Prescribed Burn Program Grants

Board of Directors
Santa Barbara County
Air Pollution Control District

Our Mission: To protect the people and the environment of Santa Barbara County from the effects of air pollution.

Aeron Arlin Genet
Director / APCO

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VAFB Prescribed Burn
2017
Presentation Overview

- Prescribed Burns
- District Prescribed Burn Program
- California Senate Bill 1260
- CARB Prescribed Burn Grant Programs:
  - Reporting & Monitoring Support
  - Air Monitoring Equipment Cache Storage
- Air Monitoring Equipment for Prescribed Burns
- District Air Monitoring Equipment Storage
- Recommendation

Righetti Ranch Prescribed Burn 2018
Prescribed Burns

- Planned vegetation fires to achieve specific objectives
- Administered by federal, state, local, or private land managers
- Reduce risk, severity, and impacts of wildfires
- Smoke can be minimized, monitored, and managed
- Air quality and health impacts are greatly reduced compared to wildfires
District Prescribed Burn Program

• Rule 401 Agricultural & Prescribed Burning
• PFIRs for Smoke Management Plan submittal, review, and approval
• Public Outreach (joint with Land Manager):
  1. News Release: Burn window & details
  2. Media Advisory: Burn day
  3. Social media, including Nextdoor
• E-BAMs for prescribed burns with potential impacts, displayed on web
• Report data annually to CARB
California Senate Bill 1260

• Enacted September 2018
• Prescribed burns for fire prevention, public health, and public safety
• Develop and fund enhanced prescribed burn programs throughout California
• Air District Role:
  • Enhanced air quality and smoke monitoring
  • Public awareness campaign

Burton Mesa Prescribed Burn 2019
CARB Prescribed Burn Grant Programs

1. Reporting and Monitoring Support
   $25,000 grant to implement enhanced smoke management programs

2. Air Monitoring Equipment Cache Storage
   $30,000 grant to create and maintain storage caches for air monitoring equipment
   used to measure emissions from prescribed fires
   • Part of the California Climate Investments Program
   • Also, cost reimbursement funding available through CAPCOA for:
     • Staff costs to deploy portable air monitoring equipment
     • Training for District staff
CARB Prescribed Burn Grant: Reporting & Monitoring Support

• Program Elements:
  • Smoke Management Plans
  • PFIRS for all prescribed burns
  • Public outreach
  • Air monitoring
  • Quarterly reporting to CARB
  • Final report at end of grant period
  • Smoke management program training

PFIRs Website
CARB Prescribed Burn Grant:
Air Monitoring Equipment Cache Storage

• Program Elements:
  • Store and maintain CARB-supplied air monitoring equipment
  • Facilitate access to the equipment
  • Track equipment status in database
  • Notify CARB when equipment/supplies are damaged or depleted
  • Final report at end of grant period
  • Training on Equipment Cache use and procedures
Air Monitoring Equipment for Prescribed Burns

- Environmental Beta Attenuation Monitor (E-BAM)
- Measure PM10 or PM2.5
- Accurate, portable, rapid deployment
- Real-time data reporting
  - Includes meteorological data
- Readings displayed on web

E-BAM
District Air Monitoring Equipment Storage

- Existing lab and storage space for District-owned equipment
  - Includes E-BAM portable monitor
- Successfully store and loan-out state-supplied E-BAMs for wildfires
- Sufficient storage space for additional equipment
- Knowledgeable and experienced air monitoring staff
Recommendation

• Adopt resolutions authorizing District’s participation in CARB Prescribed Burn Grant Programs

• Approve, ratify, and authorize the APCO to enter into CARB Grant Agreements
  1. Prescribed Burn Reporting and Monitoring Support Program - $25,000 grant
  2. Prescribed Burn Air Monitoring Equipment Cache Storage Program - $30,000 grant
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