



TAMI RITTER, CHAIR
Supervisor, District #3

ADDISON WINSLOW, VICE CHAIR
Councilmember, Chico

BILL CONNELLY
Supervisor, District #1

PETER DURFEE
Supervisor, District #2

TOD KIMMELSHUE
Supervisor, District #4

DOUG TEETER
Supervisor, District #5

CHUCK NUCHOLS
Vice Mayor, Biggs

ANGEL CALDERON
Councilmember, Gridley

ERIC SMITH
Vice Mayor, Oroville

ROSE TRYON
Councilmember, Paradise

STEPHEN ERTL
Air Pollution Control Officer

PATRICK LUCEY
Assistant Air Pollution Control Officer

REGULAR MEETING NOTICE OF THE BUTTE COUNTY AIR QUALITY MANAGEMENT DISTRICT GOVERNING BOARD August 22, 2024 - 10:00 a.m.

Meeting Location:

Butte County Association of Governments Board Room
326 Huss Drive, Suite 100, Chico, California

Members of the public are encouraged to attend the meeting in real time using the Zoom information listed below. Please note: To join the video conference, you will need a webcam and computer audio (speakers and microphone). If you do not have either, you may dial 1-669-900-9128 to join by audio only.

<https://us02web.zoom.us/j/87111751705?pwd=em1GWGk2cVJZTExqYmwraGw2T1pqdz09>

Zoom Meeting ID: 871 1175 1705 Passcode: 298155

The Governing Board is committed to making its proceedings accessible to all citizens. Individuals with special needs should call the Clerk of the Board at (530) 332-9400, Monday through Friday, 7:30 a.m. to 4:30 p.m. to request disability-related modifications, accommodations or to request materials in alternate formats. All requests for special accommodations and/or alternative format documents must be made 48 hours prior to the meeting. Every reasonable attempt will be made to provide such accommodations.

1. **Call to Order and Roll Call.** *Chair*
Consider approval of Directors request to participate remotely and utilize Just Cause or Emergency Circumstance per AB 2449.
2. **Additions and Deletions to the Consent Agenda.** *Chair*

CONSENT AGENDA

- 3.1 Minutes of the June 27, 2024 Meeting of the Board of Directors. *Kelly Towne*
- 3.2 Activity Report on Butte County Air Quality Management District Activities. *Stephen Ertle*
- 3.3 Financial Status Report Fiscal Year 2024-2025. *Aleah Ing*
- 3.4 Calendar of Events. *Stephen Ertle*
- 3.5 Status Report on Communications. *Kelly Towne*

REGULAR AGENDA

ITEMS FOR ACTION

- | | |
|--|---------------------|
| 4. Items removed from the consent agenda for Board consideration and action - <i>if any.</i> | <i>Chair</i> |
| 5. CAP Incentives Grant Approval. | <i>Jason Mandly</i> |
| 6. CAP Support Grant Awards. | <i>Jason Mandly</i> |

ITEMS FOR INFORMATION

- | | |
|---|----------------------|
| 7. Grant Program Summary Update. | <i>Jason Mandly</i> |
| 8. Proposed Rule 500 Cost Recovery Status Report. | <i>Stephen Ertle</i> |
| 9. Other Business. | <i>Chair</i> |
| 10. Public Comment Period. Any person may address the Board of Directors on any matter within the jurisdiction of the Board that is not on the agenda for this meeting. Any person may address the Board on an agenda item when that time is called. The chair requests that each person addressing the Board limits their presentation to five (5) minutes. | <i>Chair</i> |
| 11. Adjourn to Closed Session. | <i>Chair</i> |
| Conference with Labor Negotiators/Potential Litigation/APCO Performance Evaluation. | |
| 12. Report from Closed Session. | <i>Chair</i> |

ADJOURNMENT

- | | |
|--|--------------|
| 13. The next Board of Directors Meeting is scheduled for September 26, 2024, at 10:00 a.m. at the Butte County Association of Governments Board Room, 326 Huss Drive, Suite 100, Chico, California. | <i>Chair</i> |
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Questions, comments, and correspondence may be directed to:

Kelly Towne, Clerk of the Board

629 Entler Avenue, Suite 15

Chico, CA 95928

ktowne@bcaqmd.org or 530-332-9400 ext. 109





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Draft Minutes of the Butte County Air Quality Management District Governing Board of Directors Meeting of June 27, 2024

Members Present:

Tami Ritter	Supervisor, District 3
Bill Connelly	Supervisor, District 1
Tod Kimmelshue	Supervisor, District 4
Eric Smith	Vice Mayor, City of Oroville
Addison Winslow	Councilmember, Chico
Ron Lassonde	Mayor, Town of Paradise (alternate)

Members Absent:

Peter Durfee	Supervisor, District 2
Doug Teeter	Supervisor, District 5
Angel Calderon	Councilmember, Gridley
Chuck Nuchols	Vice Mayor, Biggs
Rose Tryon	Councilmember, Town of Paradise

Staff Present:

Stephen Ertle	Air Pollution Control Officer (APCO)
Kelly Towne	Clerk of the Board
Aleah Ing	Administrative Services Officer (ASO)

Remote Staff:

Jason Mandly	Senior Air Quality Planner
David Campbell	Air Quality Compliance Specialist II
Samuel Nassie	Air Quality Compliance Specialist II
Laurie LaGrone	Administrative Technician

Others Present:

Seth Tate

1. Call to Order and Roll Call.

Chair Ritter called the meeting to order at 10:02 a.m. at the BCAG Board Room, 326 Huss Drive, Suite 100, Chico, California.

2. Additions and Deletions to the Consent or Regular Agenda.

629 Entler Avenue, Suite 15 ♦ Chico, CA 95928

Agenda Item 3.1

No additions or deletions.

3. Consent Agenda.

- 3.1 Minutes of the May 23, 2024 Meeting of the Board of Directors.
- 3.2 Activity Report on Butte County Air Quality Management District Activities.
- 3.3 Financial Status Report Fiscal Year 2023-2024.
- 3.4 Status Report on Calendar of Events.
- 3.5 Status Report on Communications.

ACTION REQUESTED: Approve Consent Agenda Items.

Board comments: None.

Public comments: None.

A motion was made by Supervisor Kimmelshue and seconded by Mayor Lassonde to approve the Consent Agenda Items.

Motion carries by the following vote:

AYES: Supervisor Ritter, Supervisor Connelly, Supervisor Kimmelshue (motion), Councilmember Winslow, Vice Mayor Smith and Mayor Lassonde (second).

NOES: None.

ABSTAIN: None.

ABSENT: Supervisor Durfee, Supervisor Teeter, Vice Mayor Nuchols, Councilmember Calderon, and Councilmember Tryon.

ITEMS FOR ACTION

4. Items removed from the Consent Agenda for Board consideration and actions.

No items removed from the Consent Agenda.

5. Public Hearing for Adoption of Proposed Fiscal Year 2024-2025 Budget.

ACTION REQUESTED:

- 1. Following a Public Hearing on the Fiscal Year 2024-2025 Budget, accept comments and,
- 2. Amend the Fiscal Year 2023-2024 Budget to the Final Projected Budget and,
- 3. Add additional Revenue account to separate Technical Evaluation Fees from Misc Income,
- 4. Adopt implementing Resolution 2024-06 Adopting the Final Fiscal Year 2024-2025 Budget and,
- 5. Adopt implementing Resolution 2024-07 Authorizing Contracted Legal Services.

The Proposed Fiscal Year 2024-2025 Budget report was presented by Aleah Ing, Administrative Services Officer.

Board Discussion: None.

Public comments: None.

Public Hearing Closed: 10:05 a.m.

A motion was made by Supervisor Kimmelshue and seconded by Vice Mayor Smith to approve the Fiscal Year 2024-2025 Budget, Resolution 2024-06 and Resolution 2024-07.

Motion carries by the following vote:

AYES: Supervisor Ritter, Supervisor Connelly, Supervisor Kimmelshue (motion), Councilmember Winslow, Vice Mayor Smith (second) and Mayor Lassonde.

NOES: None.

ABSTAIN: None.

ABSENT: Supervisor Durfee, Supervisor Teeter, Vice Mayor Nuchols, Councilmember Calderon, and Councilmember Tryon.

6. Permit to Operate Program Cost Recovery Analysis & Request for Fee Increase Direction.

ACTION REQUESTED: Review cost recovery deficit and provide direction for fee rule amendments.

The Permit to Operate Program Cost Recovery Analysis & Request for Fee Increase Direction report was presented by Stephen Ertle, Air Pollution Control Officer.

Board discussion: Board discussion ensued.

Public comments: None.

A motion was made by Supervisor Connelly and seconded by Supervisor Kimmelshue to select option #4 for direction for fee rule amendments which adds a phased in variable cost recovery fee based on existing permit renewal fee hourly factor beginning in 2025 and thereafter.

Permit Renewal Hourly Factor	Cost Recovery X in 2025	Cost Recovery X in 2026	Cost Recovery X in 2027
0-4	1.5	2	2
5-9	2.5	3.5	4
10-19	3.5	5	6
20 or above	5.5	8	10

Motion carries by the following vote:

AYES: Supervisor Ritter, Supervisor Connelly (motion), Supervisor Kimmelshue (second), Councilmember Winslow, Vice Mayor Smith and Mayor Lassonde.

NOES: None.

ABSTAIN: None.

ABSENT: Supervisor Durfee, Supervisor Teeter, Vice Mayor Nuchols, Councilmember Calderon, and Councilmember Tryon.

7. Community Air Protection (CAP) Policies and Procedures Update.

ACTION REQUESTED: Approve Resolution 2024-08 approving updates to the District's CAP Incentives Policies and Procedure Manual.

The Community Air Protection (CAP) Policies and Procedures Update was presented by Jason Mandly, Senior Air Quality Planner.

Board discussion: Board Discussion ensued.

Public comments: None.

A motion was made by Supervisor Connelly and seconded by Councilmember Winslow to Approve Resolution #2024-08 approving updates to the District's CAP Incentives Policies and Procedure Manual.

Motion carries by the following vote:

AYES: Supervisor Ritter, Supervisor Connelly (motion), Supervisor Kimmelshue, Councilmember Winslow (second), Vice Mayor Smith and Mayor Lassonde.

NOES: None.

ABSTAIN: None.

ABSENT: Supervisor Durfee, Supervisor Teeter, Vice Mayor Nuchols, Councilmember Calderon, and Councilmember Tryon.

ITEMS FOR INFORMATION

8. APCO Report.

ACTION REQUESTED: None. This item is provided for information and discussion.

See Addendum to the minutes for the report.

Board Discussion: Board Discussion ensued.

Public Comment: None.

9. Other Business.

None.

10. Public Comment Period. Any person may address the Board of Directors on any matter within the jurisdiction of the Board that is not on the agenda for this meeting. Any person may address the Board on an agenda item when that time is called. The Chair requests that each person addressing the Board limits their presentation to five (5) minutes.

11. Adjourn to Closed Session. The meeting went to closed session at 10:57 a.m.

12. Report From Closed Session.

- APCO given direction from the Governing Board for labor negotiations.

13. The meeting adjourned at 11:10 a.m. The next Board of Directors Meeting is scheduled for June 27, 2024 at 10:00 a.m. at the Butte County Association of Governments Board Room, 326 Huss Drive, Suite 100, Chico, California.

Stephen Ertle, Air Pollution Control Officer
Butte County Air Quality Management District

I hereby attest that this is a true and correct copy of the action taken by the Butte County Air Quality Management District Board of Directors on June 27, 2024.

ATTEST: _____
Kelly Towne, Clerk of the Governing Board

Attachment 1 APCO Report

Federal

- EPA Changes last August removed the allowance of Emergency Provisions in Title V Permits go into effect August 21st. This will require a rule change (Rule 1101-Title V Federal Operating Permits) to remove those provisions. Staff are filing an extension request of one year to allow time to conduct the Rule revisions.
- Last week Staff met with CARB regarding new PM2.5 standard. We are at 8.9 micrograms (standard is 9). 2024 measurements will be critical.

State

- Final Budget in Print 6/22-FARMER not funded. Expect Governor's signature today or tomorrow.
- The RX Fire Grant was increased to 3million/year. Our annual award will increase slightly.
- Initiative 1935 Taxpayer Protection and Government Accountability Act Legislature v. Weber, a unanimous California Supreme Court ordered Secretary of State Shirley Weber not to place Initiative 1935 on the November 2024 statewide ballot because, rather than a lawful initiative amendment of the California Constitution, it is an improper revision. A revision can only be proposed by the Legislature or a constitutional convention.
- CAPCOA Tracking 14 High Priority Bills.

Local

- BCC held an emergency meeting June 21st to consider approving a letter requesting that an Agricultural Biomass to Bioenergy Initiative be funded out of November's Climate Bond.
- Butte County received a BDO Zone Rating of BBB earlier this month. This confirms at least 223,000 bone dry tons/year of woody biomass material within a 75-mile radius.
- OroCarbo (Brian Wong) founder. Expects to open in 2026:
 - Biomass from local orchards, to produce renewable diesel, hydrogen, graphite and graphene with zero waste.
 - Operating at full capacity the plant will process 500 wet tons of biomass per day generating 32,000 gallons of renewable diesel and 42 tons of biochar, a charcoal-like substance used to improve soil health.

CAPCOA

- Held Spring Conference in May
 - Diesel ICE Risk Guidance review/comment.
 - ED working with CARB on CEC air permitting.
 - With new PM standard EE will be more important than ever: Planning an Exceptional E demo for fall membership meeting.
 - 2025 CAPCOA 50th anniversary: committee was formed to develop ideas and present to board in August.

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Date of Release: August 15, 2024

Board Consideration: August 22, 2024

To: Butte County Air Quality Management District Board of Directors

From: Stephen Ertle, Air Pollution Control Officer

Staff Contact: Stephen Ertle, Air Pollution Control Officer

Re: **Activity Report**

ISSUE:

Summary of District activities for calendar years 2022, 2023 and 2024 as of July 31, 2024.

ACTION REQUESTED:

Accept and file report.

DISCUSSION:

None.

Attachment:

2024 Activity Report.

Agenda Item 3.2

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Activity (2024)	2022	2023	Jan	Feb*	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD ¹
Permits to Operate Issued/Renewed	813	804	51	71	69	66	155	66	89						567
Authority to Construct Permits Issued	50	38	1	3	2	5	0	4	1						16
Portable Equipment Registrations	34	38	2	6	1	1	3	2	0						15
Engine Registrations Issued/Renewed	261	0	0	246	0	0	0	0	0						246
Inspections Performed by Facility	496	348	41	44	40	26	27	23	15						216
Inspections Performed by Permits	658	472	57	69	43	32	30	31	18						280
Status Change Reports Received	3	84	4	16	4	1	11	8	5						49
Agricultural Burn Days ^{2*}	356	353	31	29	31	30	31	30	24						206
Agricultural No-Burn Days ^{2*}	9	12	0	0	0	0	0	0	7						7
Burn Permits Issued	750	727	55	33	79	117	81	44	43						452
Burn Notifications	5,152	4,826	257	299	422	611	436	306	199						2530
Rice Fields Reported Harvested	375	394	0	0	0	3	0	0	0						3
Complaints Received	134	87	2	7	10	12	9	12	1						53
Notices of Noncompliance Issued	104	79	7	4	6	5	13	4	3						42
Notices to Comply Issued	23	5	0	1	1	0	1	0	0						3
Public Outreach	499	651	65	53	57	48	516	107	77						923
Environmental Documents Reviewed	5	1	0	0	0	0	0	0	0						0
Public Records Requests	64	31	9	4	3	5	3	2	4						30

¹ YTD = Year-to-date totals

² Burn Day Status reported below 3000' elevation

* Leap Year

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Date of Release: August 15, 2024

Board Consideration: August 22, 2024

To: Butte County Air Quality Management District Board of Directors

From: Stephen Ertle, Air Pollution Control Officer

Staff Contact: Aleah Ing, Administrative Services Officer

Re: **Financial Status Report Fiscal Year 2024-2025**

ISSUE:

Financial Status Report.

ACTION REQUESTED:

Accept and file report.

DISCUSSION:

The attached financial report summarizes the District's finances during the period of July 1, 2024 through July 31, 2024 and the Balance sheet for the period ending July 31, 2024.

Attachment:

1-Fiscal Year 24-25 July Balance Sheet.

2-Fiscal Year 24-25 July Revenue and Expense Report.

Agenda Item 3.3

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Butte Co. Air Quality Management Dist.
Balance Sheet
As of July 31, 2024

	July 31, 2024
ASSETS	
Current Assets	
Checking/Savings	
1002 · Cash on Hand - Change Box	200.00
1003 · Bank of America - General-0648	550,561.66
1004 · Bank of America - Payroll-0649	14,382.23
1007 · B of A Reserve Acct - 1789	329,690.83
1010 · B of A - 0980 (Grant 1)	240,835.63
1011 · Tri Counties - Carl Moyer 2618	690,138.75
1012 · Tri Counties - FARMER - 6831	1,363,959.93
1013 · Tri Counties - CAP-6855	686,621.96
1017 · Tri Counties - AB 617-6818	129,491.85
1018 · State LAIF Acct	1,287,072.75
Total Checking/Savings	5,292,955.59
Accounts Receivable	
1200 · Accounts Receivable	47,975.14
Total Accounts Receivable	47,975.14
Other Current Assets	
1102 · Due From Other Governments	133,504.02
1500 · Undeposited Funds	3,190.40
Total Other Current Assets	136,694.42
Total Current Assets	5,477,625.15
Other Assets	
1300 · Prepaid Costs	17,251.38
Total Other Assets	17,251.38
TOTAL ASSETS	5,494,876.53
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	6,982.03
2001 · A/P - Grantees	892,672.28
Total Accounts Payable	899,654.31
Other Current Liabilities	
2100 · Accrual Payroll & Benefits	
210004 · HI 125	2,884.81
210011 · PERS Survivor Benefits	-3.29
210013 · MED FLEX	3,110.17
Total 2100 · Accrual Payroll & Benefits	5,991.69
2107 · Unearned Revenue	
210904 · FARMER	364,874.65

	July 31, 2024
210906 · Carl Moyer	80,691.61
210910 · Community (CAP)	310,743.85
210912 · WoodSmoke	4,555.31
210914 · AB 617	168,295.58
210917 · Prescribed Fire Grant	77,102.03
Total 2107 · Unearned Revenue	1,006,263.03
2109 · Unavailable Revenue	283,533.96
Total Other Current Liabilities	1,295,788.68
Total Current Liabilities	2,195,442.99
Total Liabilities	2,195,442.99
Equity	
3100 · Reserves	329,626.07
3200 · Restricted Fund	
3003 · Reserved for Encumbrances	8,300.00
3004 · Carl Moyer Program	460,011.61
3005 · Reserved FARMER Prgm	699,036.23
3009 · Woodsmoke Grant	256,361.00
3012 · Community (CAP)	1,380,400.51
Total 3200 · Restricted Fund	2,804,109.35
3900 · Retained Earnings	462,024.19
Net Income	-296,349.01
Total Equity	3,299,410.60
TOTAL LIABILITIES & EQUITY	5,494,853.59

Butte Co. Air Quality Management Dist.
Profit & Loss Budget vs. Actual
 July 2024 -8.33% of the Year

Accrual Basis

	Jul '24	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
421 · License and Permits				
4213010 · Ag Burn Permits	4,636.07	90,000.00	-85,363.93	5.15%
4213013 · Ag Engine Registration Program	-50.87	3,500.00	-3,550.87	-1.45%
4213020 · Title V Permits	0.00	4,500.00	-4,500.00	0.0%
4213030 · Operating Permits	34,060.16	490,266.00	-456,205.84	6.95%
4213035 · Portable Engine Registration	844.80	45,659.00	-44,814.20	1.85%
4213038 · Asbestos Program	3,168.00	43,092.00	-39,924.00	7.35%
4213040 · Auth to Construct	502.40	29,000.00	-28,497.60	1.73%
4213060 · Misc. Other Permits	0.00	600.00	-600.00	0.0%
4713061 · Technical Evaluation	0.00	5,000.00	-5,000.00	0.0%
Total 421 · License and Permits	43,160.56	711,617.00	-668,456.44	6.07%
430 · Fines, Forfeitures & Penalties				
4300001 · Civil Settlements	2,560.00	45,000.00	-42,440.00	5.69%
Total 430 · Fines, Forfeitures & Penalties	2,560.00	45,000.00	-42,440.00	5.69%
441 · Interest Income	138.17	35,792.00	-35,653.83	0.39%
451 · Intergovernmental				
45000 · Governmental Funds				
4500001 · State Subvention	0.00	65,300.00	-65,300.00	0.0%
4511001 · DMV Surcharge	66,941.22	735,500.00	-668,558.78	9.1%
Total 45000 · Governmental Funds	66,941.22	800,800.00	-733,858.78	8.36%
45105 · Direct Grant Funds				
4510500 · AB 2588 Hot Spots Fee	0.00	134.00	-134.00	0.0%
4510501 · 105 Pilot Project Grant Funding	61,012.00	61,012.00	0.00	100.0%
4510502 · AB 197 Funding	0.00	8,583.00	-8,583.00	0.0%
4510503 · AB 617 Funding	0.00	158,526.11	-158,526.11	0.0%
4510504 · Prescribed Fire Grant	20,210.30	87,598.03	-67,387.73	23.07%
4510505 · GHG Oil & Gas Funding	0.00	6,000.00	-6,000.00	0.0%
Total 45105 · Direct Grant Funds	81,222.30	321,853.14	-240,630.84	25.24%
Total 451 · Intergovernmental	148,163.52	1,122,653.14	-974,489.62	13.2%
471 · Miscellaneous Revenue				
4712523 · Other Misc. Revenue	1,389.45	16,695.00	-15,305.55	8.32%
4712550 · Implementation Funds				
Carl Moyer Implementation	0.00	63,772.57	-63,772.57	0.0%
Community CAP Implementation	0.00	496,060.11	-496,060.11	0.0%
FARMER Implementation	0.00	408,543.08	-408,543.08	0.0%
Total 4712550 · Implementation Funds	0.00	968,375.76	-968,375.76	0.0%
Total 471 · Miscellaneous Revenue	1,389.45	985,070.76	-983,681.31	0.14%
Total Income	195,411.70	2,900,132.90	-2,704,721.20	6.74%
Gross Profit	195,411.70	2,900,132.90	-2,704,721.20	6.74%
Expense				
511 · Payroll Expenses				
511001 · Salaries & Wages	69,747.00	1,017,187.00	-947,440.00	6.86%
512000 · Extra Help	0.00	16,000.00	-16,000.00	0.0%
514000 · Overtime	0.00	4,000.00	-4,000.00	0.0%
518 · Employee Benefits				
518008 · Health Care	11,783.20	156,500.00	-144,716.80	7.53%
518009 · Cafeteria	3,872.11	49,000.00	-45,127.89	7.9%
518010 · Other Employee Benefits	13,254.12	36,500.00	-23,245.88	36.31%
518011 · Vehicle Allowance	0.00	7,440.00	-7,440.00	0.0%
518700 · Retirement Pension	11,486.94	164,600.00	-153,113.06	6.98%
518800 · Contrib to Pension Liability	152,351.00	157,500.00	-5,149.00	96.73%
518900 · Retiree's OPEB	6,620.68	56,900.00	-50,279.32	11.64%
518901 · Contrib to OPEB Liability	0.00	39,438.00	-39,438.00	0.0%
Total 518 · Employee Benefits	199,368.05	667,878.00	-468,509.95	29.85%
Total 511 · Payroll Expenses	269,115.05	1,705,065.00	-1,435,949.95	15.78%
520 · Materials & Supplies				
521104 · Postage	2,000.00	3,850.00	-1,850.00	51.95%
522201 · Office Supplies	487.93	9,500.00	-9,012.07	5.14%

	Jul '24	Budget	\$ Over Budget	% of Budget
523001 · Telecommunications	961.34	19,090.00	-18,128.66	5.04%
524544 · Utilities - Elec/Gas/Wtr/Grbge	928.38	9,577.00	-8,648.62	9.69%
525545 · Auto Fuel Costs/ Road Expense	125.97	6,900.00	-6,774.03	1.83%
Total 520 · Materials & Supplies	4,503.62	48,917.00	-44,413.38	9.21%
530 · Servies & Other Operating				
531201 · Household Janitorial	1,537.50	6,050.00	-4,512.50	25.41%
532527 · Insurance -Liability & Vehicle	15,025.05	15,550.00	-524.95	96.62%
533533 · Memberships, Dues & Subscript..	3,680.02	7,500.00	-3,819.98	49.07%
534537 · Public & Legal Notices	0.00	3,740.00	-3,740.00	0.0%
535540 · Public Outreach	0.00	19,000.00	-19,000.00	0.0%
536101 · Training	290.00	13,950.00	-13,660.00	2.08%
537202 · Travel & Conference Expenses	866.12	27,410.00	-26,543.88	3.16%
Total 530 · Servies & Other Operating	21,398.69	93,200.00	-71,801.31	22.96%
540 · Rents Lease, Repair, NonCapital				
541538 · Property Rents & Leases	0.00	1,460.00	-1,460.00	0.0%
542539 · Equipment Rents & Leases	0.00	785.00	-785.00	0.0%
543103 · Office Furniture & Equip	0.00	17,862.00	-17,862.00	0.0%
543203 · Computer Equipment	0.00	15,055.00	-15,055.00	0.0%
543204 · Computer Software-Subscriptions	11,329.14	21,219.65	-9,890.51	53.39%
543541 · Air Monitoring Equipment & Main	0.00	6,500.00	-6,500.00	0.0%
544001 · Vehicles Maintenance	85.85	5,850.00	-5,764.15	1.47%
544042 · IT Maintenance	2,208.54	33,085.00	-30,876.46	6.68%
544103 · Building Maintenance	0.00	15,395.00	-15,395.00	0.0%
Total 540 · Rents Lease, Repair, NonCapital	13,623.53	117,211.65	-103,588.12	11.62%
550 · Professional/Consulting Service				
551137 · AB2588 Hot Spots Fee	0.00	134.00	-134.00	0.0%
551536 · Professional Services	412.40	96,500.00	-96,087.60	0.43%
551547 · Legal Services	0.00	19,075.00	-19,075.00	0.0%
555580 · Contingencies	0.00	20,000.00	-20,000.00	0.0%
Total 550 · Professional/Consulting Service	412.40	135,709.00	-135,296.60	0.3%
560 · Grants				
560006 · Carl Moyer Grant	37,542.08	284.38	37,257.70	13,201.38%
560007 · Community Air (CAP)	63,565.90	29,805.13	33,760.77	213.27%
560009 · WoodSmoke Grant	65,000.00	3,500.00	61,500.00	1,857.14%
560020 · Special Clean Air Grants	7,276.50	92,000.00	-84,723.50	7.91%
560021 · FARMER	0.00	682.50	-682.50	0.0%
Total 560 · Grants	173,384.48	126,272.01	47,112.47	137.31%
565 · Debt Service				
565087 · GASB 87 Lease Principal	8,874.25	53,396.63	-44,522.38	16.62%
565987 · GASB 87 Lease Interest & Other	425.75	2,403.37	-1,977.62	17.72%
Total 565 · Debt Service	9,300.00	55,800.00	-46,500.00	16.67%
570 · Capital Outlay				
573105 · Vehicles -Fixed Asset Inventory	0.00	35,000.00	-35,000.00	0.0%
Total 570 · Capital Outlay	0.00	35,000.00	-35,000.00	0.0%
Total Expense	491,737.77	2,317,174.66	-1,825,436.89	21.22%
Net Ordinary Income	-296,326.07	582,958.24	-879,284.31	-50.83%
Net Income	-296,326.07	582,958.24	-879,284.31	-50.83%



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ROSE TRYON
Councilmember, Paradise

STEPHEN ERTL
Air Pollution Control Officer

PATRICK LUCEY
Assistant Air Pollution Control Officer

Date of Release: August 15, 2024

Board Consideration: August 22, 2024

To: Butte County Air Quality Management District Board of Directors

From: Stephen Ertle, Air Pollution Control Officer

Staff Contact: Stephen Ertle, Air Pollution Control Officer

Re: **Calendar of Events**

DATE	EVENT	LOCATION
August 28-29	CAPCOA Rural Section Meeting	Folsom
September 2	District Office Close in honor of Labor Day	Chico
September 4	Fire Safe Council Meeting	Paradise
September 12	The Professionals - QEEPS	Willows
September 18	Technical Advisory Committee (TAC)	Colusa
September 26	Butte County AQMD Board Meeting	Chico
September 23-25	CAPCOA Legislative Retreat	Redding
October 2	Fire Safe Council Meeting	Paradise
October 4	Sacramento Valley BCC Meeting	Colusa
October 8	Vapor Recovery	Virtual
October 10-11	CA Wildfire & Forest Resilience Task Force Meeting	Virtual
October 16	Technical Advisory Committee (TAC)	Redding
October 21-23	CSDA Board Clerk Conference	San Diego
October 24	Butte County AQMD Board Meeting	Chico
October 22-23	Enforcement Managers	South Lake Tahoe
October 28-30	Engineering Managers	Virtual
October 28-31	CAPCOA Fall Membership	Monterey
November 6	Fire Safe Council Meeting	Paradise
November 11	District Office Close in honor of Veterans Day	Chico
November 20	Technical Advisory Committee (TAC)	Auburn
November 28-29	District Office Close in honor of Thanksgiving Holiday	Chico

Agenda Item 3.4

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PATRICK LUCEY
Assistant Air Pollution Control Officer

Date of Release: August 15, 2024

Board Consideration: August 22, 2024

To: Butte County Air Quality Management District Board of Directors

From: Stephen Ertle, Air Pollution Control Officer

Staff Contact: Kelly Towne, Board Clerk

Re: **Status Report on Communications**

ISSUE:

Status Report on Communications with Board Members in June and July.

ACTION REQUESTED:

None. For information only.

DISCUSSION:

Attachment:

None.

Agenda Item 3.5

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PATRICK LUCEY
Assistant Air Pollution Control Officer

Date of Release: August 15, 2024

Board Consideration: August 22, 2024

To: Butte County Air Quality Management District Board of Directors

From: Stephen Ertle, Air Pollution Control Officer

Staff Contact: Jason Mandly, Senior Air Quality Planner

Re: **CAP Incentives Project Approvals**

ISSUE:

District staff have identified projects eligible for funding using FY 2023-24 and previous funding year Community Air Protection (CAP) Incentive Funds.

ACTION REQUESTED:

Approve FY 2023-24 CAP Incentives Projects.

DISCUSSION:

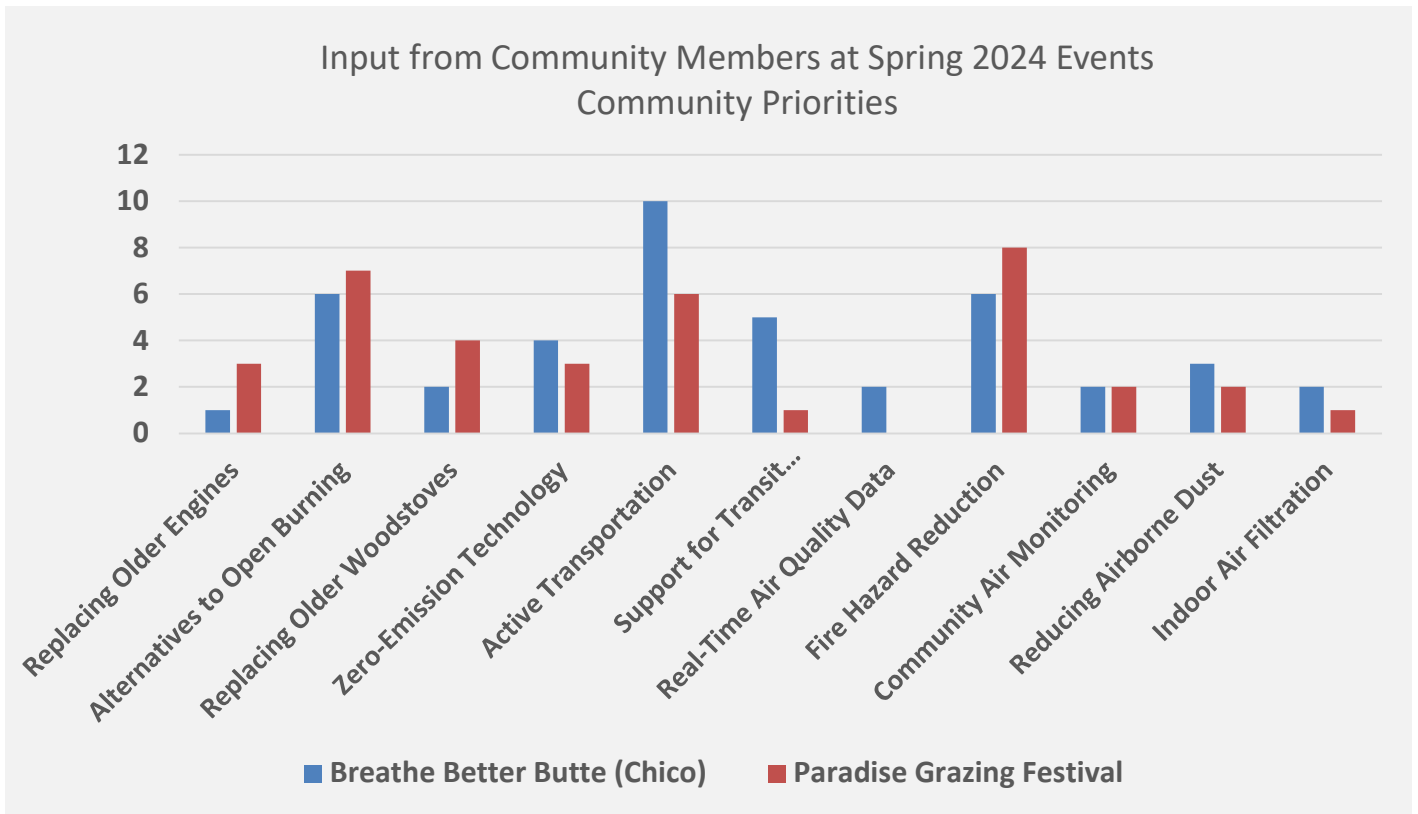
Participation in Year 7 of the CAP Incentives Program (FY 2023-24) was approved by the Board through approval of Resolution 2023-21. The District was awarded \$921,485.00 in project funds to implement projects meeting the goals of AB 617 and the State CAP Incentives 2019 Guidelines. The District also retains unallocated CAP Incentive Funds from previous funding years.

The District conducted several events to inform community members about upcoming incentive opportunities and to receive input on funding priorities. Prior to the community meetings the District released a press release to stakeholders and the media.

Tuesday, May 7, 2024: The District held the Breathe Better Butte Fair to promote the new Lawn and Garden Equipment Program and to solicit input on air quality priorities. The event attracted approximately 200 visitors.

Sunday, June 2, 2024: The District attended the Paradise Grazing Festival which attracted hundreds of visitors. District staff solicited input on air quality priorities in addition to providing information about other District programs.

Agenda Item 5



The District updated the CAP Incentives Policies and Procedures Manual at the June 2024 Governing Board Meeting. The District released a Request for Proposals on July 10, 2024 for eligible projects with a deadline of August 9, 2024. During the RFP period the District hosted two online community meetings to answer any questions about the RFP process and eligible project categories.

The District has a target per the District’s grant agreement with CARB to have 70% of FY 2023-24 funds benefit Disadvantaged Communities and 80% of funds benefit Low Income Communities as defined by the State (<https://webmaps.arb.ca.gov/PriorityPopulations/>). District staff also evaluated the proposed projects for eligibility based on state CAP Incentives Guidelines, Carl Moyer Program Guidelines, and state cost-effectiveness limits.

Projects were ranked based on the Guiding Principles of the statewide Community Air Protection Program and the District’s CAP Incentives Policies & Procedures Manual and Carl Moyer Program Policies and Procedures Manual which is incorporated by reference. The ranking criteria prioritized projects in Disadvantaged Communities then Low-Income Communities (Section IV.C – CAP Incentives Policies and Procedures Manual). Per the CAP Guiding Principles, zero-emission technology & infrastructure as well as projects protecting sensitive receptors were also prioritized.

This award proposal also includes reserving \$300,000.00 in FY 2022-23 funds previously reserved for Woodsmoke Reduction and Residential Lawn and Garden Projects in disadvantaged communities for a pilot Residential Air Filtration Program in 2025. Details on a proposed pilot program would be brought back to your Board for approval. Funds still remain for additional Woodsmoke Reduction and Residential Lawn and Garden projects in Disadvantaged Communities.

Proposed FY2023-24 Community Air Protection Awards							
Group 1: Eligible Projects in Disadvantaged Communities (DAC)							
Organization	Project Type	Community Designation	Zero-Emission Technology?	Sensitive Receptor?	Cost Effectiveness (CE \$/ton)	Eligible Project Cost*	Comments
Thermalito Unified Elementary School District	Paving (Unpaved School Bus Lot)	DAC	N	Y	N/A	\$225,000.00	
Chico Unified School District	Paving (Unpaved School Bus Lot)	DAC	N	Y	N/A	\$250,000.00	
Sierra Nevada Brewing Company	Off-road equipment replacement (Ag Tractor)	DAC	Y	N	Not to exceed 34,000/ton	\$53,707.30	Pending Compliance Check & Cost Effectiveness Limits
Sierra Nevada Brewing Company	On-road equipment replacement (Yard Truck)	DAC	Y	N	Not to exceed 522,000/ton	\$162,656.03	Pending Compliance Check & Cost Effectiveness Limits
Eligible Residents in DACs	Pilot Residential Air Filtration Program	DAC	N	Y	N/A	\$300,000.00 towards Pilot Residential Air Filtration Program	\$100,000 diverted from FY22/23 Woodsmoke Allocation. \$200,000 diverted from FY22/23 Residential L&G Alloc.
Group 2: Eligible Projects in Low Income Communities (LIC)							
Organization	Project Type	Community Designation	Zero-Emission Technology?	Sensitive Receptor?	Cost Effectiveness (\$/ton)	Eligible Project Cost*	Comments
City of Chico	Paving (Unpaved Shoulders Near PVHS)	LIC	N	Y	N/A	\$ 112,860.00	
Thermalito Unified Elementary School District	Air Filtration (Poplar Ave Elementary)	LIC	N	Y	N/A	\$150,141.34	
Group 3: Eligible Projects outside of Disadvantaged and Low Income Communities							
Organization	Project Type	Community Designation	Zero-Emission Technology?	Sensitive Receptor?	Cost Effectiveness (\$/ton)	Eligible Project Cost*	Comments
Butte County Fair Association	Air Filtration	N/A	N	Y	N/A	\$67,565.00	Partial Allocation (\$260,000.00 requested)
*Eligible Project Cost subject to change based on cost-effectiveness limits & state grant requirements							

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PATRICK LUCEY
Assistant Air Pollution Control Officer

Date of Release: August 15, 2024
Board Consideration: August 22, 2024

To: Butte County Air Quality Management District Board of Directors
From: Stephen Ertle, Air Pollution Control Officer
Staff Contact: Jason Mandly, Senior Air Quality Planner
Re: **Approve Community Air Protection Support Grants**

ISSUE:

The District solicited for projects to be funded with Community Air Protection (CAP) Support Grants.

ACTION REQUESTED:

Approve awards for CAP Support Grants.

DISCUSSION:

In May 2024, your Board approved the use of up to \$60,000 in AB 617 Implementation funds to be used towards CAP Support Grants. The District released a press release and application package on July 10, 2024 and accepted project proposals from the public through August 9, 2024. The District hosted an outreach event in May 2024 during Air Quality Awareness Week and hosted two online informational meetings during the application period which was attended by various local community groups and the media. The following project proposals were received:

Table 1: 2024 CAP Support Grant Proposed Projects Received

Organization	Location	Proposed Project	Priority Population	Funds Requested
Butte County Local Food Network	Community Gardens in Paradise & Magalia. Additional locations in Chico, Oroville, and Gridley.	1000 Acres More Community Gardens, Composting, and Education Program	Low Income Community	\$10,000.00
Butte County Resource Conservation District	Various (foothill communities).	Support for Butte County Prescribed Burn Association	Mostly Low-Income Communities	\$10,000.00

Agenda Item 6

The proposed projects meet the goals of AB617 by either directly reducing air pollution or potentially reducing exposure to air pollution through community-based actions. Upon approval, District staff will provide the applicants direction on how to proceed with their project plan.

\$40,000 remains available for additional Community Air Protection Support Grants. The District will maintain an open solicitation for these funds and will bring any additional projects to your Board for approval at future meetings.

Attachments:

1. Proposal from Butte County Local Food Network.
2. Proposal from Butte County Resource Conservation District.

**“1000 Acres More Community Gardens, Composting, and
Education Program”**

**Butte County Air Quality Management District
Community Air Protection Support Grants Program**

August 2024

**A Proposal by Butte County Local Food Network
Matthew Martin, Board President | matt@bclocalfood.org**

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Project Locations

1. **Bumble Bee Community Garden:** 253 Burden Terrace Rd, Paradise, CA 95969
2. **Magalia Community Garden:** 13917 South Park Drive, Magalia, CA 95954

Project overview & goals

Butte County Local Food Network seeks funding for the “**1000 Acres More Community Gardens, Composting, and Education Program.**” Funding from the Community Air Protection Support Grant program will support the following program outcomes:

1. Facilitate compost creation and use in our community for soil health and carbon sequestration;
2. Improve access to green, air-purifying community garden spaces in Butte County; and
3. Empower citizens to create green, air-purifying garden spaces in their neighborhoods through hands-on educational workshops.

Butte County Local Food Network (BCLFN) was founded in October 2019 with a mission to create a healthier, just, resilient, and regenerative local food system for Butte County and its foodshed. We cultivate and nurture a strong local food system as the basis of a strong local economy – one that’s anchored in a healthy community thriving on neighbors helping neighbors.

1000 Acres More (1000AM) is a reboot of the Victory Garden movement from the last century, but coming together this time for love and community instead of war. The goal is that, by 2030, Butte County will have 1000 more collective acres of land growing food for local consumption. Along with growing more food for communities and providing community gathering spaces that promote meaning and connection, 1000AM Community Gardens also improve local air quality.

To facilitate compost creation and use in our community for soil health and carbon sequestration, BCLFN will expand the BumbleBee Community Composting program to serve a total of 25 households.

BCLFN’s Community Composting program is designed to meet people where they are. The program makes composting accessible for residents in Chico, Paradise, and Magalia, helping individual households divert food scraps away from landfills and back into the soil. It’s especially beneficial to seniors and college students since these populations tend to have limited outdoor space for composting and gardening.

Participants collect food scraps in a five-gallon bucket and then drop it off for composting at the BumbleBee Community Composting Center or the Chico Farmer’s Market. BCLFN is working toward expanding dropoff locations to include all five Butte County Farmer’s Market locations as we build capacity. BCLFN will also host two hands-on composting workshops during the 12-month project period to teach residents how to make and use compost in their own yards, engaging at least 20 people.

To improve access to green, air-purifying community garden spaces in Butte County, Butte County Local Food Network will support eight established and emerging community gardens in Butte County.

BCLFN Gardens and Mentored Gardens:

- BumbleBee Garden: 253 Burden Terrace Rd, Paradise, CA 95969
- Veteran’s Garden Project: 624 W. 8th Ave, Chico, CA 95926; Private community garden for Veterans and their families.
- Magalia Community Garden: 13917 South Park Drive, Magalia, CA 95954
- Unitarian Universalist Church: 1289 Filbert Ave., Chico, CA, 95926
- Paradise Community Garden: 5424 Foster Rd, Paradise, CA 95969

Gardens we partner with:

- African American Family and Cultural Center Community Garden: 2377 Wyandotte Ave Oroville, CA 95966
- The Garden at St. Timothy’s: 410 Jackson St. Gridley, CA 95948
- Oak Way Community Garden: 1500 W 8th Ave, Chico, CA 95926.

To empower citizens to create green, air-purifying garden spaces in their neighborhoods, BCLFN will host four agricultural education events in Butte County Community Gardens reaching a minimum of 40 people total.

Each event will center around permaculture and regenerative growing practices that emphasize carbon sequestering techniques like mulching, compost application, and cover crops. Local food-growing experts will lead workshops on topics like water-wise irrigation and indigenous growing practices. At the same time, these events connect community members and promote a sense of well-being. Events will be held roughly once per quarter.

In pursuing these outcomes, the “1000 Acres More Community Gardens, Composting, and Education Program” both directly and indirectly improves local air quality by increasing green infrastructure in Butte County, expanding access to community composting, and engaging the community in educational events.

Expected emission reductions

The 1000AM Community Composting program diverts food waste from landfills, directly reducing methane emissions and indirectly increasing long-term carbon sequestration.

According to the EPA, food waste causes 58% of methane emissions from municipal solid waste landfills. Moreover, methane emissions from landfilled food waste are increasing even as total methane emissions from landfills are decreasing thanks to improvements in landfill gas collection systems. EPA data confirms that diverting food waste from landfills is an effective way to reduce methane emissions from landfills (Krause et al., 2023). One ton of methane has been found to have the equivalent effects of 28 to 36 tons of CO₂ over a 100-year period (IEA, 2021).

Researchers at UC Davis found that compost is also an effective means of storing carbon in semi-arid cropland soils. When both cover crops and compost were used, soil carbon content increased by 12.6% over 19 years, exceeding the goal set by the “4 per 1000” initiative to increase soil carbon by 0.4% per year (Tautges et al., 2019). Compost application also increases crop yields and vegetation, further promoting carbon storage.

Over the course of the 12-month award period, the 1000AM Community Compost program will collect and compost an estimated 6,000 lbs of household food waste (up to 25 participating households contributing around 20 lbs of food waste per month). This will prevent an estimated 1.77 tons of CO₂eq emissions from being released from landfill-bound food waste (*ReFED - Impact Calculator*, n.d.). The resulting approximately 1,800 lbs amount of compost will be applied in 1000AM gardens throughout Butte County.

Additionally, 1000AM Composting workshops will help train the community in composting best practices, like using a pseudo-biofilter layer of finished compost and maintaining proper carbon-nitrogen ratio, moisture content, temperature, and oxygen content. Promoting these best practices within the community will mitigate emissions associated with the composting process itself (*Composting Emissions and Air Permits - CalRecycle Home Page*, n.d.). BCLFN will host two composting workshops, reaching an estimated 20 participants.

Alongside these air quality benefits, increasing community interest and engagement in composting both at home and through the BumbleBee Community Composting Center will help Butte County meet SB 1383 requirements. The California law, enacted in 2022, requires local governments to reduce the amount of organic waste headed to landfills by 75% by 2025.

Expected reduction in exposure to air pollutants

1000AM Community Gardens serve as accessible, air-purifying urban green spaces. In addition to supporting community garden spaces throughout Butte County, BCLFN will also host 1000AM Workshops to demonstrate best practices in designing and caring for home gardens.

Urban green spaces have been shown to reduce air pollution, particularly the concentration of particulate matter (PM). One study found that green areas mitigate levels of PM_{2.5} by 25% and PM₁₀ by 37% compared to non-green areas (Srbinovska et al., 2021). Furthermore, a nationwide modeling study showed that US urban trees remove around 711,000 metric tons of air pollutants per year, reducing nationwide exposure to pollutants including O₃, PM₁₀, NO₂, SO₂, and CO (Nowak et al., 2006).

Combined, 1000AM Community Gardens and mentored community gardens occupy approximately 5.5 acres of land. Expansion of community green spaces will be further accelerated through education and community outreach promoting regenerative growing practices and garden designs that excel in PM filtering. Over the course of the award period, four 1000AM educational workshops will engage a total of at least 40 community members.

Estimated project timeline

Funding from the Community Air Protection Support Grant will be expended over a 12-month period. The table below describes the estimated project timeline, organized by project outcome.

Table 1: Timeline of Activities			
Outcome: Encourage composting creation and use in our community			
Objectives	Timeline	Tasks	Responsible Official
25 households participating in Bumble Bee Community Composting Program.	Month 1	Implement a household recruitment campaign for the composting program.	Growing Spaces Coordinator
	On-going	Operate year-round community composting center and Farmers Market compost drop program.	Growing Spaces Coordinator
2 composting workshops hosted; 20 people reached	Month 3 & Month 9	Develop and conduct engaging composting workshops with a hands-on approach.	Growing Spaces Coordinator
Outcome: Maintain green, air-purifying community garden spaces			
Objectives	Timeline	Tasks	Responsible Official
8 established and emerging Community Gardens supported throughout Butte County.	Month 1	Conduct a comprehensive needs assessment for each partner garden.	Program Director
	Month 1	Develop a communication plan for regular interaction with partner gardens.	Program Director
	Months 1 - 12	Based on needs assessment, provide ongoing support in areas like technical expertise and mentorship, public relations and marketing assistance, and special event support.	Growing Spaces Coordinator
Outcome: Empower citizens to create green, air-purifying garden spaces in their neighborhoods			
Objectives	Timeline	Tasks	Responsible Official
4 agricultural education events conducted; 40 people reached	Once per quarter	Develop and conduct engaging agriculture education workshops with a hands-on approach; Provide ongoing education around permaculture, soil health, and creating climate-smart microclimates to reduce heat and create shade spaces by planting trees and other vegetation.	Growing Spaces Coordinator

Project Budget

Estimated total costs: \$15,389.00

CAP Support Grant funding amount requested: \$10,000.00

Income				
Fundraising			Amount	Notes
Individual Contributions			\$1,500	Targeted
Grants				
Umpqua Bank Charitable Foundation			\$6,000	Pending
2024 Community Air Protection Support Grant			\$10,000	Pending
Total Income			\$17,500.00	
Expenses				
Role	Hours	Rate	Amount	Notes
Program Director	104	\$35.00	\$3,640.00	
Growing Spaces Coordinator	366	\$25.00	\$9,150.00	
Contractors and Consultants	Quantity	Rate	Amount	Notes
Community Expert Stipends	6	\$200.00	\$1,200.00	
Total Direct Costs			\$13,990.00	
Indirect Costs			\$1,399.00	10%
Total Direct and Indirect Costs			\$15,389.00	

References

- Composting Emissions and Air Permits - CalRecycle Home Page*. (n.d.). CalRecycle. Retrieved August 5, 2024, from <https://calrecycle.ca.gov/organics/air/>
- IEA. (2021). *Methane Tracker 2021*. Methane and climate change – Methane Tracker 2021 – Analysis - IEA. Retrieved August 5, 2024, from <https://www.iea.org/reports/methane-tracker-2021/methane-and-climate-change>
- Krause, M., Kenny, S., Stephenson, J., & Singleton, A. (2023, October). *Quantifying Methane Emissions from Landfilled Food Waste*. Environmental Protection Agency (EPA). Retrieved August 5, 2024, from https://www.epa.gov/system/files/documents/2023-10/food-waste-landfill-methane-10-8-23-final_508-compliant.pdf
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- Srbinovska, M., Andova, V., Mateska, A. K., & Krstevska, M. C. (2021, January 10). The effect of small green walls on reduction of particulate matter concentration in open areas. *Journal of Cleaner Production*, 279. <https://www.sciencedirect.com/science/article/abs/pii/S0959652620333515?via%3Dihub>
- Tautges, N. E., Chiartas, J. L., Gaudin, A. C.M., O'Green, A. T., Herrera, I., & Scow, K. M. (2019, November). Deep soil inventories reveal that impacts of cover crops and compost on soil carbon sequestration differ in surface and subsurface soils. *Global Change Biology*, 25(11), 3753-3766. <https://doi.org/10.1111/gcb.14762>

Attachment 2

Butte County Air Quality Management District CAP Support Grants Application

Name of project: Butte County Prescribed Burn Association

Location of project: Serving unincorporated Butte County's wildland-urban interface, about 80% of which is a low-income community

Project overview and goals: The Butte PBA is a co-op of landowners, students of fire, neighbors and others who help each other to put good fire on the ground. Through on-the-ground training burns, we reduce the amount of fuel available to burn in future wildfires, reduce future smoke impacts from wildfires, build a community corps of fire-literate and smoke-literate forest health practitioners, and perform outreach that accustoms the community to seeing good smoke. Our trainings build community-based prescribed fire capacity by providing ordinary people the chance to learn to read fire weather, understand burn prescriptions and the burn planning/permitting process, gain proficiency in smoke management, monitor different types of fuel moisture, develop an understanding of wind patterns at their microsite and how to use them to disperse smoke from forest health burns. Meanwhile, our social media and news media outreach before, during, and after each burn ensures the community is well-informed about the location, timing, and reason for the smoke they are seeing. We collaborate with CAL FIRE, BCAQMD, the Fire Safe Councils, and many other local organizations to build a rural culture of respect for smoke and an understanding that a little smoke on good burn days can prevent a lot of smoke during a catastrophic, "purple air" wildfire season. We believe that caring for our land – and our airshed – is everyone's business, so we find ways everyone can contribute to restoring good fire in our communities.

In spring 2021, our first season of burning, we held 4 successful training burns that created a total of 21 acres of underburned defensible space on private land. About 75 unique Butte County residents received on-the-ground training in good fire and, in the process, eagerly contributed a collective 700 hours of volunteer labor. Since then our acreage has grown past 100 acres, our volunteer hours have surpassed 2000 hours, and over 200 unique Butte County residents contributed their time and knowledge on over 20 prescribed fires. This level of engagement sends a clear message that the community is ready for this type of program. Community participants report regaining a sense of control over fire, healing traumatic associations with fire, improving their connection to nature, and achieving a much better understanding of how smoke moves in the landscape and how to work with fire without subjecting themselves and neighbors to smoke impacts. Next year, we want to increase the number of training's we offer and reach 200 acres burned with a 1000 acres a year burned being the eventual goal. We have done a great deal of burning in the low-income community of Cohasset and many properties we burned survived the Park Fire. We believe that good fire played a crucial role in the survival of those homes, neighboring properties, trees surviving, and even may have been a factor in a portion of the community being spared devastation. Following the recent Park Fire one landowner commented "My house is standing today 100% because of Butte PBA" Increasing the number of potential burn units in play at once will require more fire suppression equipment.

To increase the amount of defensible space we can create around homes and communities and increase the health of the forest we request a budget of \$10,000 to purchase a 500 gallon water trailer, hose, and fittings. This small investment will increase our gallons of water available fivefold from 125 to 625 to use on prescribed fire. Our project is extremely scalable, so if less than \$10,000 is available, we can still put the funds to good use by buying or building a less expensive fire skid unit that volunteers can put in the back of their personal vehicles.

Quantitative and / or qualitative description of expected emission reductions by air pollutant (particulate matter, oxides of nitrogen, reactive organic gases, toxic air contaminants, greenhouse gas emissions): By reducing the ladder fuels available to a wildfire, the project reduces future wildfire intensity and extent and thereby reduces the amount of particulate matter and greenhouse gas emissions released during a wildfire. A future wildfire that encounters a recently prescribed-burned area is likely to “drop down” out of the canopy to the forest floors, consume fewer whole trees, generate less smoke per acre while it is burning the pre-burned area, and overall leave more carbon in the forest on those acres. Furthermore, by creating defensible space around homes and communities, the project also reduces the likelihood that homes and structures would burn in a future wildfire, thereby reducing the volume of toxic air contaminants such as dioxins and volatile organic compounds that are released when homes burn. Additionally, by reducing tree and soil microbiology mortality, the forest has a chance to continue to sequester carbon and clean the air instead of needing to be removed via chainsaws and heavy equipment which both contribute to air pollution.

Quantitative and / or qualitative description of expected reduction in exposure to air pollutants – either directly or indirectly (from outreach or monitoring efforts, for example). By choosing the time and weather conditions for burning ladder fuels in the forest, the Butte PBA's efforts reduce the community's exposure to smoke. Fire in California is inevitable, but human health impacts from smoke need not be. By choosing to underburn our forests when conditions for smoke dispersal are excellent, we can get all the benefits of fuel reduction while minimizing the smoke impacts on sensitive individuals. Also using fire to treat overloaded fuels and protect homes and forests will reduce the need for other treatment methods including mastication, cut and pile or scatter, and bulldozing all of which are loud, dangerous, and pollute the air.

While burning in the winter, the only vegetation in the forest that will typically burn for a long time and put out excessive amounts of smoke are stumps. Rapid and thorough extinguishment of burning material helps reduce smoke impacts and the additional water capacity afforded to the Butte PBA by having a 500 gallon water trailer will significantly enhance our ability to accomplish this and keep smoke impacts to a minimum.

Estimated project timeline (projects must be funded by June 1st 2026): The funding requested will go to purchase equipment and supplies, so it can be expended almost immediately upon grant approval.

Estimated total costs. The estimated annual cost to provide the Butte Prescribed Burn Association program for 2023-24 is \$175,000, which includes all volunteer and partner match, coordinator wages, supplies/equipment, training budget, and overhead.

CAP Support Grant funding amount requested. BCRCDC requests \$10,000 to purchase a 500 gallon water trailer, hose, and fittings which will allow Butte PBA to scale up the quality and quantity of our prescribed fire operation while minimizing our smoke impacts and protecting homes, property, and the forest.

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TAMI RITTER, CHAIR
Supervisor, District #3

ADDISON WINSLOW, VICE CHAIR
Councilmember, Chico

BILL CONNELLY
Supervisor, District #1

PETER DURFEE
Supervisor, District #2

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Supervisor, District #4

DOUG TEETER
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Councilmember, Gridley

ERIC SMITH
Vice Mayor, Oroville

ROSE TRYON
Councilmember, Paradise

STEPHEN ERTL
Air Pollution Control Officer

PATRICK LUCEY
Assistant Air Pollution Control Officer

Date of Release: August 15, 2024

Board Consideration: August 22, 2024

To: Butte County Air Quality Management District Board of Directors

From: Stephen Ertle, Air Pollution Control Officer

Staff Contact: Jason Mandly, Senior Air Quality Planner

Re: **Grant Program Summary Update**

ISSUE:

Report on Current District Grant Programs.

ACTION REQUESTED:

None. This item is provided for information and discussion.

DISCUSSION:

The District is managing a large variety of grants and funding opportunities. Table 1 shows the estimated emission reductions of FARMER, CAP Incentives, and Carl Moyer projects completed during the project years shown in Table 2. Emission reductions from Lawn and Garden Projects and Woodsmoke Reduction Program projects will be reported in separate program summaries at a later date.

The table on the next page (Table 2) of this item shows current and completed grant activities over the past four (4) years as a reference for your Board. Also included in this item are testimonials on District grant programs by recent awardees.

Table 1: Estimated Emission Reductions From Completed FY2020/21 to Current Projects

	Oxides of Nitrogen (NOx)	Reactive Organic Gases (ROG)	Diesel Particulate Matter (PM)
FARMER Program	18.28 tons / year	2.29 tons / year	1.00 tons / year
Carl Moyer Program	4.45 tons / year	0.57 tons / year	0.36 tons / year
CAP Incentives	3.43 tons / year	0.43 tons / year	0.10 tons / year

Attachments:

2024 Grant Testimonials.

Agenda Item 7

Table 2: Current Grants and Incentives Managed by the District

Grant Name	State Fiscal Year	Grant Amount	Programs / Projects Funded	Grant Status
Prescribed Burn Reporting & Monitoring Support	21/22-	\$82,400	District activities related to prescribed burning smoke management.	Ongoing
AB197 Emissions Inventory Program	Yearly	\$8,583	District activities related to AB197 and performing emissions inventories.	Ongoing
Oil & Gas Implementation	Yearly	\$6,000	District activities related to implementing the State Oil and Gas Regulation per an MOU with CARB.	Ongoing
AB617 Implementation	23/24- 22/23- 21/22-	\$111,702 \$54,130 \$47,726	District activities related to implementing AB617 Community Air Protection Program including CAP Support Grants.	Ongoing
105 Pilot Grant	Yearly	\$59,080	District activities related to Clean Air Act requirements.	Ongoing
State Subvention	Yearly	\$61,598	District activities related to State air quality requirements and enforcement.	Ongoing
Woodsmoke Reduction Program (Year 3)	21/22	\$512,480	Vouchers to replace wood-burning devices. (49 Vouchers paid out so far)	Ongoing
Carl Moyer Program Year 26	23/24	\$200,000	3 off-road equipment replacement projects.	Ongoing
Carl Moyer Program Year 25	22/23	\$200,000	2 off-road equipment replacement projects.	Ongoing
Carl Moyer Program Year 24	21/22	\$200,000	3 off-road equipment replacement projects.	Completed
Carl Moyer Program Year 23	20/21	\$200,000	3 off-road equipment replacement projects.	Completed
Carl Moyer Rural Assistance Program Year 26	23/24	\$116,854	2 off-road equipment replacement projects.	Ongoing
Carl Moyer Rural Assistance Program Year 25	22/23	\$221,835	3 off-road equipment replacement projects.	Completed
Carl Moyer Rural Assistance Program Year 24	21/22	\$122,940	2 off-road equipment replacement projects.	Completed
CM State Reserve Year 26	23/24	\$212,666	Commercial / Residential lawn and garden projects.	Ongoing
CM State Reserve Year 24	21/22	\$301,000	Commercial lawn and garden projects. (154 vouchers paid out).	Ongoing
CM State Reserve Year 23	20/21	\$54,460	2 infrastructure projects .	Completed
Community Air Protection Incentives (Year 7)	23/24	\$1,105,782	To be awarded August 2024.	Upcoming
Community Air Protection Incentives (Year 6)	22/23	\$1,134,135	3 school composite wood product projects, 1 school air filtration project, 2 conventional off-road projects, additional funding for woodstove and lawn and garden vouchers.	Ongoing
Community Air Protection Incentives (Year 5)	21/22	\$1,351,511	4 school air filtration projects, 1 conventional school bus project, 1 conventional off-road project, 6 zero-emission equipment projects, 1 charging infrastructure project	Ongoing
FARMER Program Year 6	23/24	\$699,700	6 electric UTVs, and 9 off-road equipment replacement projects	Ongoing
FARMER Program Year 5	22/23	\$1,399,400	4 on-road, 3 ag pump engines, 1 electric UTV, and 14 off-road equipment replacement projects	Ongoing
FARMER Program Year 4	21/22	\$1,984,000	8 on-road and 18 off-road equipment replacement projects.	Ongoing

2024 BCAQMD Grant Program Testimonials

"On behalf of the Thermalito Union Elementary School District, we extend our heartfelt gratitude to the Butte County Air Quality Management District for their generous support through various grants. The electric bus, EV lawn and garden equipment, HVAC grants, and cabinetry material grants are instrumental in improving the air quality in our classrooms and throughout our community. Your commitment to fostering a healthier environment for our students and staff is deeply appreciated. Thank you for partnering with us in creating a better and brighter future for our district."

-Andrew Koster, Thermalito Union Elementary School District



"Grants are absolutely essential for growers and businesses to update our fleets to meet requirements. With the skyrocketing cost of machinery and the plummeting of the Ag economy, we need help to meet air quality mandates and these grants are a great way to update aging equipment we are in need of replacing."

-Lee Heringer, M & T Chico Ranch



"I wanted to thank you for helping us reduce the amount of carbon emissions we, at Chico Unified School District, subject our students and community to. We have about 12,000 students of which approximately 1,000 ride our school buses each school day. Thanks to the grant money we received from your team recently we have been able to purchase two Zero Emission school buses and a Zero Emission tractor. These vehicles not only produce zero carbon, but they also produce very little noise pollution. We would have not been able to reduce our carbon footprint and noise pollution if it were not for the work of your team. Thank you for all you do for our environment."

-Bob Ontiveros, Chico Unified School District



"The grant was so helpful to me. It paid for half the cost of the heat pump I wanted to install. I am no longer burning propane or wood and solar is providing most of my heat and cooling."

-Margart S., Oroville Resident



"The voucher that was provided to us by the Butte County AQMD made it possible for us to transform our wood burning fireplace into an electric heat source, thus contributing to improving the air quality in Chico; giving us another reason to appreciate our solar panels. "

-Nancy E., Chico Resident

"Last year I received a voucher to replace my fireplace insert. It wasn't until I got my new insert that I realized how inefficient my old one was. I burned less wood and to the naked eye it looked like there was less smoke coming from my chimney. The voucher process was straight forward and easy in no small part to Jason Mandly and the contractor I worked with"

-Peggy S., Paradise Resident



"This grant has benefitted CHAT's maintenance team greatly. The equipment has been used to maintain over 60 properties across Chico, serving over 170 clients in their homes. Thank you!"

-Sarah Graham, Chico Housing Action Team



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Date of Release: August 15, 2024

Board Consideration: August 22, 2024

To: Butte County Air Quality Management District Board of Directors

From: Stephen Ertle, Air Pollution Control Officer

Staff Contact: Stephen Ertle, Air Pollution Control Officer

Re: **Proposed Rule 500 Cost Recovery Fee Status Report**

ISSUE:

Rule 500 Cost Recovery Fee Amendment Status Report.

ACTION REQUESTED:

Receive Report.

DISCUSSION:

Staff are developing amendments to Rule 500 to include a cost recovery category for proposed adoption at the December 12, 2024, Board Meeting. Draft rule amendments and the associated Staff report are in process. The timeline for outreach, public workshops and release of the draft amendments for comment and the adoption hearing have been completed:

- Direct permit holder outreach will occur throughout September,
- Workshops are scheduled for October,
- Draft proposed Rule release is November 11, which commences a 30-day comment period,
- Rule amendment adoption hearing during the December 12 Governing Board Meeting.

Agenda Item 8

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BCAQMD ACRONYM REFERENCE

Updated May 2024

-Board of Director's Meeting -

Summarized below are acronyms commonly used in Board folders and accompanying staff reports.

A/C or ATC	Authority to Construct Permit
AB	Assembly Bill
AERR	U.S. EPA Air Emissions Reporting Requirements
AMOS	Automatic Meteorological Observation Stations
AP-42	EPA technical reference specifying specific Air Pollutant Emission Factors
APCD	Air Pollution Control District
APCO	Air Pollution Control Officer
AQMD	Air Quality Management District
ATCM	Airborne Toxic Control Measure
AQI	Air Quality Index
BACT	Best Available Control Technology
BAM	Beta Attenuation Monitor (records hourly ambient particulate data)
BCAG	Butte County Association of Governments
BCAQMD	Butte County Air Quality Management District
BCC	Sacramento Valley Basinwide Air Pollution Control Council
BOS	Board of Supervisors
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAP	Climate Action Plan
Cal-EPA	California Environmental Protection Agency
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CARPA	California Air Response Planning Alliance
CBYL	Check Before You Light
Cd	Cadmium
CEQA	California Environmental Quality Act
CI	Compression Ignition
CO	Chemical symbol for carbon monoxide
CO2	Chemical symbol for carbon dioxide
CPA	Certified Public Accountant
CPI	Consumer Price Index
CSAC	California State Association of Counties
CTR	Criteria Pollutant and Toxic Emissions Reporting Regulation
CUA	Chico Urbanized Area
DMV	Department of Motor Vehicles
DTSC	California Department of Toxic Substance Control
EG	Emission Guidelines
EICG	Emission Inventory Criteria and Guideline Regulation
EI	Emission Inventory
Emfac	Emission Factor Computer Model
EPA	Environmental Protection Agency (Federal)
ERC	Emission Reduction Credit
ESA	Endangered Species Act
EVR	Enhanced Vapor Recovery
FIP	Federal Implementation Plan
FRM	Federal Reference Method
FY	Fiscal Year (June 30-July 1, unless otherwise stated)
GASB	Governmental Accounting Standards Board
GDF	Gasoline Dispensing Facilities
GFOA	Governmental Finance Officers Association
GHG	Greenhouse Gases
GWP	Global Warming Potential
HAP	Hazardous Air Pollutants

BCAQMD ACRONYM REFERENCE

Updated May 2024

-Board of Director's Meeting -

Hg	Mercury
HRA	Health Risk Assessments
HSC	Health & Safety Code
ICE	Internal Combustion Engine
ISD	In-Station Diagnostics
ISR	Indirect Source Review
LESB	Lower Emission School Bus program
Mb	Millibar
Mg/Yr	Milligrams per year
Micron	Abbreviation of Micrometer or 1,000,000th of a meter in size
MPO	Metropolitan Planning Organization
Msl	Mean sea level
MMT CO2	Million Metric Tons of Carbon Dioxide equivalent emissions
MSW	Municipal Solid Waste
NAAQS	National Ambient Air Quality Standard
NACAA	National Association of Clean Air Agencies
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NMOC	Non-Methane Organic Compound
NON	Notice of Noncompliance
NOx	Oxides of Nitrogen
NSPS	New Source Performance Standards
NSR	New Source Review
NTA	Notice to Apply for a Permit
NTC	Notice to Comply
OEHHA	California Office of Environmental Health Hazard Assessment
OAL	Office of Administrative Law
ORVR	Onboard Refueling Vapor Recovery
PERP	Portable Equipment Registration Program
Pb	Lead
PCBTF	Para-chloro-benzo-tri-fluoride
PM	Particulate Matter
PM 10-2.5	Particulate Matter 10 Microns in Size and smaller, but greater than 2.5 Microns
PM10	Particulate Matter 10 Microns in Size and smaller
PM2.5	Particulate Matter 2.5 Microns in Size and smaller
PSD	Prevention of Significant Deterioration
RACT	Reasonably Available Control Technology
RICE	Reciprocating Internal Combustion Engine
RCRC	Regional Council of Rural Counties
RRF	Relative Reduction Factor
RSD	Remote Sensing Device
SB	Senate Bill
SCM	Suggested Control Measure
SDRMA	Special District Risk Management Authority
SF	Square Foot
SIC	Standardized Industrial Classification
SIP	State Implementation Plan
SLCP	Short-lived Climate Pollutant
SO2	Chemical symbol for sulfur dioxide
SSI	Size Selective Inlet (applies to particulate samplers)
TAC	Technical Advisory Committee of the BCC
TARMAC	CAPCOA Toxics and Risk Managers Committee
TEIP	Toxic Emission Inventory Plan
TEIR	Toxic Emission Inventory Report

BCAQMD ACRONYM REFERENCE

Updated May 2024

-Board of Director's Meeting -

Title 17	California Code of Regulations, Administrative Law adopted by the California Air Resources Board, and referencing in this Board folder the Agricultural burn guidelines
ug/m3	Micrograms per cubic meter
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
VEE	Visible Emission Evaluation Certification
VOC	Volatile Organic Compound
WUI	Wildland Urban Interface
YTD	Year to Date

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