

Fiscal Year 2016-17	Business Unit 4265	Department California Department of Public Health	Priority No.
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Budget Request Name 4265-033-BCP-DP-2016-GB	Program 4045059 - ENVIRONMENTAL HEALTH	Subprogram
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Budget Request Description
Medical Marijuana (AB 243, AB 266, SB 643)

Budget Request Summary

The California Department of Public Health (CDPH) requests 37.0 positions and \$12 million in funding from the Medical Marijuana Regulation and Safety Act Fund to be phased in between fiscal years 2015-16 to 2018-19 to begin the implementation of the mandated provisions specified in Chapter 689, Statutes of 2015 (AB 266), Chapter 688, Statutes of 2015 (AB 243), and Chapter 719, Statutes of 2015 (SB 643). Using the phased approach, CDPH requests: 6.0 new positions and \$457,000 in reimbursement authority for fiscal year 2015-16; 8.0 additional positions and \$3,438,000 in 2016-17; 2.0 additional positions and \$2,520,000 in 2017-18; and the final 21.0 additional positions and \$5,658,000 in 2018-19.

Requires Legislation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Code Section(s) to be Added/Amended/Repealed
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Does this BCP contain information technology (IT) components? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If yes, departmental Chief Information Officer must sign.</i>	Department CIO <i>Shodine</i>	Date <i>1/6/15</i>
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For IT requests, specify the date a Special Project Report (SPR) or Feasibility Study Report (FSR) was approved by the Department of Technology, or previously by the Department of Finance.

FSR SPR Project No. S1BA Date: Sent to Department of Technology Jan 2016

If proposal affects another department, does other department concur with proposal? Yes No
Attach comments of affected department, signed and dated by the department director or designee.

Prepared By <i>Miriam Klein</i>	Date <i>2-6-16</i>	Reviewed By <i>[Signature]</i>	Date <i>1/6/16</i>
Department Director <i>[Signature]</i>	Date <i>1/6/16</i>	Agency Secretary <i>[Signature]</i>	Date <i>1/7/16</i>

Department of Finance Use Only

Additional Review: Capital Outlay ITCU FSCU OSAE CALSTARS Dept. of Technology

BCP Type: Policy Workload Budget per Government Code 13308.05

SBA <i>[Signature]</i>	Date submitted to the Legislature <i>1/8/2016</i>
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A. Budget Request Summary

The California Department of Public Health (CDPH) requests 37.0 positions and \$12 million in funding from the Medical Marijuana Regulation and Safety Act Fund to be phased in between fiscal years 2015-16 to 2018-19 to begin the implementation of the mandated provisions specified in Chapter 689, Statutes of 2015 (AB 266), Chapter 688, Statutes of 2015 (AB 243), and Chapter 719, Statutes of 2015 (SB 643). Using the phased approach, CDPH requests 6.0 new positions and \$457,000 in reimbursement authority in fiscal year 2015-16; an additional 8.0 new positions and \$3,438,000 in 2016-17; 2.0 additional positions and \$2,520,000 in 2017-18; and the final 21.0 additional positions and \$5,658,000 in 2018-19.

B. Background/History

In 1996, voters approved the Compassionate Use Act (CUA), which allows patients and primary caregivers to obtain and use medical marijuana, as recommended by a physician, and prohibits physicians from being punished or denied any right or privilege for making a medical marijuana recommendation to a patient. In 2003, Chapter 875, Statutes of 2003 (SB 420) established the Medical Marijuana Program (MMP), which allows patients and primary caregivers to collectively and cooperatively cultivate medical marijuana. It also established a medical marijuana card program for patients to use on a voluntary basis.

Passed in 2015, AB 266 established the Medical Marijuana Regulation and Safety Act (Act) for the licensure and regulation of medical marijuana. Also passed in 2015, AB 243 and SB 643, in conjunction with AB 266, established the regulatory framework to regulate the cultivation, sale, testing, manufacturing and transportation of medical cannabis in California. AB 243 requires the licensing authorities to establish a scale of application, licensing, and renewal fees, based upon the cost of enforcement. All fees collected are to be deposited into the new Medical Marijuana Regulation and Safety Act Fund (Fund). In order to begin implementation of the bills, AB 243 authorized the Director of Finance to provide an initial operating loan from the General Fund or a Special Fund of up to \$10 million and appropriates that money to the California Department of Consumer Affairs.

The departments impacted by these bills are the California Department of Consumer Affairs (DCA), the California State Board of Equalization (BOE), the California Department of Food and Agriculture (CDFA), the California Department of Industrial Relations (DIR), the California Department of Pesticide Regulations (DPR), State Water Resources Control Board (SWRCB), and the Department of Public Health (CDPH). The administration of the Medical Marijuana Regulation and Safety Act will include the following roles:

- **Department of Consumer Affairs** will establish the Bureau of Medical Marijuana Regulation (The Bureau) to administer, enforce, create, issue, renew, discipline, suspend, and or revoke licenses for the transportation, storage unrelated to manufacturing activities, and sale of medical marijuana within the state. The Bureau will issue licenses to distributors, transporters, and dispensaries.
- **California Department of Public Health** is required to adopt and enforce regulations for the licensing structure for cannabis manufacturers and the licensing and registration of testing laboratories which will require the establishment of new program staff within CDPH. CDPH is also required to develop standards for the production and labeling of all edible medical cannabis products and will work with CDFA on the development of a database that will be used to store and share relevant information on licensees and the tracking and tracing of regulated commodities.
- **California Department of Food and Agriculture** is required to create, issue, and suspend or revoke cultivation licenses. CDFA is required to promulgate regulations governing the licensing of indoor and outdoor cultivation sites, develop standards for the use of pesticides in cultivation, and maximum tolerances for pesticides and other foreign object residue in harvested cannabis

and create an electronic database containing the electronic shipping manifests. Not later than January 1, 2020, CDFA, in conjunction with the Bureau, shall make available a certified organic designation and organic certification program for medical marijuana. In consultation with the Board of Equalization, CDFA is required to adopt a system for reporting the movement of commercial cannabis and cannabis products.

- **Department of Pesticide Regulations** is required to provide guidance, in absence of federal guidance, on whether the pesticides currently used at most cannabis cultivation sites are actually safe for use on cannabis intended for human consumption. DPR, in consultation with CDFA, shall develop standards for the use of pesticides in cultivation, and maximum tolerances for pesticides and other foreign object residue in harvested cannabis. DPR, in consultation with the SWRCB, shall promulgate regulations that require that the application of pesticides or other pest control in connection with the indoor or outdoor cultivation of medical cannabis meets standards.

The Act requires a distributor to ensure that a random sample of the medical cannabis or medical cannabis product is tested prior to distribution. Since this industry is currently unregulated, the number of dispensaries, manufacturers, growers, and potential testing laboratories is unknown. There are varying numbers of estimated medical marijuana dispensaries from different published websites ranging anywhere from 500 to 4,000. Based on the number of dispensaries and the potential demand for testing, CDPH estimates that the number of testing laboratories that will seek licensure and registration in California could be approximately 100 testing laboratories. The 100 testing laboratories is a conservative estimate utilizing the number of certified laboratories in Colorado as a basis. California is a much larger state and has approximately seven times the population of Colorado. As of 2014, Colorado began requiring testing for retail marijuana and retail marijuana products prior to their sale. There are currently 17 licensed testing laboratories in Colorado, with an additional 23 licensed testing facilities that have received certification for other residual solvents testing. At this time, licensed medical marijuana businesses in Colorado can voluntarily test their products at licensed and certified marijuana testing facilities but such testing is not mandatory. The demand for licensed testing laboratories is expected to be higher in California to meet the expected testing requirements outlined in the Act.

There is no resource history or workload history information to provide since these programs are newly established.

C. State Level Considerations

Prior to the passage of AB 266, AB 243 and SB 643 in 2015, California did not have a regulatory framework to provide for statewide licensure and regulation of medical marijuana at a State level. The chaptering of these bills provides CDPH the authority necessary to adopt regulations for and enforce the licensing of manufacturers and the registration of medical marijuana testing laboratories. The activities align with objectives described in CDPH's Strategic Map, which sets forth the department's mission, vision and the strategic direction that the departmental programs will follow to achieve the overall objective of protecting and improving public health. For example:

Strategic Priority C: Strengthen Prevention and Control of Disease and Injury

Objective C-1: Use Determinants of Health in Policy and Decision Making

Objective C-2: Develop and Use Evidence-Based Public Health Interventions

Objective C-4: Promote Compliance with Health and Safety Laws

D. Justification

CDPH will establish the Office of Medical Cannabis Licensing in order to implement the mandates of the new Medical Marijuana Regulation and Safety Act. CDPH will implement the provisions of the new Act over three phases. The Office will provide overall policy guidance and oversight to ensure that the Act is implemented in accordance with the statutory requirements. The Office will be responsible for the development of the statewide standards, regulations, licensing procedures, and policy issues to license

medical cannabis manufacturers and register and license testing laboratories in order to regulate the testing and manufacturing of medical cannabis and medical cannabis products in California. Staff will meet with DCA, BOE, DPR, CDFA, the California Health and Human Services Agency, and the Governor's Office to ensure coordination of regulations, licensing, and enforcement activities. The expectation in the Act is that licenses will be issued beginning January 1, 2018. The Act places protection of the public as the highest priority in the licensing, regulatory and disciplinary functions of the Act.

The legislation authorizes the Bureau to establish an advisory committee to advise the licensing authorities on the development of standards and regulations pursuant to the Act, including best practices and guidelines to ensure qualified patients have adequate access to medical cannabis and medical cannabis products. CDPH expects to be part of the advisory committee and this participation will require staff time. CDPH expects that on average that there will be meetings scheduled for all licensing authorities on a monthly basis. Staff from the Office will attend these meetings and will be required to prepare, document and distribute information to staff upon their return from these meetings.

Beginning March 1, 2023 and on or before March 1 of each following year, CDPH shall prepare and submit to the Legislature an annual report on the department's activities and post the report on its internet web site.

This budget change proposal requests position authority and funding to develop regulations and standards for medical cannabis product manufacturers and testing laboratories. Once regulations have been developed, the department will move forward with the licensing of cannabis manufacturers, licensing and registration of testing laboratories and enforcement provisions. Implementation of these bills will be phased in over approximately three years.

Office of Medical Cannabis Licensing:

In Phase I, starting in 2015-16 CDPH will hire the Office of Medical Cannabis Licensing Chief and the Research Scientist Supervisor II to plan, manage and direct all staff within the Medical Cannabis Manufacturing and Testing programs. CDPH will also hire an attorney to provide guidance to the programs in the interpretation of the Act, and the development of the regulations.

In FY 2016-17, the Office of Medical Cannabis Licensing will hire the Staff Services Manager II (SSM II) to oversee the development of licensing procedures, cost methodologies, and program expenditures.

In 2016-17 a Staff Programmer Analyst will support the CDPH's interface with CDFA and BOE as they adopt a system for reporting the movement of commercial cannabis and cannabis products throughout the distribution chain. Additionally, CDFA will create an electronic database containing the electronic shipping manifests. The database will be designed to flag irregularities for all licensing authorities to investigate. All licensing authorities may access the database and share information related to licensees, including social security and individual taxpayer identifications.

In Phase II (2017-18) an Associate Governmental Program Analyst (AGPA) will be hired to provide support for the Office with the regulatory public comment process, and overall development of the administrative aspects. In Phase III (FY 2018-19), an Executive Secretary will be added to provide the Office Chief and SSM II with administrative support once licensing and full program activities commence.

Testing Laboratories:

The Act identifies 12 different licensing classifications dependent upon the type of medical cannabis business. Those include cultivation, manufacturing, testing, dispensary, distribution and transportation. CDPH is responsible for manufacturing and testing licenses.

CDPH is required to issue a Type 8 "Testing" license classification to a testing laboratory. To accomplish this, the department will promulgate regulations governing the registration and licensing of testing laboratories. The testing laboratories will be required to register with the department and to

renew that registration on an annual basis requiring that the department develop a process for laboratory registration. In order to develop the regulations and standards, CDPH will develop standard methods, sampling procedures and validate testing methodologies. The standard method development will include testing requirements for medical cannabis, which includes testing for identifications of potential contaminants.

Phase I (2016-17) and Phase II (2017-18):

In order to implement a registration and licensing program for testing laboratories and all testing requirements, CDPH will begin by developing regulations and standards to address contaminant levels for the following areas: residual solvent or processing chemicals; pesticide residues; foreign material, such as: hair, insects or related adulterant; microbiological impurity; fungal toxins; heavy metals; whether the batch is within specification for odor and appearance; and volatile organic compounds. The regulation development for testing laboratories in Phases I and II will require a total of 5.0 Research Scientists in both chemical and microbiological capacities, and 1.0 AGPA will support scientific staff to purchase equipment, assist with the development of regulations, and coordinate contracts and maintenance for equipment and to assist with hiring and other administrative duties. This AGPA position will also be critical in assisting in the development of the licensing fees. CDPH will conduct the following activities:

- Develop medical cannabis testing standards and methodologies for both chemical and microbiological contaminants.
- Develop requirements for standards for testing laboratories, personnel requirements, quality assurance and maintenance of records.
- Scientific research of complex studies related to the safety of marijuana products and survey of other State's regulations and requirements. CDPH will be required to perform research regarding any current existing analytical methodologies and also consult with other states that already have developed these standards and come up with similar protocols.
- Validation of testing methodologies – to validate developed testing standard methodologies which will require scientific staff and analytical instrumentation (equipment).
- Develop lists for required testing for drug potency, chemical contaminants, and microbiological contaminants.
- Develop a process for laboratory licensing and registration that will specify what requirements need to be met by testing laboratories for licensure and registration. For testing laboratories there are several requirements in the Act that have to be met, including that the laboratory is accredited through International Standards Organization (ISO) standards.
- Develop methodologies for setting licensing fees – to develop a licensing fee structure that will be implemented in Phase III.
- Develop procedures and regulations to enforce its duties under the Act, to take disciplinary actions and suspend or revoke licenses of testing laboratories after an investigation and hearing.
- Develop registration and licensing procedures – One administrative staff person will begin developing applications and/or forms, and creating tracking records.
- Purchase of laboratory equipment – equipment will be utilized to develop and validate testing methodologies and to perform analysis. Equipment purchase will take place in 2016-17 as it can take up to 6 months to obtain equipment, set up and install, and train staff on how to utilize the equipment.

Phase III (2018-19 and on-going):

Upon development and adoption of the regulations and standards, CDPH expects to begin registering and licensing testing laboratories and also begin its supporting role as a reference laboratory for the medical cannabis manufacturing enforcement capabilities. This will require 1.0 Office Technician and an additional 4.0 Research Scientists to assist with performance of analysis testing of samples submitted by the medical cannabis manufacturing program during performance of enforcement responsibilities. Support will be needed to provide for ongoing testing capabilities including chain of

custody documentation, oversight of samples received, sample preparation, analysis, data interpretation, and report writing providing details of the outcomes of the analysis.

The annual licensing and registration of testing laboratories will begin in 2018 and require that the Research Scientists review applications for personnel qualifications, quality assurance, and maintenance of records in accordance with the regulations and standards. The Research Scientists will also conduct inspections of testing laboratories with a schedule to be established in regulations, and work on any potential hearings actions related to the suspension or revocation of licenses, investigations and preparation for any potential hearings.

The establishment of methodologies and research for medical marijuana are new and will continue to evolve. The Research Scientists from Phase I and II in chemical and microbiological capacities will continue to perform permanent ongoing research and updates for testing methodologies and for updates to the standards of procedures and testing. Staff will prepare laboratory analysis reports including scientific research reports needed for the validation of testing of different contaminants.

Licensing of Manufacturers:

AB 266 requires the department to adopt regulations for the licensing structure for cannabis manufacturers in order to regulate the manufacturing of medical cannabis in California. This requires that the department establish regulations, standards, and procedures for licensing medical cannabis manufactures. Licenses will be required to obtain a license and renew it on an annual basis. CDPH will also be required to consult with CDFA on the development of a data system that will be used to store and share relevant information on licensees and the tracking and tracing of regulated commodities.

Phase I (starting in 2015-16) and Phase II (2017-18):

In order to implement a licensing program for manufacturing of medical cannabis products, CDPH will develop regulations and standards. The regulation development in Phases I will require a Staff Toxicologist, a Food and Drug Program Specialist and an AGPA. In Phase II, an additional AGPA will be phased in to begin the development of licensing desk procedures, development of applications and/or forms, create tracking records, metric development for licensing and enforcement activities, maintaining documentation, and providing analytical support.

Regulations, standards and procedures will be developed for:

- Licensing of level 1 Manufacturers (Type 6 license) which includes licensing of cannabis manufacturers sites that utilize nonvolatile solvents.
- Licensing of level 2 Manufacturers (Type 7 license) for sites that utilize volatile solvents.
- Standards for the production and labeling of all edible medical cannabis products.
- Extraction and infusion methods.
- Inventory procedures.
- Transportation process.
- Quality control procedures.
- Inspection, Sanitation and Health and Safety Standards.
- Enforcement, disciplinary action, and suspension or revocation of licenses.
- Advertising, labeling, inspection process and sampling.
- Determining adulteration and misbranding are also needed for a comprehensive program to ensure safety for the public regarding this new commodity.
- Warnings about allergens.
- Source of date of cultivation and manufacture.
- Unique identifier information issued by CDFA.

Phase III (2018-19 and on-going):

After the regulations have been developed, CDPH will begin licensing the medical cannabis manufacturers and commence enforcement activities. A third AGPA and an Office Technician will be phased in to assist in budgeting, and other administrative duties (purchasing, developing and

monitoring contracts, human resources, accounting, budgeting) and all other analytical administrative support. The 2 AGPAs from Phase I and II will oversee the licensing desk which will include processing incoming requests for customer support regarding the licensure process, process license paperwork and payments, track licensees, verify and validate licensees, and conduct associated administrative work.

An Environmental Program Manager (EPM) I and 2.0 unit supervisors will be hired to oversee field staff. The EPM I will supervise and direct the investigation and inspection of enforcement staff, coordination of the collection, and submission of samples for testing. CDPH will need 10.0 Investigators/Environmental Scientists that will conduct the investigations and inspections of manufacturers and persons engaged in the manufacturing, storage, distribution, sale and advertising of medical cannabis products throughout the State. The investigations will include detailed and comprehensive physical inspections of buildings, as well as the inspection and thorough review of manufacturing processes, operating procedures, and records. Inspections include gathering of facts and samples, assessing compliance, issuing notices of violations, discussing observations and corrective actions with firm management; preparing in-depth inspection or investigational reports; and making recommendations regarding corrective action and appropriate disposition of cases based on adequacy of evidence or procedures.

There are varying numbers of estimated medical marijuana dispensaries from different published websites ranging anywhere from 500 to 4,000. Based on the Sunrise Questionnaire and the Emerald Growers Association, there are an estimated 40,000 cultivation sites throughout California. According to www.weedmaps.com, there are over 4,000 medical marijuana dispensaries operating within California. The Act allows for cultivators (small) and dispensaries to also hold a manufacturing license. It is unknown at this time how many cultivators and dispensaries will request a license as a manufacturer. However, the department estimates that approximately 1,000 manufacturers will need to be licensed. The estimate of 1,000 manufacturers is also based on the 194 licensed manufacturers that Colorado currently has for an industry that is presumably much smaller than California's will be.

E. Outcomes and Accountability

CDPH's Marijuana Regulation programs will be new and will require time to hire new staff, begin training of staff, and purchase required equipment and research of other state's laws, regulations, and standards that have similar medical marijuana licensing programs. The department will also coordinate with DCA and the other licensing authorities to ensure a consistent statewide implementation. Beginning in January 2016, the department will begin to develop methods and metrics that will allow them to monitor activities and gauge performance and develop regulation packages.

In 2016-17 through 2018-19, CDPH will measure outcomes through the number of successful regulations promulgated, standards developed for testing of medical cannabis and medical cannabis products, standards developed for testing laboratories, and development and monitoring of license fee program for testing laboratories.

The completion of the regulation packages will be impacted by the Administrative Procedures Act (APA) process, which is California's rulemaking process. The rulemaking process requires that a state agency meet certain public hearing and notice requirements. Once the department finalizes the necessary documents, a formal APA rulemaking proceeding must be conducted, which requires a 45-day public comment period.

Projected Outcomes

Workload Measure	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Meetings with DCA and participate in the advisory committee	27	36	36	24	12	6
Conduct research and development of standards	Begin development	Continue development	Finalize			

Survey other state's laboratory methods and develop testing methodologies	Begin process	Continue process	Finalize			
Develop documents for regulation packages	Begin development	Continue development	Finalize			
Development of standards and procedures for licensing processes		Begin development	Finalize			
Release regulation packages for public comment			Begin public comment			
Licensing process (manufacturing)				800	900	1,000
Licensing and registration process (testing laboratories)				50	80	100
Number of Samples expected to be analyzed for enforcement purposes				25	50	50

F. Analysis of All Feasible Alternatives

Alternative 1: Establish 37.0 positions and \$12 million of total expenditure authority from the Medical Marijuana Regulation and Safety Act Fund for CDPH to carry out the statutorily mandated responsibilities of developing standards, regulations and perform research for Phase I, Phase II and Phase III activities. These positions will be phased in over three and a half years, starting with 6.0 permanent positions and \$457,000 of reimbursement authority in 15-16; and 8.0 additional permanent positions and \$3,438,000 of appropriation authority in 2016-17, 2.0 additional permanent positions and \$2,520,000 of authority in 2017-18, and an additional 21.0 permanent positions and \$5,658,000 of authority in FY 2018-19.

Pros:

- The Department will be able to meet statutory mandates and work on releasing new regulations for public comment by 2017-18 and develop standards to become operational for licensing activities by 2018-19.
- DCA has been provided an appropriation for the 2015-16 activities required by this Act. CDPH can begin their activities in the current year through an Inter-agency Agreement (IAA) with DCA and an increase in their reimbursement authority. CDPH will administratively establish the 6.0 positions for 2015-16.
- Future years beyond 2015-16 will allow for CDPH to receive a direct appropriation from the Medical Marijuana Regulation and Safety Act Fund and will no longer require the IAA with DCA.

Cons:

- Requires additional staffing and funding.

Alternative 2: Establish 37.0 positions and \$11,616,000 of total expenditure authority from the Medical Marijuana Regulation and Safety Act Fund for CDPH. These positions will be phased in over three years, starting in 2016-17 with 14.0 permanent positions and \$3,438,000 of authority, 2.0 additional permanent positions and \$2,520,000 of authority in 2017-18, and an additional 21.0 permanent positions and \$5,658,000 of authority in 2018-19, to carry out the statutorily mandated responsibilities of developing standards, regulations and perform research for Phase I, Phase II and Phase III activities.

Pros:

- The Department will begin developing statutory mandates and begin the development of regulations, manufacturing standards, testing methodologies for registration of testing laboratories with the goal of releasing the new regulation packages for public comment in 2017-18. Develop standards to become operational for licensing activities by 2018-19.
- CDPH would not need to develop an IAA with CDA for reimbursement from the Medical Marijuana Regulation and Safety Act for these activities in 2015-16, but could wait for a direct appropriation to be provided starting in 2016-17.

Cons:

- Release of regulation packages for public comment and development of standards will be delayed 6 months and may delay implementation of the Act. This could impact the licensing of manufacturers and testing laboratories as the regulations will contain the criteria for business operations and licensure.
- Implementation of licensing activities would be delayed 6 months, jeopardizing compliance with statutory mandates.

Alternative 3: Establish 10.0 permanent positions and \$2,821,000 of authority from the Medical Marijuana Regulation and Safety Act Fund in 2016-17, an additional 2.0 permanent positions in 2017-18 and \$1,972,000, and an additional 25.0 permanent positions and \$5,665,000 to begin the statutorily mandated responsibilities of the Act for Phase I, Phase II and Phase III activities.

Pros:

- The Department will begin developing statutory mandates and begin the development of regulations, manufacturing standards, testing methodologies for registration of testing laboratories with the goal of releasing the regulation packages for public comment in 2018-19. Implementation of licensing activities would begin in 2019-20.
- CDPH would not need to develop an IAA with CDA for reimbursement from the Medical Marijuana Regulation and Safety Act for these activities in 2015-16, but could wait for a direct appropriation to be provided starting in 2016-17.

Cons:

- Release of regulation packages for public comment and development of standards will be delayed until 2018-19.
- Unable to complete statutory mandates within three years.
- A lack of staffing will cause delays and generate complaints from the regulated community if they are unable to operate a business in California.
- Implementation of licensing activities would be delayed until 2019-20.

Alternative 4: Do Nothing

Pros:

- The Department will not develop a new licensing program.

Cons:

- Would not meet our statutory mandates to implement the regulation of medical cannabis.

G. Implementation Plan

Instituting this new program within the department will require a phased in approach consisting of three phases. The first phase beginning in 2015-16 will concentrate on writing regulations for the licensing

structure for medical cannabis manufacturers and licensing and registration of testing laboratories. The Bureau is expected to convene in 2015-16, and CDPH anticipates beginning preparation of draft regulations beginning in 2015-16, and filing the regulation packages for public comment in 2017-18.

- Phase One:
 - Hire Environmental Program Manager II, Research Scientist Supervisor II, and Attorney III beginning January 2016.
 - Hire Staff Toxicologist (Specialist), Food & Drug Program Specialist and Associate Governmental Program Analyst beginning March 2016.
 - Research and survey other states regulations for manufacturing licensure.
 - Research laboratory methodologies and updates to the standards of procedures and proficiency testing.
 - Hire staff beginning July 2016.
 - Develop methods for screening medical marijuana for common microbiological contaminants.
 - Quantification of active compounds in medical marijuana drug products.
 - Purchase necessary equipment. It will be utilized as part of the method development and to perform testing to validate methods.
- Phase Two:
 - Hire staff beginning July 2017.
 - Release proposed regulations for public comment.
 - Develop licensing procedures.
- Phase Three:
 - Hire staff beginning July 2018.
 - Begin licensing manufacturers and testing laboratories.
 - Begin conducting investigations and inspections of manufacturers and licensed testing laboratories.
 - Implement enforcement activities and provide corrective actions to ensure compliance with statutory mandates.

H. Supplemental Information

A one-time appropriation to purchase laboratory equipment that will be needed during the development of testing methodologies and regulations. Total cost will be \$1,180,000.

On-going annual funding for reagents and consumables that will be utilized during the methodology development and on-going testing. Total cost will be \$22,000 per year.

A one-time appropriation of \$270,000 for the purchase of vehicles for the Investigators/Environmental Scientists.

On-going annual funds of \$15,000 for vehicle maintenance and safety equipment.

On-going annual funds of \$30,000 annually for product sampling for enforcement purposes.

On-going annual funds of \$60,000 for equipment maintenance contracts.

A one-time appropriation of \$36,000 for Peace Officer Standards Training (POST) in BY+2.

On-going annual funds of \$2,400 for on-going annual POST annual training.

I. Recommendation

Approve Alternative 1: Establish 37.0 positions and \$12 million in funding from the Medical Marijuana Regulation and Safety Act Fund for CDPH to carry out the statutorily mandated responsibilities of developing standards, regulations and perform research for Phase I, Phase II and Phase III activities. These positions will be phased in over three and a half years, starting with 6.0 permanent positions and \$457,000 of reimbursement authority in 2015-16; and 8.0 additional new positions and \$3,438,000 of direct appropriation authority in 2016-17, an additional 2.0 positions and \$2,520,000 in 2017-18, and an additional 21.0 positions and total on-going authority of \$5,658,000 in 2018-19.

Workload Assessment
Center for Environmental Health
1.0 Environmental Program Manager II
Budget Year (BY) and on-going (Phase I)

Activity	Number of Items	Average Hours per Item	Total Hours
Plans, organizes, and directs the Office of Medical Cannabis Manufacturing and Testing. Manage investigative, scientific, administrative support and second level supervisory section staff of personnel; responsible for implementing and monitoring the activities specific to the Medical Cannabis Manufacturing and Testing programs. Coordinate the licensing and enforcement activities assuring resources and expertise are available to implement these licensing programs and identify unlicensed and non-compliant firms. Prepare performance evaluations, probation reports and oversee staff development. Coordination with CDPH's Food and Drug Laboratory Research Scientist Supervisor II on implementation of CDPH's marijuana program.	1	672	672
Oversee the high level policy issues related to scientific, legal, investigative, educational, and enforcement activities specific to the work of the Branch. Develop and direct staff specifically to respond to: 1) adulterated, misbranded, falsely advertised or otherwise unsafe medical cannabis products; 2) unsafe or otherwise improper production and processing practices; and 3) medical cannabis products safety recalls and complaint investigations.	1	532	532
Organize and direct the coordination of scientific and technical activities to assure consistency of investigative, inspectional, law enforcement and other activities with other departmental, local, state and federal programs. Assure utilization of state-of-the-art scientific and technical developments that can detect and prevent unsafe medical cannabis products and manufacturing practices.	1	200	200
Develop, maintain, and carry out statewide standards, regulations, and policy for continued implementation related to the establishment of product labeling and packaging standards and requirements for medical marijuana products.	1	60	60
Provide CDPH technical and public health input to regulatory processes including development of proposed regulations and response to public comment; assess effectiveness of implemented processes for addressing public health concerns.	8	22.5	180
Provide advice and consultation to CDPH and other state, local, and federal agencies regarding technical matters related to establishment of laboratory testing requirements and standards for certification of testing laboratories that test medical marijuana products.	24	6.5	156
Total workload hours projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Staff Services Manager II
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Hours
Assists the Chief in the planning and direction of the oversight and regulation of medical marijuana products and the certification of marijuana testing laboratories. The manager will assist in administrative and policy oversight of the two programs, which will include an enforcement, inspection and laboratory component.	1	960	960
Prepare Individual Development/Employee Appraisal Plans and probation reports.	1	40	40
Oversee and coordinate development and establishment of licensing and registration processes with written procedures for new and renewal licensing, issue/deny criteria, and administrative processes. Facilitate discussion of denied licenses with applicants and issue denial letters when appropriate.	1	350	350
Track program budget to monitor all revenue and expenditures. Draft Budget Change Proposals (BCP) for budget year and Finance Letters/ BCPs for subsequent years.	1	350	350
Audit/Review employee performance.	1	100	100
Total workload hours projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Associate Governmental Program Analyst
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Hours
This position will provide support in the promulgation of regulations and standards as it pertains to the licensing and enforcement of medical cannabis product.	1	500	500
Development of process, forms and standards for review of licensing applications and other required documents for completeness and consistency. Begin to develop information needed for master data file for information on the licensee and to analyze data for licensee application.	250	1	250
Development of process to identify and notify applicants of deficiencies and/or other outstanding violations identified by the investigators via written correspondence. Development of process to verify license eligibility based on compliance with statutory and regulatory requirements, licensing criteria and knowledge of the Health and Safety (H&S) Code. Develop process to track and monitor any outstanding firms that receive deficiency letters and have not met required timeframes by providing information, detailed instructions and guidance to firms to complete the licensing process.	500	.6	300
Develop process for electronic assignments for facility inspections to investigative staff based on pre-screened applications, including various electronic document attachments.	250	1	250
Development of process to receive and review inspection reports and consult with Unit Chief to verify implementation of recommendations has occurred.	250	1	250
Research files, gather information on problem cases and determine appropriate action, answer technical licensing questions for firms and verify that all licensing requirements are met. Assist firms, industry, and public agencies by phone, explain specific licensing provisions of the H&S Code, and provide clarification on licensing issues. Coordinate license activities with science and field staff to verify information and to determine a firm's license status. Contact firms on sensitive issues regarding license denials, late payments, invalidation notices, etc.	10	15	150
Receive and respond to telephone calls and public contacts for program staff and Section Chief applying knowledge of policies and procedures to answer questions.	60	1	60
Respond to complaint calls from both licensees and consumers. Track and report results of findings regarding complaints to management.	40	1	40
Total workload hours projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

Workload Assessment
Center for Environmental Health
1.0 Food and Drug Program Specialist
BY and on-going (Phase I)

Activity	Number of Items	Average Hours per Item	Total Hours
Coordinate and facilitate program development to ensure that overall statewide goals and objectives for the Manufacturing of medical cannabis products are met. Identify strengths and deficiencies of such programs and provide administrative and technical consultation to improve and correct program deficiencies.	350	1	350
Identify strengths and deficiencies of the Medical Cannabis Manufacturing Section and provide administrative and technical consultation to improve and correct program deficiencies.	350	1	350
Review and evaluate monthly activity and inspection reports to determine patterns or trends in the industry. Collect, analyze, and report significant findings to the Section Chief.	300	1	300
Coordinate and oversee special projects and survey activities with Branch scientific staff.	200	1	200
Conduct and coordinate specific complex field investigations throughout the State.	200	1	200
Act as the statewide CDPH expert on medical cannabis manufacturing. Develop correspondence and publications that clarify or explain laws, regulations, and FDB enforcement policies and distribute to local health jurisdictions, industry, legislators, other state and federal agencies, special interest groups, and consumers and the public. In addition, prepares correspondence and training materials and makes presentations regarding the Medical Cannabis Manufacturing Section policies, laws, and regulations.	120	1	120
Development of processes for hearings and other enforcement actions.	10	10	100
Development of processes to Conduct Recall Effectiveness Checks for medical marijuana activities.	80	1	80
Professional Development: Staff Meetings and training/Qualifications.	10	10	100
Total hours for workload projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Staff Toxicologist
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Hours
Plans, originates, designs, and carries out toxicological studies and investigations; will act as an expert on the development of regulations. On-going activities will include on-going research of toxicological studies and investigations related to medical marijuana.	50	16	800
Annual and ongoing activities include acting as a Statewide expert on the toxicological properties of chemicals for purpose of advising on health and environmental problems; interprets and evaluates experimental study results in terms of toxicological properties and hazards, especially in the area of expertise.	50	10	500
Evaluates, advises, and consults on the adequacy of toxicological data. Development of reports, and provide consultative expertise and recommendations to management.	50	10	500
Total hours for workload projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Associate Governmental Program Analyst
BY+1 and on-going (Phase II)**

Activity	Number of Items	Average Hours per Item	Total Hours
Provide administrative support to Assistant and Division Chiefs on regulation development.	80	5	400
Preparation, coordination and review of all work assignments including drills, inquiries, and requests from Center, Directors Office, and regulatory agencies.	40	5	200
Coordination, monitoring, and review of legislative inquiries, bills, and legislative concepts.	20	25	500
Review and tracking of purchasing documents and contracts.	20	25	500
Human Resources (hiring, benefits), Accounting, Budgeting, and all other analytical administrative support.	32	5	160
Professional development, training coordinator, and staff meetings.	5	8	40
Total workload hours projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Associate Governmental Program Analyst
BY+1 and on-going (Phase II)**

Activity	Number of Items	Average Hours per Item	Total Hours
Development of process to review and analyze licensing applications and other required documents. Development of requirements for creating a master data file for information on the licensee and process to analyze data for consistency with new applications. Process to identify and notify applicants of deficiencies and/or other outstanding violations identified by the investigators via written correspondence.	500	2	1000
Development of process to verify license eligibility based on compliance with statutory and regulatory requirements, licensing criteria and knowledge of the H&S Code. Development of manufacturing licenses in accordance with Unit procedures. Develop processes that will be utilized to monitor license status and identify information that will be gathered (including confidential information) from a variety of sources.	250	1	250
Develop electronic assignments that will be utilized for facility inspections to investigative staff based on pre-screened applications, including various electronic document attachments. Development of processes for inspection reports including how they will be received and reviewed and how to verify implementation of recommendations has occurred. Follow up with investigative staff. Generate and track regulatory letters sent to applicants.	250	1.5	375
Research files, gather information on problem cases and determine appropriate action. Answer less technical licensing questions for firms and verify that all licensing requirements are met. Assist firms, industry, and public agencies by phone, explain specific licensing provisions of the H&S Code and provide clarification on licensing issues. Coordinate license activities with science and field staff to verify information to determine a firm's license status.	101	1	101
Receive and respond to telephone calls and public contacts for program staff and Section Chief applying knowledge of Medical Cannabis Manufacturing Program policies and procedures to answer questions.	50	1	50
Professional development, training, and staff meetings.	3	8	24
Total workload hours projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

Workload Assessment
Center for Environmental Health
1.0 Environmental Program Manager I
BY+2 and on-going (Phase III)

Activity	Number of Items	Average Hours per Item	Total Hours
Plans, organizes, directs, and determines effectiveness of the Section. Supervises supervisory, investigative and administrative, including Toxicologist position, by implementing and monitoring the activities specific to the particular unit.	1	740	740
Oversee the legal, investigative, educational and enforcement activities specific to the Unit. Track and forecast emerging public health trends affecting the licensed industries, and develop regulatory strategies to address them. Develop and direct staff specifically to respond to: 1) adulterated, misbranded, falsely advertised or otherwise unsafe products; 2) unsafe or otherwise improper production and manufacturing practices; and 3) recalls and complaint investigations.	1	600	600
Organize and confer on the coordination of technical activities to assure consistency of investigative, inspectional, law enforcement, and other activities with other departmental, local, state, and federal agencies and programs. Assure utilization of state-of-the-art scientific and technical developments that can detect and prevent consumers being exposed to unsafe products and production practices.	1	200	200
Evaluate and audit statewide licensing program plans, policies, procedures, budgets, training, education efforts, and all other activities necessary to assure product safety.	1	60	60
Collaborate with other regulatory agencies to develop work plans and share issues and concerns to protect public health.	1	100	100
Professional development, staff meetings, Peace Officer training/qualifications.	1	100	100
Total workload hours projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Executive Secretary I
BY+2 and on-going (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Hours
Under the direction of the Chief of the Office of Medical Cannabis Manufacturing and Testing, the Executive Secretary is responsible for making routine decisions and performs a variety of difficult and independent secretarial work to relieve the Chief of these responsibilities.	20	31.5	630
Provides clerical support for the Chief and Assistant Chief. Acts as attendance coordinator.	10	31.5	315
Reviews and screens incoming correspondence routed to the Chief and delegates to appropriate staff members for reply.	10	31.5	315
Track and coordinate assignments, follows up to ensure deadlines are met.	40	1	40
Arranges meetings and conferences for all staffs' daily calendars, setting priorities based on understanding of program.	40	2.5	100
Types a variety of correspondence, reports, legislative analyses, regulations, charts, tables, media responses, out-of-state travel coordination and other materials.	80	5	400
Total workload hours projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

Workload Assessment
Center for Environmental Health
2.0 Environmental Scientist (Supervisory)
BY+2 and on-going (Phase III)

Activity	Number of Items	Average Hours per Item	Total Hours
Supervise personnel that conduct the investigations and inspections of manufacturers and persons engaged in the manufacturing, storage, distribution, sale and advertising of regulated products. Manage program staff performing activities specific to the medical marijuana unit and its licensing programs. Coordinate the licensing activities assuring resources and expertise is available to implement the licensing programs and identify unlicensed and non-compliant firms. Prepare performance evaluations, probation reports, and oversee staff development.	1,480	1	1480
Oversee the legal, investigative, educational and enforcement activities specific to the medical marijuana unit. Track and forecast emerging public health trends affecting the licensed industries, and develop regulatory strategies to address them. Develop and direct staff specifically to respond to: 1) adulterated, misbranded, falsely advertised or otherwise unsafe products; 2) unsafe or otherwise improper production and processing practices; and 3) recalls and complaint investigations.	1,200	1	1200
Organize and confer on the coordination of technical activities to assure consistency of investigative, inspectional, law enforcement, and other activities with other departmental, local, state, and federal agencies and programs. Assure utilization of state-of-the-art scientific and technical developments that can detect and prevent consumers being exposed to unsafe products and production practices.	400	1	400
Evaluate and audit statewide medical marijuana licensing program plans, policies, procedures, budgets, training, education efforts, and all other activities necessary to assure product safety.	120	1	120
Collaborate with the DCA, CDFA, and other regulatory agencies to develop workplans and share issues and concerns to protect public health.	200	1	200
Professional development, staff meetings, Peace Officer training/qualifications.	200	1	200
Total workload hours projected for this classification			3,600
1,800 hours = 1 PY			2.0
Actual number of PY's requested			2.0

**Workload Assessment
Center for Environmental Health
8.0 Environmental Scientists
BY+2 and on-going (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Hours
Complete license inspection of firm's overall compliance, facility, products, procedures, labels and components; check quality control, review employee training and experience, issue notices of violation, draft compliance actions when necessary.	800	10	8000
Preparation for inspection activities: for example, review firm file, products made and applicable requirements, and compliance status.	800	2	1600
Travel to and from manufacturing facility.	800	3	2400
Complete written report of inspection and recommend further action or licensing.	800	3	2400
Total workload hours projected for this classification			14,400
1,800 hours = 1 PY			8.0
Actual number of PY's requested			8.0

**Workload Assessment
Center for Environmental Health
2.0 Investigator
BY+2 and on-going (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Hours
Complete/conduct licensing investigations, complaint referrals of firm's overall compliance with California law and regulations, facility, products, procedures, labels, ingredients or components; check quality control, review employee training and experience, issue notices of violation, prepare civil and criminal cases when necessary.	200	10	2000
Preparation for investigation activities: for example, review firm file, products made and applicable requirements, and compliance status.	200	2	400
Travel to and from manufacturing facility.	200	3	600
Complete written report of investigation and recommend further action or licensing.	200	3	600
Total workload hours projected for this classification			3,600
1,800 hours = 1 PY			2.0
Actual number of PY's requested			2.0

**Workload Assessment
Center for Environmental Health
1.0 Associate Governmental Program Analyst
BY+2 and on-going (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Provide analytical support of Medical Cannabis Manufacturing regulations. Provide assistance and consultation to applicants.	50	5	250
Monitor Progress and compliance with deadlines.	1	80	80
Develop third party contracts, monitor performance and approve payments.	1	125	125
Coordinate and monitor the processing of medical cannabis manufacturing applications.	1	125	125
Prepare quarterly program status reports.	1	75	75
Provide program administrative support (CALSTARS, budgets, business services, personnel, reports, administrative drills).	1	135	135
Develop standardized application forms and related documents.	10	6.7	67
Develop and maintain a comprehensive data management system to track projects and deadlines for medical cannabis manufacturing licensees, .	1	50	50
Develop program financial reports and forms.	1	35	35
Prepare monthly expenditure statements and summary data on number of new and renewing license applications .	1	45	45
Personnel and business services.	1	100	100
Prepare and submit monthly financial reports .	12	12	144
Review licensee questions related to payments of license, respond to questions from the public regarding conformity with regulations nd standards and outstanding payments, and work with accounting to ensure payments were processed. Resolve issues so claims can be processed. (Program).	1	175	175
Review and process claim requests from applicants (Program).	1	35	35
Process new applications and renewals.	1	333	333
Review and evaluate financial information.	1	20	20
Attend monthly status meetings	2	3	6
Total hours for workload projected for this classification			1800
1,800 hours = 1 PY			
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Office Technician
BY+2 and on-going (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Hours
Prepare, edit, and finalize all controlled correspondence and general correspondence including, but not limited to, legislative bill analyses, regulations, Budget Change Proposals, and regulatory letters.	120	5	600
Develops a system to track and maintain files of sensitive and confidential correspondence and other program files; and provides assistance to technical staff and management in typing proposed legislation, public records act requests, reports to the Legislature, and other documents as required.	145	8	1,160
Professional development, training coordinator, and staff meetings.	5	8	40
Total workload hours projected for this classification			1,800
1,800 hours = 1 PY			1.0
Actual number of PY's requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist Supervisor II (CS)
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Supervision of scientific staff (chemical and microbiological Research Scientists I, II, and III) involved with the development of medical cannabis testing standards. Coordination with CDPH's CEH EPM II Chief on implementation of CDPH's marijuana program.	9	46	414
Provide scientific expertise and guidance in the development of standards for health, safety, and testing of cannabis products.	25	1	25
Promulgation of regulations for oversight of cannabis safety testing and licensing of labs.	1	200	200
Tasks for ISO accreditation of CDPH medical cannabis testing laboratory.	15	8	120
Provide technical guidance in planning, organizing, and directing original scientific research studies of marijuana products.	6	15	90
Review licensing process proposed for cannabis testing laboratories overseen by CDPH. Ongoing oversight of licensing process.	1	50	50
Review of testing laboratories licensing applications.	50	7	350
Oversight of complaints and investigations of cannabis testing laboratories.	10	16	160
Review reports of investigations, testing laboratory records review, license applications, and communications between staff and licensed testing laboratories.	50	4	200
Serve on advisory committee as a state agency member as required if convened by Bureau.	1	19	19
Oversight and review of notices for suspension/revocation of licenses, preparation for hearings with licensees.	1	80	80
Review and oversee submission of license reports to Bureau.	1	20	20
Direction of staff to collect and track efficiencies of program to monitor and report to legislature on time for processing applications, number of applications, number of violations, time involved for investigations, etc.	1	20	20
Oversight of development of licensing fees to cover regulatory costs of licensing activities of program.	1	52	52
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist III (CS)
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Develop regulations and on-going research of standard procedures for testing cannabis products.	1	100	100
Develop regulations that address standards of performance for testing laboratories. On-going research of standards of performance.	1	100	100
Develop procedures to ensure testing of cannabis prior to delivery to dispensaries and other businesses, determine frequency of testing of cannabis products required.	1	100	100
Develop regulations that address personnel requirements, quality assurance, chain of custody, and maintenance of records.	1	100	100
Develop methods for sample analysis. On-going research.	25	10	250
Tasks for ISO accreditation of CDPH medical cannabis testing laboratory.	15	7	105
Method development; writing reports for the laboratory, and reviewing license renewal applications. Conduct routine analyses of submitted cannabis samples for marijuana for contaminants. Prepare laboratory analysis reports including reporting of Quality Control samples. Prepare scientific research reports as needed for the validation of testing of contaminants in different matrices. Maintain laboratory equipment.	50	4	200
Development of testing laboratories licensing applications, requirements, and standards. On-going review of licensing applications.	50	8	400
Develop written reports on complaints and investigations of cannabis testing laboratories.	1	80	80
Develop written reports of testing laboratory records review. On-going, write summary reports on license applications and communications between staff and licensed testing laboratories.	50	4	200
Development of standards for notices for suspension/revocation of licenses, and development of standards for hearings with licensees.	1	35	35
Review records of failed products and testing by licensed labs, any remedial measures taken to get products to meet requirements, and review of proper disposal measures taken for failed products.	10	8	80

Write reports on activities for reporting to Bureau.	50	1	50
Total hours for workload projected for this classification			1800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist III (MS)
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Develop methods for screening medical marijuana for common microbiological contaminants including, but not limited to bacteria (<i>E. coli</i> , <i>Klebsiella</i> , <i>Pseudomonas</i> , <i>Salmonella</i> , <i>Listeria</i> , <i>Campylobacter</i> , <i>Streptococci</i>)	10	50	500
Create regulations based on screening methods being developed concurrently for microbiological organisms.	10	50	500
Develop laboratory analysis reports and scientific research reports for microbiological organisms. Perform research of other state's standards and regulations.	10	20	200
Develop Quality Control methods needed during sample analysis of microbiological organisms listed above.	10	20	200
Tasks for ISO accreditation of bacterial organisms (see above) for CDPH medical cannabis testing laboratory.	10	20	200
Review development of testing laboratories licensing applications, requirements, and standards. On-going review of licensing applications.	10	20	200
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist III (CS)
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Develop, validate, implement, and organize scientific analysis on the quantification of active compounds in medical marijuana drug products (Chemical). Analyze samples for cannabinoid potency and profile [Tetrahydrocannabinol (THC), Tetrahydrocannabinol acid (THCA), Cannabidiol (CBD); Cannabinadiolic acid (CBDA); Cannabidivarine (CBDV); Cannabinol (CBN); Cannabigerol (CBG); Terpene profile].	10	8	80
Develop methods that would be utilized in development of regulations.	10	8	80
Support development of procedures for field sampling, lab subsampling, and preparation of samples for chemical analysis.	10	4	40
Maintains laboratory equipment.	2	195	390
Method development; writing reports for the laboratory, work on process and standards for the review of license renewal applications. Conduct routine analyses of submitted cannabis samples for marijuana for contaminants. Prepare laboratory analysis reports including reporting of Quality Control samples. Prepare scientific research reports as needed for the validation of testing of contaminants in different matrices. Maintain laboratory equipment.	50	8	400
Development of standards for review of testing laboratories licensing applications.	50	8	400
Develop reports that will be needed for complaints and investigations of cannabis testing laboratories.	25	2	50
Develop and write standards for reports that will be utilized for testing laboratory records review, license applications, and communications between staff and licensed testing laboratories.	50	4	200
Develop and write standards for notices for suspension/revocation of licenses, provide feedback for hearings with licensees.	10	2	20
Develop and write standards for the review of records of failed products and testing by licensed labs, any remedial measures taken to get products to meet requirements, and review of proper disposal measures taken for failed products.	10	4	40
Write reports on activities for reporting to Bureau.	50	2	100
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist II (CS)
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Develop, validate, implement, and organize scientific analysis on the identification and quantification of fungal toxins such as aflatoxin A1, A2, B1, B2, and ochratoxin in medical marijuana products.	5	20	100
Develop methods that would be utilized in development of regulations.	20	10	200
Prepare scientific research reports as needed for the validation of testing fungal toxins in different matrices.	5	10	50
Support development of procedures for field sampling, lab subsampling, and preparation of samples for chemical analysis.	5	4	20
Maintain laboratory equipment.	1	200	200
Continued method development; writing reports for the laboratory, and reviewing license renewal applications. Conduct routine analyses of submitted cannabis samples for marijuana for contaminants. Prepare laboratory analysis reports including reporting of Quality Control samples. Prepare scientific research reports as needed for the validation of testing of contaminants in different matrices. Maintain laboratory equipment.	50	8	400
Development of standards for review of testing laboratories licensing applications.	50	5	250
Development of standards for written reports for complaints and investigations of cannabis testing laboratories	10	16	160
Development of written reports and standards for testing laboratory records review, license applications, and communications between staff and licensed testing laboratories.	50	5	250
Development of standards for notices for suspension/revocation of licenses, provide feedback for hearings with licensees.	10	3	30
Development of standards for review of records of failed products and testing by licensed labs, any remedial measures taken to get products to meet requirements, and review of proper disposal measures taken for failed products.	10	4	40
Development of reports on activities for reporting to Bureau.	50	2	100
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist III (CS)
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Develop, validate, implement, and organize scientific analysis on the identification and quantification of pesticides, herbicides, fungicides or growth regulators used during production of medical marijuana drug products.	25	8	200
Develop methods that would be utilized in development of regulations.	25	10	250
Regular identification and quantification of residual solvents that may be present in marijuana products as a result of manufacturing.	15	4	60
Support development of procedures for field sampling, lab subsampling, and preparation of samples for chemical analysis.	4	20	80
Maintain laboratory equipment.	25	10	250
Continued method development; writing reports for the laboratory, and reviewing license renewal applications. Conduct routine analyses of submitted cannabis samples for marijuana for contaminants. Prepare laboratory analysis reports including reporting of Quality Control samples. Prepare scientific research reports as needed for the validation of testing of contaminants in different matrices. Maintain laboratory equipment.	50	4	200
Review testing laboratories licensing applications.	50	6	300
Write reports on complaints and investigations of cannabis testing laboratories.	25	2	50
Write reports of testing laboratory records, write summary reports on license applications, and communications between staff and licensed testing laboratories.	50	5	250
Write notices for suspension/revocation of licenses and provide feedback for hearings with licensees.	10	2	20
Review records of failed products and testing by licensed labs, any remedial measures taken to get products to meet requirements, and review of proper disposal measures taken for failed products.	10	4	40
Write reports on activities for reporting to Bureau.	50	2	100
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Associate Governmental Program Analyst
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Provide analytical support in development of regulations, provide assistance and consultation to applicants.	50	5	250
Monitor Progress and compliance with deadlines.	1	80	80
Develop third party contracts, monitor performance and approve payments.	1	125	125
Coordinate and monitor the processing of licensee applications.	100	1.25	125
Prepare quarterly program status reports.	1	75	75
Provide program administrative support (CALSTARS, budgets, business services, personnel, reports, administrative drills).	1	135	135
Develop standardized application forms and related documents.	1	67.5	67.5
Develop and maintain a comprehensive data management system to track projects, deadlines and licensee payments.	1	50	50
Develop pre-application forms and distribute to all testing laboratories.	1	32.5	32.5
Develop program financial reports and forms.	1	35	35
Prepare monthly expenditure statements and summary data on number of new and renewing license applications.	1	45	45
Personnel and business services.	100	3	300
Prepare and submit financial reports.	12	10	120
Review licensee questions related to payments of license, respond to questions from the public regarding conformity with regulations and standards and outstanding payments, and work with accounting to ensure payments were processed. Resolve issues so claims from licensees can be processed. (Program).	1	175	175
Review and process claim requests from applicants (Program).	1	35	35
Process new and renewal applications.	100	1	100
Review and evaluate financial information.	1	20	20
Attend monthly project status meetings	30	1	30

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Total hours for workload projected for this classification			1800
1,800 hours = 1 PY			
Actual number of PYs requested			1.0

Workload Assessment
Center for Environmental Health
1.0 Research Scientist III (MS)
BY +2 and on-going (Phase III)

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Work with RS III to develop and refine methods for screening medical marijuana for common microbiological contaminants including, but not limited to, bacteria (<i>E. coli</i> , <i>Klebsiella</i> , <i>Pseudomonas</i> , <i>Salmonella</i> , <i>Listeria</i> , <i>Campylobacter</i> , <i>Streptococci</i>) and develop methods for screening of fungal pathogens (<i>Penicillium</i> , <i>Aspergillus</i> , <i>Cladosporium</i> , <i>Fusarium</i> , <i>Mucor</i> , <i>Thermophilic Actinomycetes</i>) in various matrices.	10	50	500
Work with RS III to create and refine regulations based on screening methods that are being developed concurrently for microbiological organisms.	10	20	200
Work with RS III to develop and refine laboratory analysis and scientific research reports for microbiological organisms.	10	20	200
Work with RS III to develop and refine Quality Control methods needed during sample analysis of microbiological organisms.	10	20	200
Tasks for ISO accreditation of fungal organisms (see above) for CDPH medical cannabis testing laboratory.	10	20	200
Begin review testing laboratories licensing applications.	30	10	300
Develop chain of custody and sample receiving and inspection documentation. Develop data entry and results analysis protocols into Laboratory Information Management System (LIMS).	10	20	200
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist III (MS)
BY +2 and on-going (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Work with RS III to develop and refine methods for screening medical marijuana for common microbiological contaminants including, but not limited to, bacteria (<i>E. coli</i> , <i>Klebsiella</i> , <i>Pseudomonas</i> , <i>Salmonella</i> , <i>Listeria</i> , <i>Campylobacter</i> , <i>Streptococci</i>) and fungi (<i>Penicillium</i> , <i>Aspergillus</i> , <i>Cladosporium</i> , <i>Fusarium</i> , <i>Mucor</i> , <i>Thermophilic Actinomycetes</i>) in various matrices.	10	30	300
Work with RS III to create and refine regulations based on screening methods that are being developed concurrently for microbiological organisms.	10	30	300
Work with RS III to develop and refine laboratory analysis and scientific research reports for microbiological organisms.	10	20	200
Work with RS III to develop and refine Quality Control methods needed during sample analysis of microbiological organisms.	10	20	200
Develop chain of custody and sample receiving and inspection documentation. Develop data entry and results analysis protocols into Laboratory Information Management System (LIMS).	10	20	200
Review testing laboratories licensing applications.	30	10	300
Write reports on complaints and investigations of cannabis testing laboratories.	20	5	100
Write notices for suspension/revocation of licenses and provide feedback for hearings with licensees.	10	5	50
Review records of failed products and testing by licensed labs, any remedial measures taken to get products to meet requirements, and review of proper disposal measures taken for failed products.	10	5	50
Write reports on activities for reporting to Bureau.	50	2	100
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Office Technician (Typing)
BY+2 and ongoing (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Prepare, edit, and finalize all correspondence including regulation language.	343	2	686
Develop a system to track and maintain files of sensitive and confidential correspondence and other program files.	270	3	810
Provide assistance to technical staff and management in typing proposed regulations, public records act responses, and preparing templates.	50	4	200
Attendance Coordinator duties.	8	4	32
Payroll issues for all of the staff.	9	8	72
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist I (MS)
BY+2 and on-going (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Chain of custody documentation, samples receiving and inspection.	10	18	180
Data entry into Laboratory Information Management System (LIMS).	10	18	180
Reagent and sample preparation.	10	36	360
DNA extraction and real-time PCR set up.	10	36	360
Performance of analysis of sample.	10	18	180
Data analysis/ interpretation.	10	18	180
Quality assurance activities.	10	18	180
Report writing, review testing laboratories licensing applications, and evaluate methods for the testing of medical marijuana products proposed by other testing laboratories.	10	18	180
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Research Scientist I (CS)
BY+2 and on-going (Phase III)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
Develops chemical methods for testing of medical marijuana products for the presence of a wide range of heavy metals (Antimony, Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, Zinc, and Mercury).	9	9	81
Prepares scientific research reports as needed for the validation of testing of metals in different sample matrices.	9	2	18
Develop standards for field sampling, lab subsampling, and preparation of samples for chemical analysis.	9	4	36
Maintains laboratory equipment.	1	200	200
Evaluates applicant laboratories' methods for the testing of medical marijuana products for the presence of a wide range of heavy metals (Antimony, Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, Zinc, and Mercury).	9	8	72
Continued method development; writing reports for the laboratory, and reviewing license renewal applications. Conduct routine analyses of submitted cannabis samples for marijuana for contaminants. Prepare laboratory analysis reports including reporting of Quality Control samples. Prepares scientific research reports as needed for the validation of testing of contaminants in different matrices. Maintains laboratory equipment.	100	8	800
Review testing laboratories licensing applications.	50	4	200
Write reports on complaints and investigations of cannabis testing laboratories.	27	2	54
Write reports of testing laboratory records review, license applications, and communications between staff and licensed testing laboratories.	46	5	230
Write notices for suspension/revocation of licenses, provide feedback for hearings with licensees.	10	2	20
Review records of failed products and testing by licensed labs, any remedial measures taken to get products to meet requirements, and review of proper disposal measures taken for failed products.	10	4	40
Write reports on activities for reporting for Legislative Report.	49	1	49
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			1.0
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
1.0 Attorney III
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
<p>Provide legal research, advice, and drafting complex regulation packages implementing the Medical Marijuana Regulation and Safety Act (MMR&SA) as it pertains to cannabis manufacturing, cannabis edibles, and the laboratories that will test dried marijuana plants and cannabis products. Provide expert legal analysis of the MMR&SA and related statutes and regulations and other sources of information in developing regulations governing quality-control and health and safety standards for the manufacturing of medical marijuana edible products, labeling and packaging of products, licensing and license discipline for manufacturers and registration of testing labs, testing-lab procedure requirements, and enforcement provisions. Oversee the California Administrative Procure Act rulemaking process, including answering public comments, engaging with stakeholders, holding rulemaking hearings, and drafting statements of reason. Communicate with the Office of Administrative Law as necessary.</p>	4	200	800
<p>Consult with clients, subject-matter experts, stakeholders, the Directorate, CHHS Agency, Bureau of Medical Marijuana Regulation, and other Licensing Authorities and attend meetings with the Medical Marijuana Advisory Committee and stakeholders regarding substantive legal policy in developing regulations to implement MMR&SA and when new regulatory needs are identified. Represent the Department before other agencies and industry associations on matters related to department regulations.</p>	24	8	192
<p>Analyze legislative bills for impact to program and potential regulatory needs. Consult with client, LGA, Center, and Directorate on amendments to bills to increase efficiency in their implementation and potentially to reduce the regulatory burden.</p>	6	10	60
<p>Respond to inquiries from the Governor's Office, the CHHS Agency, Office of Public Affairs, other state and local agencies, and the public on MMR&SA. Review and draft communications with stakeholder groups regarding MMR&SA.</p>	12	6	72
<p>Advise program on implementation of MMR&SA licensing and enforcement provisions, including denial of license applications, licensee discipline actions, and enforcement actions for civil penalties and fines. Provide guidance and assist with the development of procedures and templates that meet statutory and due process</p>	24	6	144

requirements.			
Advise program on enforcement actions. Review and evaluate evidence and review and draft regulatory letters and enforcement referrals. Respond to inquiries regarding enforcement actions. Coordinate and oversee referrals to the department's administrative litigation team on appeals of license denials, suspensions and revocations.	12	20	240
Act as primary liaison and provide assistance to the Attorney General's Office on any litigation regarding challenges to regulations and for enforcement referrals regarding imposition of civil penalties for violations of MMR&SA.	5	44	220
Advise clients on other laws and issues as necessary including Public Records Act request, subpoenas, conflict of interest, confidentiality and trade secrets, and contracting. Review contracts for compliance with state contracting laws, including contracting for personal services, negotiating contract language and obtaining DGS approval of contract provisions when necessary.	12	6	72
Total hours for workload projected for this classification			1,800
1,800 hours = 1.0 PYs			
Actual number of PYs requested			1.0

**Workload Assessment
Center for Environmental Health
Information Technology
1.0 Staff Programmer Analyst
BY and on-going (Phase I)**

Activity	Number of Items	Average Hours per Item	Total Annual Hours
<p>Develop and implement system plans, schedules, prioritization of all production, and project-related IT-business activities. Performs tasks during the SDLC, including systems analysis, design, programming, integration, testing, deployment, administration, technical support, and disaster recovery and production maintenance. Review, develop, and design software. Lead design and development efforts for new application and upgrades to existing applications.</p> <p>Develop solutions for, and prioritize system problems and enhancements to customer requests for system changes. Work extensively with program managers and staff to develop formal change requests and recommend alternative solutions.</p>	81.25	8	650
<p>Utilize programming language knowledge and journey-level knowledge of relational databases to assist with the programming of applications, development of test cases/test scripts and assists system users to conduct user acceptance testing. Implement software upgrades and provides on-going application support. Lead programming efforts, development of test cases and assist system users.</p>	94	5	470
<p>Procure IT applications and products and services. Develop vendor requirements and evaluate vendor proposals. Coordinate and communicate with IT staff, vendors and external entities.</p>	68	2.5	170
<p>Respond to automated systems users' help-desk requests and work closely with application</p>	340	.5	170
<p>Research complex programming problems, identify problems, develop solutions, and present recommendations. Identify solutions to complex programming problems. Meet with customers to identify business needs, identify resources, and develop schedules.</p>	56.67	3	170
<p>Develop high level workplans, discuss business/system requirements, and identify resources, schedules and priorities. Communicate with peers, clients, and customers. Keep management and staff informed of project status.</p>	85	2	170
<p>Total hours for workload projected for this classification</p>			1,800
<p>1,800 hours = 1.0 PYs</p>			
<p>Actual number of PYs requested</p>			1.0



CA Department of Public Health Office of Legal Services

Attachment II



Karin Schwartz
Deputy Director
580-140-0056-001

SSM II
Miyoko Sawamura
580-140-4801-002

Sherrie Lowenstein
ACC
Regulations, Privacy, and
Special Projects
580-140-7500-003

ACC
Vacant
Administration Litigation
580-140-5871-001

Tze Ming U
ACC
Center for Health Care
Quality
580-140-7500-909

Mike Rainville
ACC
Contracts and Prevention
Services
580-140-7500-001

SSM II (Supervisory)
Alana McKinzie
580-140-4801-003

∞ Attorney III
Keith Van Wagner
580-140-5795-001

Privacy-Attorney IV
Stephen Stuart
580-140-5780-006

Attorney IV
Cindy Lloyd
580-140-5780-002

Attorney IV
Lynda Williams
580-140-5780-008

Attorney V
Goldie Eng
580-140-5781-909

3.2

Attorney IV
Peter Sapunor
580-140-5780-007

Attorney IV
Nancy Barrera
580-140-5780-003

OLS Admin

SSM I (Specialist)
Linda Cortez
580-140-4800-003

Attorney III
Vacant
580-140-5795-909

Attorney III
PRA/Privacy
Debra Gass
580-140-5795-010

Attorney III
Evelyn Hodson
580-140-5795-004

** Attorney
Chris Chang
580-140-5778-031

Attorney IV
Melissa Hamill
580-140-5780-001

Attorney III
Sharon Simms
580-140-5795-017

Attorney III
Gregory Holtom
580-140-5795-018

Attorney III
Peggy Campbell
580-140-5795-009

SSM I (Supervisory)
Maria Rodine
580-140-4800-006

SSM I (Specialist)
Dawn Basciano
580-140-4800-001

Attorney
Bridget Jones
580-140-5778-032

AGPA
Vacant
580-140-5393-704

Attorney III
Justin Miyai
580-140-5795-012

Attorney III
Vacant
580-140-5795-909

Attorney IV
Carrie Camarena
580-140-5780-909

Attorney
Stephanie Spich
580-140-5778-030

Attorney III
Thayer Goodenow
580-140-5795-019

Attorney III
Lehoa Nguyen
580-140-5795-011

AGPA
Mona Fenner-Fields
580-140-5393-713

SSM I (Specialist)
Charlet Archuleta
580-140-4800-005

Attorney
Alexandra Stupple
580-140-5778-029

AGPA (PRA)
Sally Giarrusso
580-140-5393-702

Attorney III
Tracy Vessigault
580-140-5795-008

Attorney/Acting ACC
Craig Thomas
580-140-5778-023

Attorney III
Vacant
580-140-5795-016

Senior Legal Analyst
Mary Booth
580-140-5333-003

Attorney III
Katie Belmonte
580-140-5795-003

*Attorney III
Gary Chang
580-140-5795-016

Staff Serv. Analyst
Phi Phan
580-140-5157-701

AGPA
Lesya Vorobets
580-140-5393-707

*Attorney
Abigail May
580-140-5778-909

AGPA

* Attorney
Barbara Turner
580-140-5778-035

* Attorney
Daniel Meyer
580-140-5778-034

Attorney
Vacant
580-140-5778-004

Senior Legal Analyst
Erika Thomas
580-140-5333-004

∞ Attorney III
Tammy Pahland
580-140-5795-015

Attorney
Monique Seguy
580-140-5778-008

Staff Serv. Analyst
Angela Ramirez
580-140-5157-706

AGPA
Laurel Prior
580-140-5393-703

∞Attorney
Evan Sznol
580-140-5778-036

AGPA

Legal Analyst
Britney Mouer-Tozier
580-140-5237-701

* Attorney
Collin Kilpatrick
580-140-5778-033

Attorney
Vacant

Senior Legal Analyst
Marta Van Loon
580-140-5333-909

Attorney
Uchenna Ahanonu
580-140-5778-021

Attorney
Melanie Neumeyer
580-140-5778-020

Senior Legal Typist
Tameka Presley
580-140-3224-001

AGPA
VACANT
580-140-5393-909

Attorney
Holly Pearson
580-140-5778-028

AGPA

AGPA

Staff Serv. Analyst
Tara Stratton
580-140-5157-709

Attorney
Vacant

AGPA
Veronica Rollins
580-140-5157-710

Attorney IV/RA
Peter Baldrige
580-140-5780-904

Office Assistant
(General)
Vacant
580-015-1441-909

Office Assistant
(General)
Vacant
580-015-1441-909

SSM I (Specialist)
VACANT
580-140-4800-002

Attorney IV RA
Tim Ford
580-140-5780-904

Office Technician
(Typing)
Vacant
580-140-1139-909

Office Technician
(Typing)
Vacant
580-140-1139-909

LEGEND

* WIC
** STAKE

∞LAB FIELD SERVICES

Current
POSITION

VACANT
POSITION

CURRENT

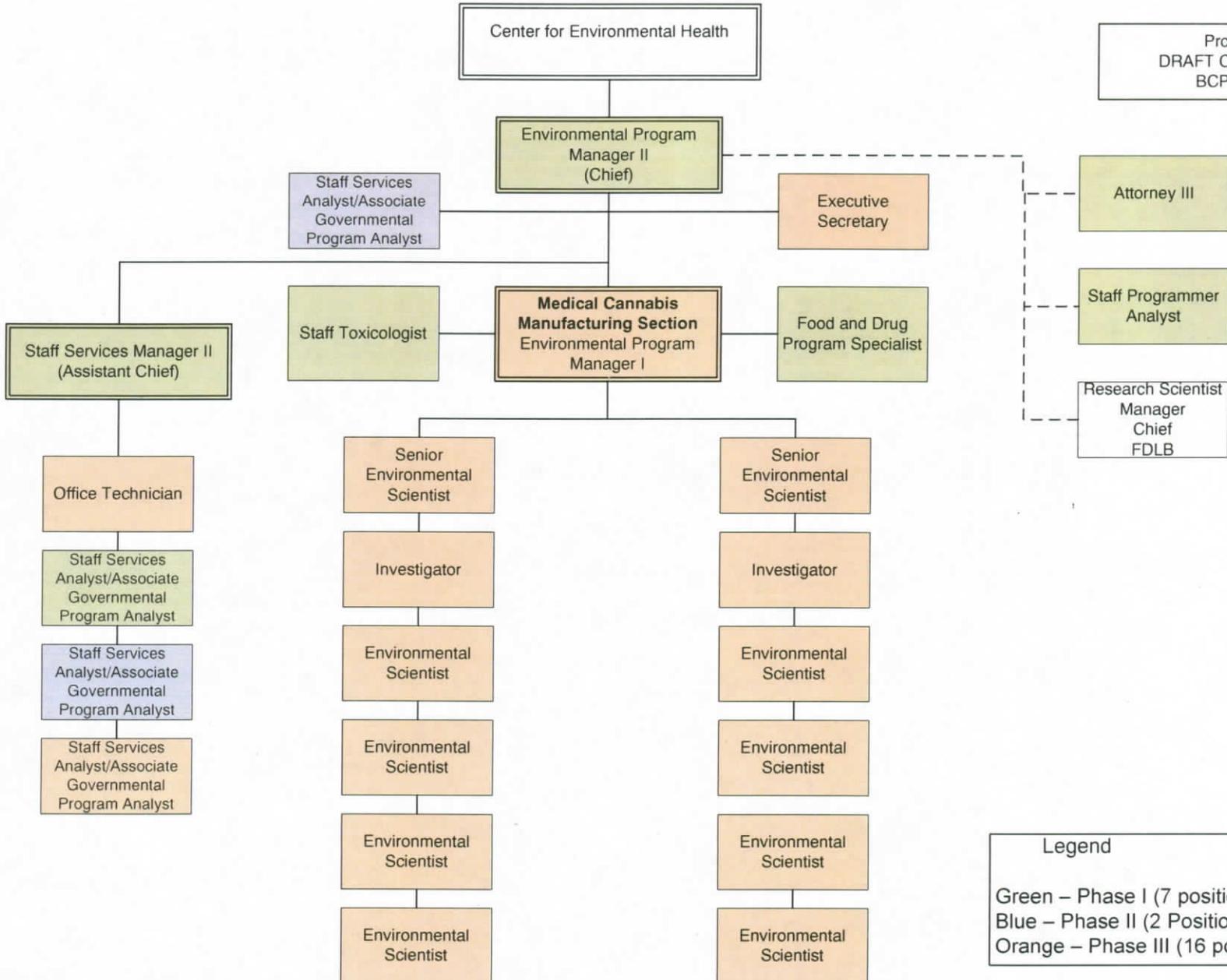
December 2015



California Department of Public Health
Center for Environmental Health
Office of Medical Cannabis



Proposed
DRAFT ORG-CHART
BCP-EH-01



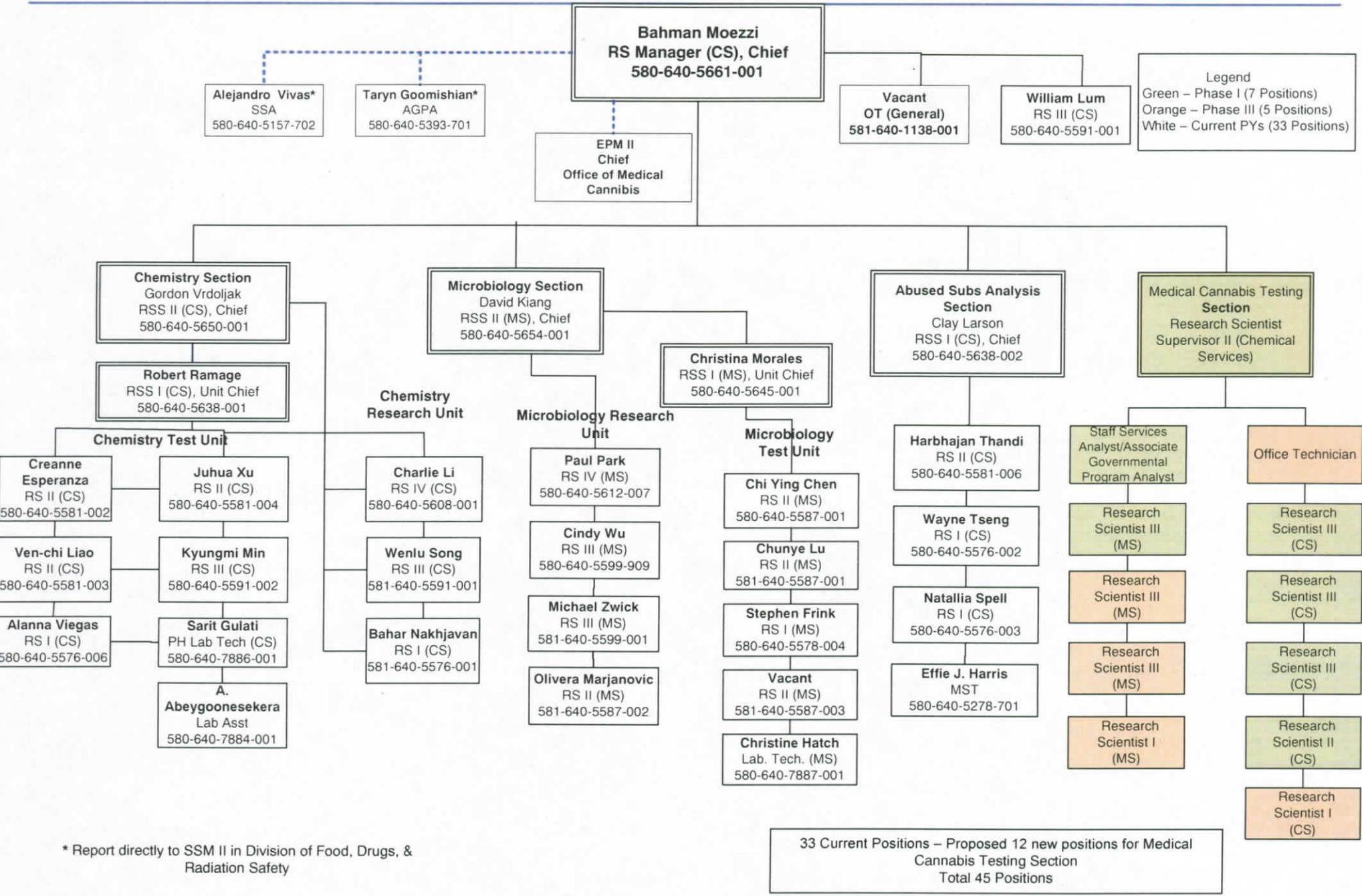
Legend
Green – Phase I (7 positions)
Blue – Phase II (2 Positions)
Orange – Phase III (16 positions)

25 Positions



**California Department of Public Health
Center for Environmental Health
Division of Food, Drug, and Radiation Safety
Food and Drug Laboratory Branch**

Draft-Proposed Org Chart
BCP-EH-XX



* Report directly to SSM II in Division of Food, Drugs, & Radiation Safety

33 Current Positions – Proposed 12 new positions for Medical Cannabis Testing Section
Total 45 Positions

BCP Fiscal Detail Sheet

BCP Title: Medical Marijuana (AB 243, AB 266, and SB 643)

DP Name: 4265-033-BCP-DP-2016-GB

Budget Request Summary

	FY16					
	CY	BY	BY+1	BY+2	BY+3	BY+4
Positions - Permanent	6.0	14.0	16.0	37.0	37.0	37.0
Total Positions	6.0	14.0	16.0	37.0	37.0	37.0
Salaries and Wages						
Earnings - Permanent	254	1,197	1,321	2,710	2,710	2,710
Total Salaries and Wages	\$254	\$1,197	\$1,321	\$2,710	\$2,710	\$2,710
Total Staff Benefits	124	585	646	1,342	1,342	1,342
Total Personal Services	\$378	\$1,782	\$1,967	\$4,052	\$4,052	\$4,052
Operating Expenses and Equipment						
5301 - General Expense	20	85	140	317	275	275
5302 - Printing	5	25	29	67	67	67
5304 - Communications	3	18	21	48	48	48
5320 - Travel: In-State	13	56	48	220	220	220
5322 - Training	1	4	5	50	14	14
5324 - Facilities Operation	36	284	305	623	623	623
5344 - Consolidated Data Centers	1	4	5	11	11	11
539X - Other	0	1,180	0	270	0	0
Total Operating Expenses and Equipment	\$79	\$1,656	\$553	\$1,606	\$1,258	\$1,258
Total Budget Request	\$457	\$3,438	\$2,520	\$5,658	\$5,310	\$5,310

Fund Summary

Fund Source - State Operations						
0001 - General Fund	0	0	0	0	0	0
3288 - Medical Marijuana Regulation and Safety Act Fund	0	3,438	2,520	5,658	5,310	5,310
0995 - Reimbursements	457	0	0	0	0	0
Total State Operations Expenditures	\$457	\$3,438	\$2,520	\$5,658	\$5,310	\$5,310
Total All Funds	\$457	\$3,438	\$2,520	\$5,658	\$5,310	\$5,310

Program Summary

Program Funding						
4045059 - Environmental Health	457	3,438	2,520	5,658	5,310	5,310
Total All Programs	\$457	\$3,438	\$2,520	\$5,658	\$5,310	\$5,310

Personal Services Details

Positions	Salary Information								
	Min	Mid	Max	CY	BY	BY+1	BY+2	BY+3	BY+4
0760 - Environmental Program Mgr I (Mgrial) (Eff. 07-01-2018)				0.0	0.0	0.0	1.0	1.0	1.0
0762 - Environmental Scientist (Eff. 07-01-2018)				0.0	0.0	0.0	8.0	8.0	8.0
0764 - Sr Envirnal Scientist (Supvry) (Eff. 07-01-2018)				0.0	0.0	0.0	2.0	2.0	2.0
0769 - Environmental Program Mgr II (Eff. 01-01-2016)				1.0	0.0	0.0	0.0	0.0	0.0
0769 - Environmental Program Mgr II (Eff. 07-01-2016)				0.0	1.0	1.0	1.0	1.0	1.0
1139 - Office Techn (Typing) (Eff. 07-01-2018)				0.0	0.0	0.0	2.0	2.0	2.0
1247 - Exec Secty I (Eff. 07-01-2018)				0.0	0.0	0.0	1.0	1.0	1.0
1581 - Staff Programmer Analyst (Spec) (Eff. 07-01-2016)				0.0	1.0	1.0	1.0	1.0	1.0
4801 - Staff Svcs Mgr II (Supvry) (Eff. 07-01-2016)				0.0	1.0	1.0	1.0	1.0	1.0
5393 - Assoc Govtl Program Analyst (Eff. 03-01-2016)				1.0	0.0	0.0	0.0	0.0	0.0
5393 - Assoc Govtl Program Analyst (Eff. 07-01-2016)				0.0	2.0	4.0	5.0	5.0	5.0
5576 - Research Scientist I (Eff. 07-01-2018)				0.0	0.0	0.0	2.0	2.0	2.0
5581 - Research Scientist II (Eff. 07-01-2016)				0.0	1.0	1.0	1.0	1.0	1.0
5591 - Research Scientist III (Eff. 07-01-2016)				0.0	4.0	4.0	6.0	6.0	6.0
5650 - Research Scientist Supvr II (Eff. 01-01-2016)				1.0	0.0	0.0	0.0	0.0	0.0
5650 - Research Scientist Supvr II (Eff. 07-01-2016)				0.0	1.0	1.0	1.0	1.0	1.0
5795 - Atty III (Eff. 01-01-2016)				1.0	0.0	0.0	0.0	0.0	0.0
5795 - Atty III (Eff. 07-01-2016)				0.0	1.0	1.0	1.0	1.0	1.0
7978 - Staff Toxicologist (Spec) (Eff. 03-01-2016)				1.0	0.0	0.0	0.0	0.0	0.0
7978 - Staff Toxicologist (Spec) (Eff. 07-01-2016)				0.0	1.0	1.0	1.0	1.0	1.0
8610 - Investigator (Eff. 07-01-2018)				0.0	0.0	0.0	2.0	2.0	2.0

9028	Food & Drug Program Spec (Eff. 03-01-2016)				1.0	0.0	0.0	0.0	0.0	0.0
9028	Food & Drug Program Spec (Eff. 07-01-2016)				0.0	1.0	1.0	1.0	1.0	1.0

Total Positions

6.0	14.0	16.0	37.0	37.0	37.0
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Salaries and Wages

CY	BY	BY+1	BY+2	BY+3	BY+4
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0760	Environmental Program Mgr I (Mgrial) (Eff. 07-01-2018)	0	0	0	127	127	127
0762	Environmental Scientist (Eff. 07-01-2018)	0	0	0	443	443	443
0764	Sr Envirnal Scientist (Supvry) (Eff. 07-01-2018)	0	0	0	214	214	214
0769	Environmental Program Mgr II (Eff. 01-01-2016)	68	0	0	0	0	0
0769	Environmental Program Mgr II (Eff. 07-01-2016)	0	137	137	137	137	137
1139	Office Techn (Typing) (Eff. 07-01-2018)	0	0	0	76	76	76
1247	Exec Secty I (Eff. 07-01-2018)	0	0	0	43	43	43
1581	Staff Programmer Analyst (Spec) (Eff. 07-01-2016)	0	74	74	74	74	74
4801	Staff Svcs Mgr II (Supvry) (Eff. 07-01-2016)	0	78	78	78	78	78
5393	Assoc Govtl Program Analyst (Eff. 03-01-2016)	21	0	0	0	0	0
5393	Assoc Govtl Program Analyst (Eff. 07-01-2016)	0	123	247	312	312	312
5576	Research Scientist I (Eff. 07-01-2018)	0	0	0	134	134	134
5581	Research Scientist II (Eff. 07-01-2016)	0	74	74	74	74	74
5591	Research Scientist III (Eff. 07-01-2016)	0	323	323	484	484	484
5650	Research Scientist Supvr II (Eff. 01-01-2016)	53	0	0	0	0	0
5650	Research Scientist Supvr II (Eff. 07-01-2016)	0	107	107	107	107	107
5795	Atty III (Eff. 01-01-2016)	55	0	0	0	0	0
5795	Atty III (Eff. 07-01-2016)	0	110	110	110	110	110
7978	Staff Toxicologist (Spec) (Eff. 03-01-2016)	30	0	0	0	0	0
7978	Staff Toxicologist (Spec) (Eff. 07-01-	0	89	89	89	89	89

8610 - Investigator (Eff. 07-01-2018)	0	0	0	126	126	126
9028 - Food & Drug Program Spec (Eff. 03-01-2016)	27	0	0	0	0	0
9028 - Food & Drug Program Spec (Eff. 07-01-2016)	0	82	82	82	82	82
Total Salaries and Wages	\$254	\$1,197	\$1,321	\$2,710	\$2,710	\$2,710
Staff Benefits						
5150900 - Staff Benefits - Other	124	585	646	1,342	1,342	1,342
Total Staff Benefits	\$124	\$585	\$646	\$1,342	\$1,342	\$1,342
Total Personal Services	\$378	\$1,782	\$1,967	\$4,052	\$4,052	\$4,052