



City of Firebaugh Proposition 64 Public Health & Safety Grant Cohort 2

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Project Need:

Over the past several years, the Firebaugh Police Department and the Firebaugh Las Deltas School District have noticed an increase in vaping of cannabis products along with cannabis related disciplinary issues. The legalization of both medicinal and recreational marijuana in California has presented an increased opportunity for youth to use cannabis, even though they are not of the legal age to use cannabis. Firebaugh youth are subject to friends' peer pressure to use cannabis due to the lack of educational outreach on the risks and dangers of using cannabis at such a young age. Locally there is a lack of education and outreach to local youth regarding the risks and dangers of using cannabis products.

A 2019/2020 survey of 241 Firebaugh High School students found that 17.8% reported using cannabis in the last 30 days. Almost one-third (30.5%) of students in the Fresno County area reported having tried cannabis products in their lifetime. Students who have never used cannabis reported that it would be very easy for them to get cannabis products from friends who are currently using cannabis. Students that have never used cannabis reported that they are very susceptible to cannabis use if their best friend asked them to use cannabis products.

Researchers report approximately a 35% increase in juvenile crimes during the summer months and during the periods that youth are out school. Throughout the warmer months, there are extended daylight hours allowing youth to stay outside longer, ultimately creating more opportunities for misconduct to occur. When youth are not in school, they are more likely to be involved in the following violations:

- Theft
- Cannabis use
- Driving under the influence
- Alcohol offenses
- Curfew violations

While no single intervention can eliminate youth crime, implementing juvenile interventions programs can help begin reversing patterns of delinquency. Youth who turn away from criminal activity are not only benefiting themselves, but they are also creating safer, more inclusive, and crime-averse community. Locally we see the increase in juvenile crime when they are not in school or involved in activities to keep them busy.

After the legalization of recreational cannabis in California, The Firebaugh Police Department saw an increase of cannabis users being busted for DUI. Adults who can legally use cannabis don't understand DUI's laws and Proposition 64 regulations relating to the use of cannabis. There is a myth among cannabis users that they are not impaired after using cannabis products. The Firebaugh Police Department wants to ensure that people don't get behind the wheel if they've ingested/consumed too much cannabis. The Firebaugh Police Department has seen an increase in driving under the influence of cannabis products.

The City of Firebaugh has an ordinance that addresses commercial cannabis operations and private residential operations for personal use. Over the last two years the Firebaugh Police Department has discovered three illegal cannabis operations inside private family homes within the city limits. The police department also discovered a large-scale illegal cannabis grow with thousands of plants a few miles outside of the city limits. Illegal cannabis operations are growing concern for the City of Firebaugh due to criminal activity, environmental impacts and uncontrolled cannabis sales in our community and other communities.

Target Groups

The Firebaugh Police Department will focus cannabis presentations and educational materials on the following groups.

1. Youth between the ages of 5 and 18 years
 - Reach out to 2000 Firebaugh Las Deltas School Students
2. Parents and school staff
 - Reach out to 400 of parents and school staff
3. Firebaugh Citizens
 - Reach out to 5000 adults during information booths

Elementary school children were selected as one of the target groups as an educational awareness group and an early intervention law enforcement focus group. Middle and High School age were selected as the target population based on data indicating that age of onset for cannabis use occurs during the middle school years and increases over the high school period. The following groups will be engaged in providing services to Middle and High School students through this grant:

- Parents
- Teacher
- School Admin
- Law Enforcement Agencies

PPA 1- Youth Outreach and Intervention

Local youth see cannabis as less harmful than alcohol, tobacco and less of a crime compared to both alcohol and tobacco after the passage of Proposition 64. The misinformation being presented to local youth is contributing to the normalization of cannabis use and a growing trend.

The Firebaugh Police Department will spend half of their grant funds focusing on PPA 1 youth outreach and intervention. Currently cannabis education within the local schools and community is very limited. The police department will be expanding current cannabis related work to improve our prevention efforts throughout the school district and the community.

The Firebaugh Police Department will conduct crime prevention and cannabis outreach to local youth through sports and other extra-curricular activities that have been observed to reduce

delinquent behaviors in youth. The grant officer will facilitate activities and sports that are not offered through the school district and focus on periods where local youth are out of school.

The grant officer will conduct in classroom educational cannabis presentations to students in middle and high school. The presentations and number of students present will be documented on BSCC Grant Stats form. Presentation information covers the following topics:

- Proposition 64 and related laws
- Dangers of cannabis use by youth
- Driving under the influence of cannabis
- Peer pressure and effective ways to say no
- Information on mental & addiction resources

Presentations will be given three times per year at the Firebaugh High School and Firebaugh Middle School. Each presentation will be offered in twelve classrooms at each site for a total of thirty-six student presentations per year. Each presentation will be fifteen minutes long and relevant training materials will be handed out to students. Training materials such as flyers, pamphlets, brochures, and/or web links will ensure that students have access to information when they need it after the presentations have been concluded. Firebaugh Police Department anticipates serving up to 1000 students through these presentations.

The grant officer will reach 300 to 500 local youth through sports programs and cannabis information/awareness activities. All activities and participants will be documented through the PAL application form and survey. Grant officer will keep detailed stats on the participants and documented on the BSCC grant stats form. The PAL (Police Activities League) form collects the following information:

- Name, Address, and Age
- Parents names and phone numbers
- School and grade
- Will parent and student participate in survey?

**PPA 1: Firebaugh Prop 64 PH & S Cohort 2 Grant Goals and objectives
Conducted by the Firebaugh Police Department grant officer**

Goals	Objectives
<p>1.Reduce cannabis use by local youth by encouraging them to make healthy lifestyle choices through outreach, presentations, and educational materials. Materials to be developed include informational flyers, brochures, and online materials accessible by cellphone. Materials will have information regarding cannabis dangers.</p>	<p>1.By the end of 2022, 75% of the youth engaged by this grant will understand the risks and dangers of using cannabis measured by a student survey. The survey will be developed (or already has been developed) by the Firebaugh Police Department with consultation and input from the Firebaugh-Las Deltas School District. The Survey includes pre- and post-assessment to measure</p>

<p>2.Reduce youth involvement in crimes and cannabis use by providing youth non-school related activities such as sports, camping and other field trips, and build on law enforcement trust through direct police officers involvement with local youth</p>	<p>the effectiveness of presentations and grant activities.</p> <p>1. By the end of 2023, reduce the reported used of cannabis from 17.8 (2019/20 baseline data) to 7.8% of students reporting using cannabis in the last 30 days in a new, similar survey to be conducted at end of 2023 after this project’s activities have been implemented.</p> <p>1. By the end of 2023, reduce youth arrests or citation involving cannabis by 50% measured by local police department stats.</p> <p>2.By the end of 2022, reduce juvenile crime by 30% measured by local police stats compared to crime in 2019/2020</p> <p>2.By the end of 2023, reduce juvenile crime by 50% measured by local police stats compared to crime in 2021/2022</p>
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PPA 2- Public Health

The notion that cannabis is not harmful which is strongly promoted by the expanding cannabis industry has taken root among the young and adults who are vaping nicotine and cannabis in record numbers. Even though use of cannabis among non-adults is illegal, a study by the National Institute on Drug Abuse found that 21% of 12th graders had vaped cannabis in the past year, as had 19% of 10th graders and 7% of 8th graders.

Cannabis Products are the most used illegal substance in the U.S. and its use is growing. Cannabis use among all adult age groups, both sexes, and pregnant women is going up. At the same time, the perception of how harmful cannabis use can be is declining. Increasingly, young people and adults consider cannabis use normal, but there are real risks for people who use cannabis, especially youth and young adults. Today’s Cannabis is stronger than ever before, and people do become addicted to marijuana.

- **Brain health:** cannabis can cause permanent IQ loss of as much as 8 points when people start using it at a young age. These IQ points do not come back, even after quitting cannabis.
- **Mental health:** Studies link cannabis use to depression, anxiety, suicide planning, and psychotic episodes. It is not known, however, if cannabis use is the cause of these conditions.
- **Athletic Performance:** Research shows that cannabis affects timing, movement, and coordination, which can harm athletic performance.

- **Driving:** People who drive under the influence of cannabis can experience dangerous effects: slower reactions, lane weaving, decreased coordination, and difficulty reacting to signals and sounds on the road.
- **Baby's health and development:** cannabis use during pregnancy may cause fetal growth restriction, premature birth, stillbirth, and problems with brain development, resulting in hyperactivity and poor cognitive function. Tetrahydrocannabinol (THC) and other chemicals from cannabis can also be passed from a mother to her baby through breast milk, further impacting a child's healthy development.
- **Daily life:** Using Cannabis can affect performance and how well people do in life. Research shows that people who use marijuana are more likely to have relationship problems, worse educational outcomes, lower career achievement, and reduced life satisfaction.

The Firebaugh Police Department Officer will set up cannabis informational booths at local community events, tenant apartment meetings, school events and conduct informational presentations. The Firebaugh Police Department anticipates 20 presentations to occur annually: 4 presentations at community events, 10 presentations at tenant apartment buildings, 6 presentations at school events, and 4 other community events as needed. The information provided at these presentations will be the same as that provided to the youth in the prior section. Information will be in both print and digital format to ensure that residents and students can access the information they need quickly and conveniently after their interaction with the Firebaugh Police Department. The grant officer will document the number of informational booths and educational presentations on the BSCC Grants Stats form. The grant officer will also attempt to collect signatures of all residents in each location who approach the booth and receive materials. The data collected will be used to estimate the total impact of this outreach, though the Firebaugh Police Department understands this estimate will be conservative as a number of residents will likely not want to provide their signature but will take the provided information. The Firebaugh Police Department also anticipates that some of the residents served at these outreach events will be youth who also encountered this information on their school campuses. During the school events, a component of the pre-survey will ask students if they've received this information elsewhere and will determine whether or not a student received it at school. If the participant replies "yes" and note they received the information at school, that number will not be included twice in the overall headcount. However, educational materials will be given to those students again as the Firebaugh Police Department believes extra or duplicate information will help a student's decision to stay away from cannabis. Repeated information will help solidify concepts in a young person's mind, according to studies on the effects of memorable strategies to enhance the learning of young people. The more student-aged residents who interact with the Firebaugh Police Department and receive information, the higher the likelihood is the information will stay with them.

**PPA 2: Firebaugh Prop 64 PH & S Cohort 2 Grant Goals and objectives
 Conducted by the Firebaugh Police Department grant officer**

Goals	Objectives
1.increased awareness on the dangers and risks of cannabis use through presentations and informational booths at different community events and school events 2.increased awareness on DUI laws and Prop64 regulations relating to legal use of cannabis through presentations and informational booths at community events	1.By the end of grant youth will understand the dangers of using cannabis so they can make a choice weather to use or not use cannabis products. Measurement of youth will be conducted via the school deployed pre- and post-surveys. 2.Lower the amount of people being arrested for DUI involving cannabis measure by stats. By the end of 2023, 50% less cannabis DUI arrests compared to the baseline 2020 year. 2. By end of 2023 adults will have better understanding of DUI laws relating to cannabis as measured by the 50% decrease in cannabis DUI arrests of Objective 2.

PPA 3- Public Safety

Over the past several years the Firebaugh Police Department has located several non-regulated cannabis cultivation operations and honey oil abstraction operations within the city limits. This cannabis operations were inside family homes, in the middle of city neighborhoods where no one would ever suspect a cannabis operation would exist.

This unpermitted cannabis operations have dangerous electrical, structural, and dangerous chemicals present. Nonregulated cannabis operations commonly have major fire hazards due to illegal electrical connections or the use of large generators. Unpermitted cannabis operations commonly have environmental issues relating to the use of fertilizers, pesticides, illegal water connections, water diversion, non-biodegradable waste, and the threat of fires. Unpermitted operations commonly have video surveillance, guard dogs and sometime armed security personnel.

The grant officer will be responsible for surveillance, search warrants and investigating reports of illegal cannabis operations. Unpermitted cannabis operations found will be documented on BSCC Grants Stats form. Data collected and reported will include the number of houses/operations surveilled, number of public tips investigated, number of search warrants served, number of operations seized, types of grow and extraction equipment used, and potential street value in US dollars of operations shut down.

The city recently purchased and started an aerial drone program. The drones within the scopes of state and federal law will be used to conduct surveillance on unpermitted cannabis sites. The drones will be used to address inaccessible areas along the San Juaquin River looking for illegal

cannabis grows. Drone flights related to cannabis will be documented on BSCC Grant Stats form. Data to be collected include number of tips received, total hours of drone flight/operation, number of areas surveilled, number of operations seized and total potential street value in US dollars of operations shut down.

The City of Firebaugh will have two authorized commercial cannabis operations. This operation will be regulated through state and local municipal code rules and regulations. Although these types of operations are legal, they will require monitoring and frequent inspections to make sure they are following all required regulations. The grant officer will conduct at least two monthly inspections of each commercial cannabis operations (4 inspections per month total). The inspections will be documented on BSCC Grants Stats sheet created to keep record of all grant activities. Data collected from inspections will be collected on a computerized database currently operated by Firebaugh Police Department. Data from that database will be used to report to the BSCC on a regular basis.

**PPA 3: Prop 64 PH & S Cohort 2 Grant Goals and objectives
Conducted by the Firebaugh Police Department Officers**

Goals	Objectives
1. Reduce impacts of unpermitted cannabis grows along the San Juaquin River within the city limits. 2.Reduce impacts of unpermitted residential cultivation and oil abstraction operations	1.Increase identification of unpermitted cannabis grows using drone imagery along the river and wooded areas of the city as compared to 2020 baseline data. 2.Increase identification of residential grows who have not obtained proper city permits 2.Conduct site inspections (2 per month), deliver permitting requirements

Evaluation and Reporting

The Firebaugh Police Department will comply with BSCC reporting requirements and meet its own internal evaluation process as follows

The Firebaugh Police Department on a quarterly basis will meet and evaluate the progress of the project funded by the BSCC grant. The police chief will form a committee to include the Grant Officer assigned to the project, Chief of Police, School District Head of Security, High School Counselor, City Mayor and two community members. Diversity of the committee from various organizations will ensure transparent evaluation and reduce confirmation bias. The committee will evaluate the project using the following questions at each meeting and track progress of completion metrics:

Associated Goal	Evaluation Questions	Source	Output
<p>1.1 Reduce cannabis use by local youth by encouraging them to make healthy lifestyle choices through outreach, presentations, and educational materials. Materials to be developed include informational flyers, brochures, and online materials accessible by cellphone.</p>	<p>Were adequate materials developed?</p> <p>Were the materials effective?</p> <p>At end of 2022, did 75% of youth understand risks and dangers of cannabis?</p> <p>At end of 2023, was youth use of cannabis dropped by at least 10% ?</p>	<p>FPD</p> <p>Committee assessment</p> <p>Survey data</p> <p>Survey data</p>	<p>BSCC quarterly report</p> <p>Monthly progress check-ins</p> <p>On-going internal project improvement</p>
<p>1.2 Reduce youth involvement in crimes and cannabis use by providing youth non-school related activities such as sports, camping and other field trips, and build on law enforcement trust through direct police officers involvement with local youth</p>	<p>At end of 2023, were youth arrests or citations involving cannabis reduced by at least 50%?</p> <p>At end of 2022, was juvenile crime reduced by at least 30% compared to 2020 baseline data?</p> <p>At end of 2023, was juvenile crime reduced by at least 50% compared to 2020 baseline data?</p>	<p>FPD statistics</p> <p>FPD statistics</p> <p>FPD statistics</p>	<p>BSCC quarterly report</p> <p>Monthly progress check-ins</p> <p>On-going internal project improvement</p>
<p>2.1 increased awareness on the dangers and risks of cannabis use through presentations and informational booths at different community events and school events</p>	<p>At end of 2023, did youth report an increase of at least 50% in understanding the dangers of using cannabis in post-assessment data over pre-assessment baseline data?</p>	<p>Survey data</p>	<p>BSCC quarterly report</p> <p>Monthly progress check-ins</p> <p>On-going internal project improvement</p>
<p>2.2 increased awareness on DUI laws and Prop64 regulations relating to legal use of cannabis through presentations and informational booths at community events</p>	<p>At end of 2023, were DUI arrests of juveniles involving cannabis reduced by at least 50% from baseline year 2020?</p> <p>At end of 2023, were DUI arrests of adults involving</p>	<p>FPD statistics</p> <p>FPD statistics</p>	<p>BSCC quarterly report</p> <p>Monthly progress check-ins</p>

	cannabis reduced by at least 50% from baseline year 2020?		On-going internal project improvement
3.1 Reduce impacts of unpermitted cannabis grows along the San Juaquin River within the city limits.	<p>Was identification of unpermitted cannabis grows using drone imagery along the river and wooded areas of the city reduced by at least 50% as compared to 2020 baseline data?</p> <p>Was increased drone surveillance effective in reducing cannabis related crime?</p>	<p>FPD statistics</p> <p>FPD statistics; Committee assessment</p>	<p>BSCC quarterly report</p> <p>Monthly progress check-ins</p> <p>On-going internal project improvement</p>
3.2 Reduce impacts of unpermitted residential cultivation and oil abstraction operations	<p>Was identification of residential grows without city permits reduced by at least 50% as compared to 2020 baseline data?</p> <p>Were site visits conducted at Firebaugh’s two authorized commercial cannabis operations twice per month?</p> <p>Were site visits effective in reducing criminal activity?</p>	<p>FPD statistics</p> <p>FPD</p> <p>FPD statistics; Committee assessment</p>	<p>BSCC quarterly report</p> <p>Monthly progress check-ins</p> <p>On-going internal project improvement</p>
Implementation and Effectiveness	<p>Were project activities put into place?</p> <p>Is the project on track to meet its measurable objectives?</p> <p>Were all activities completed and objectives met?</p> <p>Is committee membership and meeting schedule</p>	<p>Committee assessment</p> <p>Committee assessment</p> <p>Committee assessment</p> <p>Committee assessment</p>	<p>BSCC quarterly report</p> <p>Monthly progress check-ins</p> <p>On-going internal project improvement</p>

	adequate to evaluate project?		
	Is use of budget and staff appropriate for project?	Committee assessment	

Meeting quarterly, the Evaluation Committee provides formative assessment on progress attained for objective completion and performs meta-analysis on the project and committee itself. The Evaluation Committee will make recommendations for programmatic changes, which will be considered and, if appropriate, implemented by the Firebaugh Chief of Police.

Evaluation of PPA Goals and Objectives:

The Firebaugh Police Department will measure PPA through a correlational research design using student pre- and post-assessment survey data, sign-in sheets (used at community events where participation is not mandatory) police department stats, and cannabis education records and participant sign in sheets. This formative assessment will guide programmatic changes throughout the project period. Data will be added into the BSCC Grant Stats form for final, summative evaluation at the end of the grant period. The mixed methods of quantitative and qualitative data will be used to assess change in cannabis perceptions among local youth. The objective of PPA 1 is to increase knowledge of cannabis dangers among local youth, reduce crime, and lower the cannabis use rate among local youth by at least ten percent. The evaluation of PPA 1 relies on quantitative data that will ultimately show if we have met our goals and objectives. Qualitative data will be sourced from pre- and post-survey data collected from students and will focus on student’s perceived effectiveness of the program. For example, one assessment question will be “do you think that school presentations like this help youth make more informed decisions on cannabis use?” The survey will also include open-ended questions intended to collect qualitative data on how best the Firebaugh Police Department could conduct outreach to youth, what activities youth would like to see implemented, and how often they would like to be contacted. The Evaluation Committee will review both qualitative and quantitative data as part of its formative approach to program improvement.

The Firebaugh Police Department will measure the objective of PPA 2 through a mixed-methods approach that will include participant sign-in sheets and number of informational booths, presentations, and improved outreach regarding the safety of cannabis and its legal uses as captured by sign-in data over the duration of the project. These tools will allow the Department to make a reasonable assumption that the general public has been offered education tools and information that will allow them to make a well-informed decision on whether or not they still choose to use cannabis projects. In addition, the Department will utilize DUI statistics and records that will provide quantifiable data on whether or not these outreach efforts have actually had an impact in reducing these DUI stats, which of course is the ultimate goal of this program. This PPA will utilize qualitative data; no pre-and post-assessments will be utilized for this PPA; therefore, not qualitative data is anticipated.

The final objective relates to PPA 3 improved identification of unlicensed cannabis operations and improved inspections of licensed cannabis operations through a mixed-methods approach

that will include. This PPA will be reliant on increasing the number of searches to determine unpermitted grows in rural areas as well as residential neighborhoods. As the number of these “grows” are unknown at this time, it is difficult to obtain quantifiable data that can be help determine if the objective of this PPA is being met. The Department will focus on evaluating PPA 3 by reporting on how many inspections were conducted, how many grows were identified each year and if that number is reduced by the end of the grant performance period. This PPA will utilize qualitative data; no pre-and post-assessments will be utilized for this PPA; therefore, not qualitative data is anticipated.

All qualitative and quantitative data will be assessed by the Evaluation Committee on a regular basis. At quarterly meetings, the committee will review up-to-date quantitative data as they relate to the project’s objectives and discuss progress on objective completion. The committee will also review qualitative data as results from pre- and post-assessments and open-ended questions. This data will be used to guide programmatic changes that will improve the project’s ability to meet its objectives. These items are described in the evaluation table above.

Participant success is defined through two measures: pre- and post-assessments (qualitative and quantitative data) of youth and resulting qualitative data sourced from Firebaugh Police Department statistics of anticipated crime reduction. Using baseline data from 2020, when no interventions or treatments were in place to combat illegal cannabis usage and educate on legal cannabis usage, any improvements in data over the baseline (by 2022 and 2023) will be considered as a direct result of the BSCC grant.

LOGIC MODEL ON NEXT PAGE

Logic Model					
Inputs	Outputs		Outcomes		
	Activities	Participation	Short-term	Medium-term	Long-term
STAFF <ul style="list-style-type: none"> • Chief • FPD Staff • Grant Officer PARTNERS <ul style="list-style-type: none"> • K-12 School • City of Firebaugh • Community Members FUNDING <ul style="list-style-type: none"> • State FACILITIES <ul style="list-style-type: none"> • K-12 classrooms • Public events • Police Station • Civic areas 	Educate youth on K-12 school campuses	FPD, K-12, Grant Officer	Increased knowledge about cannabis and healthy lifestyles	50% less cannabis DUI arrests by 2023	Reduced addiction rates
	Engage adults and youth at public venues	FPD, Grant Officer, City of Firebaugh	Increased knowledge about Prop 64	75% of youth understand risks of using cannabis	Reduced crime rates
	Increase drone operations	FPD	Improved perception of FPD among youth and residents	Reduction of reported youth use of cannabis by 10%	
	Identify illegal grow operations along San Juaquin River and other outdoor areas	FPD, Grant Officer	Increased relationships with local authorized commercial cannabis operations	Reduced juvenile crime by 30% (2022)	
	Identify illegal grow operations in residential neighborhoods	FPD, Grant Officer		Reduced juvenile crime by 50% (2023)	
Evaluate Project	FPD, K-12, Chief, City of Firebaugh, Community Members				
Assumptions: Youth are going to experiment with cannabis as peer pressure remains high, although cannabis has been legalized across the state. Youth are unaware of what the actual legality of cannabis is and might believe they are not committing a crime when they actually are. Illegal grow sites will continue to operate; an increased police presence will slow their ability to produce.					
External Factors: Law changes may affect how FPD deals with the challenge of youth cannabis and grow site deterrents. New technologies may replace vaping that will require additional resources and training.					