

# PowerScore Grow: All Survey Questions

This document previews all the questions, other than periodic open-ended questions about your facility's uniqueness. Most questions are optional, but the more data you put in, the more KPIs you'll get out of the survey.

<https://powerscore.resourceinnovation.org/go-cannabis>

## Describe your cultivation facility

Calculating your PowerScore depends on a few dozen details about your facility. You will need information about your energy bills, lighting equipment, and HVAC systems.

- Which crops do you grow at this facility? Describe each distinct crop your facility produces. Provide each crop a name to track its performance separately.  
(Select all that apply)
  - Cannabis
    - Hemp Fiber
    - Hemp Oil Seed
    - CBD (<0.3% THC)
    - THC (>0.3% THC)
  - Floriculture
    - Finished Plants (perennials, grasses, herbs, ferns, succulents)
    - Young Plants for Wholesale (plugs and cells of varying cultivars like veggies, herbs, perennials)
  - Leafy Greens
    - Lettuce, Arugula, Spinach
    - Macrogreens (Radish, Beet, Cabbage, Kale, Arugula, Mustard)
    - Microgreens (Radish, Beet, Cabbage, Kale, Arugula, Mustard)
    - Genetics (Lettuce, Arugula, Spinach, Radish, Beet, Cabbage, Kale, Mustard)
  - Cole Crops
    - Mustard family including Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Kohlrabi
    - Genetics
  - Specialty Greens
    - Herbs (Basil, Cilantro, Oregano, Lavender, Amaranth, Sorrel, Cress)
    - Genetics (Basil, Cilantro, Oregano, Lavender, Amaranth, Sorrel, Cress)
  - High Wire Fruit and Vegetable Specialty Crop
    - Vine Tomatoes
    - Tomato Genetics
    - Vine Cucumbers
    - Cucumber Genetics

- Specialty (Pepper)
  - Fruit
    - Berries (Raspberries, Blueberries, Blackberries)
    - Strawberries
    - Grapes
    - Melons (Watermelon, Cantaloupe, Honeydew)
    - Genetics
  - Mushrooms
  - Humulus (Hops)
- Which of your facility's growing spaces do you want to track?  
Describe each distinct growing space in your facility for which you want to enter separate data. Naming each space is optional, but it can also help you identify the correct space.
  - What is the type of each growing space?
    - Outdoor
    - Indoor
    - Greenhouse/Hybrid/Mixed Light  
(High and low tunnel environments are considered Greenhouses for the purposes of this survey.)
- Name of facility  
Optional. Will only be used for communication between us and you.
- Facility's postal code
- Last reporting month and year  
The last full month you have complete energy, water, and production information you can report.
- How would you like to enter the measurements or estimates of your space sizes?
  - Square Feet
  - Meters
- How would you like to enter your water measurements or estimates?
  - Gallons
  - Liters
  - CF (Cubic Feet)
  - CCF (100 Cubic Feet)

## Describe your growing environments

Temporary seasonal greenhouse structures such as low tunnels are considered outdoor environments.

- **For Each Growing Space:**
  - What type of environment is Space #1?
    - Indoor or Greenhouse
      - Uses Vertical Stacking?
      - Uses Mobile Racking?

- How many types of light fixtures are used for growing in Space #1? If lights have different wattages, then they are different types.
- Greenhouse
  - ( Ventilated / Sealed )
  - Light Deprivation?
  - Supplemental Electric Light?
    - How many types of light fixtures are used for growing in Space #1? If lights have different wattages, then they are different types.
- Outdoor
  - For each crop, what is the average square footage under production throughout the 12-month reporting period in Space #1?

## Describe your electricity sources and usage

For the most accurate and current results, answer the following questions for the most recent 12-month period.

- Does your reported electricity consumption include non-facility usage, such as a residential dwelling or unrelated business?
  - Please estimate the percentage of your overall reported electricity consumption that is attributable to cannabis cultivation operations. (0-100%)
- Does your facility produce renewable electricity onsite?
  - What types of renewable electricity does your facility produce onsite?
    - Solar PV
    - Wind
    - Other
  - Our numbers are reported as net electricity consumption and include renewable energy production. ( Y / N )
  - **For each month of the reporting year:**
    - Renewable Electricity Generated (kWh)
- Over the 12-month period, how many total annual kilowatt hours (kWh) did your facility use? Enter 0 for any months that you did not consume any electricity from the grid.  
Please report the most recent 12 months of energy consumption, or the previous calendar year's energy consumption.  
**For each month of the reporting year:**
  - Electricity Usage (kWh)
  - Peak Electric Demand ( kW / kVA )
- Would you like to upload images or files of your electricity bill data?
- Does your facility use an electric utility as a fuel source? We're still building a more complete database of utilities and energy providers.
- Do you work with your utility to source your electricity from solar, wind, or hydro?

## Describe your other energy sources

- Did your facility use natural gas in the last 12 months?
  - What is the name of your natural gas utility?
- Does your operation consume other delivered fuels?
  - What delivered fuels does your operation consume?
    - Back up generator
    - Biofuels (cord wood, wood pellets, other)
    - Propane
    - Fuel oil

## Describe your other energy usage

For the most accurate and current results, answer the following questions for the most recent 12-month period.

- **For each month's consumption of the reporting year:**
  - Natural Gas ( Therms / CCF )
  - Back Up Generator ( Gasoline Gallons / Diesel Gallons / Natural Gas Therms / Natural Gas CCF )
  - Biofuels ( Tons / Cords )
  - Propane ( Gallons )
  - Fuel Oil ( Gallons )

## Describe your annual production

- For each crop, what is the total production throughout the same 12-month reporting period?
  - Measure Method
    - Fresh weight
    - Dry weight
    - Number of Plugs/Cells
    - Number of Pots/Baskets
  - Units
    - Kilograms
    - Pounds
    - Hundredweight (cwt)
    - Units

- Annual total production
- On average, how many times will a flower canopy be harvested per year?
  - Perpetual Harvesting
  - 1 - 52
- Generally, how many days is the cycle for each stage in the growth cycle?
  - **For each growing stage:**  
 ( Clone or Mother Plants, Vegetating Plants, Flowering Plants)
    - Stage duration (days)

## Describe your facility's waste management approach

- Over the same 12-month period, how much green/plant waste did your facility dispose of? ( Pounds / Cubic Yards )
- Are you required to mix your green/plant waste with inert material? ( Y / N )
- What does your facility do with any agricultural or growing media waste?
  - Landfill / Dump
  - Recycle
  - Compost
- What does your facility do with supplies and materials waste? (trellis netting, etc)
  - Landfill / Dump
  - Recycle
- How does your facility keep track of compliance waste?

## How would you like to move forward?

- E-mail address  
 We will e-mail your PowerScore, but we will not share your e-mail with anyone.
- Yes, I would like to occasionally receive email updates from the Resource Innovation Institute
- Would you like to support RII's conservation efforts by joining as a member?  
[ResourceInnovation.org/joinwithus/](http://ResourceInnovation.org/joinwithus/)
- Are you considering a lighting, HVAC and/or dehumidification upgrade over the next 12 months? ( Y / N )
- Have you used incentives from a utility program? ( Y / N )
- Would you like to be contacted by your utility representative to learn more about incentives for which you may be eligible? ( Y / N )