

Adesa, LLC Project revisions after receiving our new conditions of approval

Because we need to meet new power requirements imposed by the Planning Commission (80% renewable, with no generator use after two years), we drastically cut down our power system on the project. We summarize below our most significant project revisions to address the newly imposed conditions and other publicly-voiced concerns about the project.

- We will not use the gutter-connect style greenhouses and instead use simple hoop houses for light deprivation techniques. We will reduce our lighting footprint to a 'season extension' model rather than a 'light supplementation' model, which is ML-1 rather than ML-2. This will cap out max wattage at 6 watts per square foot of cultivation area. We will also grow in the ground in beds rather than rolling benches. This drastically cuts our total cultivation square footage as now we would have fixed rows. We hope it is understood that this results in a major loss for our productivity each cycle.
- We will move our drying entirely off-site. This cuts out a major 24-hour power draw during the growing season and leaves only cultivation to be powered by solar. Depending on the exact layout of our new cultivation site, we haven't finalized the widths of beds because this is a very recent design change, our power draw for season extension lighting would only require about 100kwh a day on the high end. This can be provided by as few as 70-100 panels, depending on model, which would be a square footage requirement of 1,232 square feet to 1,760 square feet. As lighting is usually the highest electrical draw, it is clear that we can provide sufficient solar for the new lower light use. We already have 4,241 square feet of rooftop available for solar implementation on the existing barns. With additional fan use or adding a small nursery footprint in the early season, we could maximize rooftop solar and easily provide enough power to stay in the ML-1 category.
- By drastically cutting back our power potential on site we will now only have a 12kw generator for backup power and potential early season use year one as the solar gets installed and also in case there are issues with the solar system. This will reduce our projected diesel use to less than 2,000 gallons for the first two years. Further, this generator will be removed off-site after two years.
- We also will agree to remove the secondary pond which is the 1.077 million gallon pond.
- By moving the drying off site we also do not need to expand the square footage of the existing barns, we would like to propose hard water tank storage on this graded and previously rocked area so that we could cultivate at least a part of our square footage next year and this potential hard water tank storage would also have emergency fire hose attachments and everything ready for emergency fire needs in the future.