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2

### F - Well Flow Meter Reporting Form

Cuyama Basin Groundwater Sustainability Agency

Water users using more than 25 acre-feet per year must report monthly flow meter data for each well and include a photograph of the meter at the time of the end of year measurement. This information must be submitted to the Cuyama Basin GSA by January 31<sup>st</sup> for the previous calendar year. Please contact Taylor Blakslee at <a href="mailto:tblakslee@hgcpm.com">tblakslee@hgcpm.com</a> or (661) 477-3385 if you have any questions.

| <ul><li>5 Flow meter set</li><li>6 APN or Townsl</li></ul> | ake/manufacturer _<br>rial number<br>hip/Range/Section |                                |  |       |
|--|--|--------------------------------|--|-------|
| served by well   | <del>-</del>   |                                |  |       |
| Flow Meter Meas  | urement Data   |                                |  |       |
|  | Measurement<br>Date                                    | Totalizing Flow<br>Measurement | Flow Measurement Unit (acre-feet, acre inch, etc.) | Notes |
| <b>December</b> (previous year)                            |  |                                |  |       |
| January  |  |                                |  |       |
| February   |  |                                |  |       |
| March  |  |                                |  |       |
| April  |  |                                |  |       |
| May  |  |                                |  |       |
| June   |  |                                |  |       |
| July   |  |                                |  |       |
| August   |  |                                |  |       |
| September  |  |                                |  |       |
| October  |  |                                |  |       |
| November   |  |                                |  |       |

#### **Attachments**

December

Please attach the following to an email and send to Taylor Blakslee at <a href="mailto:tblakslee@hgcpm.com">tblakslee@hgcpm.com</a> by January 31st for the previous calendar year:

• Well Flow Meter Reporting Form

**Landowner and Well Information** 

Company/organization

Landowner name

Picture of totalizing flow meter for the December reading (file name format: "Serial-number\_FlowPhoto\_YYYY\_MM\_DD.jpeg")



## Form I IRRIGATOR

### WATER USE ESTIMATE WORKSHEET – 2022 Cuyama Basin Groundwater Sustainability Agency

| Name            |  |
|-----------------|--|
| Billing Address |  |
| Phone / Email   |  |

#### Instructions:

- 1. For 2022, input crop name(s)<sup>1</sup> in column A, the parcels those acres are farmed on in column B, the irrigated acres in column C, and the corresponding crop factors from the attached Exhibit C-1 in column D.
- 2. Multiply acres (column C) by the crop factor (column D) and input result in column E.
- 3. Total the acre-feet from column E in row 2.
- 4. Convert net water use (from row 2) to gross water use by multiplying total acre-feet from row 2, column E by the gross factor in row 3, column E and insert in row 4, column E.

|   | А                        | В   | С     |   | D              |    | E                        |
|---|--------------------------|---|-------|---|----------------|----|--------------------------|
|   | Crop Name                | Assessor Parcel<br>Number(s) (APN) <sup>2</sup> | Acres |   | Crop<br>Factor |    | Water Use<br>(acre-feet) |
| 1 |                          |   |       | Х |                | =  |                          |
|   |                          |   |       | Х |                | =  |                          |
|   |                          |   |       | Х |                | II |                          |
|   |                          |   |       | Х |                | II |                          |
|   |                          |   |       | Х |                | II |                          |
|   |                          |   |       | Х |                | II |                          |
|   |                          |   |       | Х |                | =  |                          |
|   |                          |   |       | Х |                | =  |                          |
|   |                          |   |       | Х |                | =  |                          |
|   |                          |   |       | Х |                | =  |                          |
|   |                          |   |       | Х |                | =  |                          |
| 2 | Total Acre-feet (sum col | umn E)  | •     |   |                |    |                          |
| 3 | Gross Conversion Factor  |   |       |   |                |    | 1.52                     |
| 4 | Total Gross Water Use    |   |       |   |                |    |                          |

<sup>&</sup>lt;sup>1</sup>If you have metered water use that is less than the crop factors, you can report metered water use.

<sup>&</sup>lt;sup>2</sup>Cropping location information may be provided separately from this form. Please contact Taylor Blakslee at 661-477-3385, or <a href="mailto:tblakslee@hgcpm.com">tblakslee@hgcpm.com</a> for any questions.

### Exhibit I-1 – Crop Factors

### **Source Information**

Crop Factors are evapotranspiration (ET) values from California Polytechnic State University's Irrigation Training and Research Center (ITRC) California Crop and Soil Evapotranspiration Report (Crop Report), ITRC Report No. R 03-001 accessible at <a href="https://www.itrc.org/reports/pdf/californiacrop.pdf">www.itrc.org/reports/pdf/californiacrop.pdf</a>.

The below values were calculated using ET reference averages for zone 10 from the Crop Report (see below figure).



| Avg Annual | Reference ET by Zone (inches/yr) |
|------------|----------------------------------|
| Zone       | <u>Total</u>                     |
| 1          | 33.0"                            |
| 2          | 39.0"                            |
| 3          | 46.3"                            |
| 4          | 45.5"                            |
| 5          | 43.9"                            |
| 6          | 49.7"                            |
| 7          | 43.4"                            |
| 8          | 49.4"                            |
| 9          | 55.1"                            |
| 10         | 49.1"                            |
| 11         | 53.0"                            |
| 12         | 53.3"                            |
| 13         | 54.3"                            |
| 14         | 57.0"                            |
| 15         | 57.0"                            |
| 16         | 62.5"                            |
| 17         | 66.5"                            |
| 18         | 71.3"                            |

### **Crop Factors**

| Crop                                  | ET   | Crop                               | ET   |
|---------------------------------------|------|------------------------------------|------|
| Alfalfa Hay                           | 4.02 | Melon, Radish, Squash, & Cucumbers | 1.62 |
| Alfalfa Seed, Sudan                   | 3.60 | Olives, Mature                     | 3.27 |
| Almonds                               | 3.32 | Olives, Deficit                    | 2.58 |
| Apples <sup>1</sup> (Drip)            | 2.50 | Onions and Garlic                  | 1.99 |
| Apples, Pear, Cherry, Plum, and Prune | 3.33 | Permanent Pasture                  | 3.93 |
| Barley Wheat, Oats                    | 1.97 | Pistachios                         | 2.99 |
| Blackeyed Peas                        | 1.97 | Potatoes                           | 3.00 |
| Carrots                               | 2.20 | Rootstock                          | 2.23 |
| Corn                                  | 2.43 | Sorghum Grain                      | 2.43 |
| Cotton                                | 2.70 | Sugar Beets                        | 2.70 |
| Citrus                                | 3.45 | Tomatoes                           | 2.20 |
| Grapes with 40% cover crop            | 1.56 | Walnuts                            | 3.53 |
| Grapes with 60% cover crop            | 2.02 | Cannabis <sup>2</sup>              | TBD  |
| Grapes with 100% cover crop           | 2.24 | Hemp³                              | TBD  |
| Lettuce                               | 2.20 |                                    |      |

| va | lue | det | ermined | l by | local | exper | tise ii | n the | Cuyama | Valley | /. |
|----|-----|-----|---------|------|-------|-------|---------|-------|--------|--------|----|
|----|-----|-----|---------|------|-------|-------|---------|-------|--------|--------|----|

<sup>&</sup>lt;sup>2</sup>Value based on \_\_\_\_

<sup>&</sup>lt;sup>3</sup>Value based on \_\_\_\_.



# Form M MUNICIPAL & INDUSTRIAL

WATER USE ESTIMATE WORKSHEET – 2022 Cuyama Basin Groundwater Sustainability Agency

| Name            |  |
|-----------------|--|
| Billing Address |  |
| Phone / Email   |  |

#### Instructions:

- 1. Calculate water use by inputting units used for municipal & industrial water use in column B (see Exhibit M-1 below to calculate units) for the appropriate corresponding water use categories found in column A.
  - a. Multiply units used (column C) by the water consumption factor in column D and input result in column E.
  - b. Total the gallons from column E and convert to acre-feet on row 13.

С D Ε В Water Units Water Water Use Location Consumption Type of Use (APN, lat/long, or address) Used Use (Gal) Factor (Gal) Χ Chicken Ranches 3.532 1 Livestock Drinking Water 5,520 No. of cows, bulls and horses Χ 2.760 No. of stockers 1,100 No. of sheep and goats Hotels Χ 46,000 No. of rooms Office Buildings; including Churches Χ 38,600 No. of offices Restaurants Χ 5 11,400 Seating capacity **Service Stations** Χ 6 350,000 No. of stations Stores Χ 50 Sq ft of building **Trailer Court** Χ 36,800 8 Avg no. of people **Elementary Schools** Χ 80 No. of students x No. of school days Junior & Senior High Schools, Colleges and Χ 160 10 Churches No. of students x No. of school days Watered Land; non-ag 11 Χ 5 No. of acres Total Gallons (sum column D and/or E) Convert to Acre-feet (Row 12/325,850)

### Exhibit M-1 – Unit(s) Calculations

### **Unit Calculation**

| i  |  |   |
|----|--|---|
|    | Type of Use                                  | Units Used  |
| 1  | Chicken Ranches                              | Avg number of units of 100 chickens on hand for the reporting period.   |
| 2  | Livestock Drinking Water                     | Average number of livestock on hand for the reporting period (drinking water only). Amounts derived from NDSU Extension Service report from July 2015 entitled "Livestock Water Requirements."  |
| 3  | Hotels                                       | Total number of rooms.  |
| 4  | Office Buildings; including Churches         | Total number of offices in building, or offices served.   |
| 5  | Restaurants                                  | Total number of seats including seats at the counter, chairs, stools, benches and patio seating.  |
| 6  | Service Stations                             | Number of stations served.  |
| 7  | Stores                                       | Square feet of any store, supermarket or shop. Calculation includes employee, customer and maintenance water use.   |
| 8  | Trailer Court                                | Average number of people in the trailer court.  |
| 9  | Elementary Schools                           | Total number of students, faculty, custodians, and maintenance staff multiplied by the number of school days. If there was non-ag watered land input amount in row 11.  |
| 10 | Junior & Senior High Schools and<br>Churches | Total number of students, faculty, custodians, and maintenance staff multiplied by the number of school days. If there was non-ag watered land input amount in row 11. For churches, figure total hours and divide by 8 to determine number of "school days." |
| 11 | Watered Land; non-ag                         | All lands, ornamental plants, shrubs, etc., watered but not qualifying for agricultural rate.   |



# Form D **DE MINIMIS USER**

WATER USE WORKSHEET – 2022 Cuyama Basin Groundwater Sustainability Agency

| Name          |  |
|---------------|--|
| Address       |  |
| Phone / Email |  |

### Reporting:

While de minimis users do not have to pay the groundwater extraction fee, they must file their water use, type and well information in the below table. Additionally, the CBGSA requests you fill out a well survey form if you have not done so to-date.

### **De Minimis User Definitions:**

- Commercial Uses 1.5 acre-feet or less in a year per well.
- **Domestic (Non-Commercial)** Uses 2 acre-feet or less in a year per well.

| A       | В  | С  | D                                     | E                               |
|---------|--|--|---------------------------------------|---------------------------------|
| Well ID | Well Location<br>(APN, Address, or lat/long) | Use Type<br>(Commercial or<br>Domestic/Non-Commercial) | Type of Commercial Use *If applicable | Estimated Water Use (acre-feet) |
|         |  |  |                                       |                                 |
|         |  |  |                                       |                                 |
|         |  |  |                                       |                                 |
|         |  |  |                                       |                                 |
|         |  |  |                                       |                                 |
|         |  |  |                                       |                                 |
|         |  |  |                                       |                                 |