Program Design and Implementation Guide
Agriculture Electrification Grant Program

1. Program Concept
In order to reduce GHG emissions and increase electrification across MBCP service area, the program will provide financial assistance to the Agricultural (AG) sector for replacement of fossil fuel powered equipment and purchase of new electric equipment including farm tools, irrigation pumps, vehicles, and other equipment. The program will be implemented via a competitive grant process. An application will be filed with MBCP including project/equipment details. Eligible projects may be awarded up to $20,000 of MBCP program funding. MBCP retains the right to modify the program design for any time and for any reason.

2. Target Market
Commercial MBCP AG customers that utilize agricultural equipment powered by fossil fuels. Replacement of older equipment may yield more significant emissions (both GHG as well as particulate) reductions.

3. Recipient Eligibility
3.1. Must be a current MBCP customer in good standing
3.2. Commercial agriculture business on an approved AG rate

4. Project/Equipment Eligibility
4.1. Incentive money must be used to offset the cost of equipment electrification projects, which includes the purchase of all-electric AG equipment.
4.2. Exclusions include but are not limited to: Hybrid or low emissions equipment. Solar generators (PV) or battery storage are not acceptable.
4.3. Examples of eligible equipment include:
   - Irrigation pumps
   - Forklifts
   - Tractors
   - Chillers/boilers
   - Other heating and cooling equipment
   - Work trucks/haulers/other vehicles
   - Other equipment justified at MBCP’s discretion

5. Funding Distribution
5.1. Total funding for the program is $160,000
5.2. Potential applicants will apply for specific projects and will be eligible for up to $20,000 to support electrification/fuel switching costs.
5.3. There is no matching funds requirement.
5.4. MBCP may choose to provide a portion of the requested funding at MBCP’s discretion.
5.5. Program funding may be used in conjunction with other funding, incentives, rebates, etc.
5.6. Funding will be provided on a reimbursement basis. Upon the acceptance of a project application, funding will be held until proof of purchase.

The following table shows the proposed budget allocation by County:

<table>
<thead>
<tr>
<th>County</th>
<th>Total incentive available*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monterey</td>
<td>$ 80,000</td>
</tr>
<tr>
<td>San Benito</td>
<td>$ 20,000</td>
</tr>
<tr>
<td>San Luis Obispo</td>
<td>$ 20,000</td>
</tr>
<tr>
<td>Santa Cruz</td>
<td>$ 40,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 160,000</strong></td>
</tr>
</tbody>
</table>

*MBCP reserves the right to re-allocate funding by County for any reason and at any time.

6. Application Process
6.1. The application will be accessible online and include the following information regarding the project:
   - Customer information
   - Brief narrative outlining the project
   - List of equipment to be replaced if applicable
   - Age of the equipment/fuel source
   - Equipment operation schedule (hours per year the equipment is operating)
   - Details regarding the electric replacement equipment (Cost, capacity, etc..)
6.2. Upon receiving the application MBCP will conduct preliminary analysis to determine customer eligibility and application completeness as well as project feasibility and emission reductions.
6.3. MBCP will reach out to selected applicants to discuss the project.

7. Project Selection

Eligible projects will be scored and ranked based on total cost, emissions reductions, and $/MT GHG reduction. Geographic location will also be taken into account. MBCP retains the right to reject any application for any reason under this program and to change the project selection guidelines at any time and for any reason.

8. Analysis

The following equation and inputs are an example of how MBCP may determine the GHG impact of the projects. MBCP reserves the right to modify this methodology and is not beholden to the method outlined below.
Farm equipment is typically aged in “run hours”, for the purposes of calculating GHG reductions, annual “run hours” of operation as well as the above emission rate values will be utilized. A simple example of a calculation is outlined below:

\[ g \text{ HC} = h_{yr} \times EF \times hp \]

Where:

- \( g \text{ HC} \) = grams of Hydrocarbon
- \( h_{yr} \) = Run hours per year
- \( EF \) = Emission factor (g/hp-hr)
- \( hp \) = Horsepower rating

Besides GHG impact, MBCP is also interested in the amount of added kWh load expected to result from these electrification projects. In order to determine the added load and added revenue to MBCP some basic information regarding the electric equipment will be needed. MBCP will determine added load based on the demand of the equipment (kW) and the operation schedule (hours of use).

### 9. Program Implementation Outline
- Launch the program webpage
- Initial outreach
- Open application period (application document live on website)
- Rank and score applications
- Award eligible applicants/allocate funding
- Track program outcomes and collect participant feedback

### 10. Related Program Resource Links
- CARB FARMER Program [website](#)
- Carl Moyer: [Tables for Emission Reductions and Cost-effectiveness calculations](#)