditure of state funds.

We believe that the department should develop a workable air quality monitoring program for presentation to the 1963 Session of the Legislature which is based on the principle of maximum utilization of existing local facilities. We can foresee a proposal which would essentially call for the purchase of a limited number of hydrocarbon

Department of Public Health—Continued

recorders and a more limited number of carbon monoxide recorders at only a fraction of the current proposed expenditure of \$272,299 for an expanded air quality monitoring program.

Department of Public Health

MOTOR VEHICLE POLLUTION CONTROL BOARD

ITEM 202 of the Budget Bill

Budget page 535

FOR SUPPORT OF MOTOR VEHICLE POLLUTION CONTROL BOARD FROM THE GENERAL FUND

Amount requested	\$490,371
State employees' retirement.....	8,869
State employees' health and welfare.....	760
Total	\$500,000
Estimated to be expended in 1961-62 fiscal year.....	500,000
Increase	None
TOTAL RECOMMENDED REDUCTION.....	\$73,322

Summary of Recommended Reduction

	<i>Budget</i>		
	<i>Amount</i>	<i>Page</i>	<i>Line</i>
Contractual services	\$73,322	536	13

ANALYSIS

The Motor Vehicle Pollution Control Board requests \$500,000 for the support of its operations during the 1962-63 fiscal year. This is the same amount which was appropriated for support of the board during the current year.

The budget proposes \$104,871 including salary savings to finance 15 positions plus \$44,701 for support, \$3,580 for equipment, and \$337,220 for contractual services.

The board is charged with the following responsibilities:

1. Determining and publishing the criteria for approval of motor vehicle pollution control devices.
2. Issuing certificates of approval for acceptable devices.
3. Exempting certain classes of vehicles from compliance with Chapter 3, Division 20, Health and Safety Code.

The board adopted test procedures on May 19, 1961, and testing criteria on October 13, 1961, to carry out its initial responsibility.

There has been considerable activity by the board in testing and certifying crankcase emission devices, but there has been an unanticipated delay in testing devices for the control of vehicle exhaust emissions due to a lack of qualified devices being submitted for testing. As of the date of this analysis, no exhaust control device had been approved for testing, but it is anticipated that three devices will meet the testing criteria and undergo tests during the current year with an additional three devices anticipated to be approved for testing during the budget year.

We recommend a reduction of \$73,322 in contractual services.

Motor Vehicle Pollution Control Board—Continued

In the following table are shown the estimated expenditures of the board by function for the current year and the budget year:

<i>Function</i>	<i>1961-62</i>	<i>1962-63</i>
Salaries and wages -----	\$104,751	\$104,871
Equipment -----	500	3,580
Operating expenses -----	44,700	44,700
Contractual Services		
Los Angeles Air Pollution		
Control District -----	\$172,000	\$210,000
Other small contracts -----	28,898	
Uncommitted funds -----	139,902	127,220
 Total contract funds-----	 340,800	 337,220
 Total Budget -----	 \$500,000	 \$500,000

We recommend the amount of \$263,898 be appropriated for contractual service. This represents a reduction of \$73,322 from the amount budgeted. We recommend the reduction for the following reasons:

1. This will provide \$210,000 for a continued contract with the Los Angeles Air Pollution Control District, which is \$38,000, or 22 percent, more than estimated to be expended during the current year.
2. This will provide \$28,898 for contracts with other laboratories and consultants, which will continue the level at the current year's estimate.
3. This will provide \$25,000 for a contingency to meet testing demands not presently known.

We recommend approval of the item in the reduced amount of \$426,678.

**Department of Public Works
DIVISION OF AERONAUTICS**

ITEM 203 of the Budget Bill

Budget page 546

**FOR SUPPORT OF DIVISION OF AERONAUTICS
FROM THE GENERAL FUND**

Amount requested -----	\$125,430
State employees' retirement -----	5,489
State employees' health and welfare -----	480
 Total -----	 \$131,399
Estimated to be expended in 1961-62 fiscal year -----	110,730
 Increase (18.7 percent) -----	 \$20,669
TOTAL RECOMMENDED REDUCTION -----	\$19,092

Summary of Recommended Reductions

	<i>Amount</i>	<i>Page</i>	<i>Line</i>
Delete from totals -----	\$15,000	546	5
Delete 1 intermediate stenographer -----	4,092	546	75
 Total General Fund reduction -----	 \$19,092		
Appropriate from Airport Assistance Fund -----	15,000	547	67
 Net reduction in total agency support -----	 \$4,092		