

## Attachment 1: FY16 Grant Awardee Recommendations

<u>Awardee Name</u>	<u>County</u>	<u>Maximum MEA Contribution</u>
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<b>Koinonia Organic Farm</b>	<b>Baltimore County</b>	<b>\$32,582</b>
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*Koinonia Organic Farm is one of the oldest certified organic growers in Maryland, in operation since 1951 at the Gramercy Mansion Bed and Breakfast campus in Stevenson, where all gardens are outdoors. The farm will upgrade motor heater fans, vent fans and lighting at three recently acquired greenhouses in Randallstown to supply the increasing year-round demand for Koinonia's certified organic herbs. The measures are estimated to save 53% of the facility's electricity use. An installed solar PV system 94 kW in size will then meet 47% of their remaining electricity needs. The payback on all measures combined is estimated at less than 5 years.*

<b>Hillcrest Nursery</b>	<b>Baltimore County</b>	<b>\$60,787</b>
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*Hillcrest Nursery is a wholesale greenhouse business involved in the production of herbs, annuals, perennials, vegetables, and seasonal items. With earlier MEA support for energy efficiency upgrades including heating, lighting and greenhouse curtains, the nursery will now install insulation upgrades in two greenhouses used for year-round growing of all types of plants. The measures are estimated to save 36% of the facility's energy use and achieve payback in about 7 years.*

<b>Saval Foods Corporation</b>	<b>Baltimore City</b>	<b>\$67,918</b>
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*Deli Brands, a USDA certified beef processing operation, is a wholly-owned operation of Saval Foods Corporation in Elkridge. Its corned beef, roast beef and pastrami products are widely distributed to groceries, food services, restaurants and retail locations. Processes include meat cutting, cooking, grinding and slicing to meet various end-user specifications using proprietary and branded labels in the food service and retail sectors. Upgrades to lighting and refrigeration will save an estimated 49% of the operation's electricity use and achieve payback in less than 2 years.*

<b>Twin Maples Farm</b>	<b>Caroline County</b>	<b>\$40,150</b>
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*Twin Maples Farm, a poultry operation in Ridgely, will upgrade attic insulation and tunnel doors on four existing poultry houses. These measures are estimated to save 62% of the facility's propane use and achieve payback in less than 7.5 years.*

<b>Lease Brothers</b>	<b>Carroll County</b>	<b>\$56,532</b>
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*Lease Brothers, a diversified farm operation with crop and cattle-raising and milking businesses,*

*used earlier MEA support to upgrade its grain dryer, and also has a 200 kW investment in solar PV. The farm will first upgrade lighting, ventilation and a refrigerator. The measures are estimated to save 44% of the facility's electricity use. They will then generate approximately 54% of the facility's needed electricity through a 61.6 kW solar PV array. All measures combined are estimated to achieve payback in about 14.5 years.*

**Milburn Orchards                      Cecil County                      \$60,710**

*Milburn Orchards, a pick-your-own fruit and vegetable farm in Elkton dating to 1902, will make energy efficient cold storage upgrades. The measures are estimated to save about 2% of the farm's electricity use, after which a 125.4 kW solar PV array on the Farm Market and attached cold storage facility will be installed to meet approximately 40% of the facility's electricity needs. All measures combined are estimated to achieve payback in about 15.5 years.*

**Maple Breeze Farm                      Dorchester County                      \$14,625**

*Maple Breeze Farm, a poultry operation in Hurlock, will install insulated brood curtains, tunnel fan doors and radiant heaters in 15 year old broiler houses. These measures are estimated to save 6% of the facility's propane use and achieve payback in about 15 years.*

**Windhill Farm                      Kent County                      \$34,972**

*Windhill Farm, a poultry operation in Millington, will upgrade lighting and heaters in five poultry houses. These measures are estimated to save 43% of the facility's energy use and achieve payback in about 7 years.*

**Rock Hill Orchard                      Montgomery County                      \$31,600**

*Rock Hill Orchard is a diversified farm in Mount Airy with pick-your-own fruits and vegetables, a dairy with on-farm pasteurization and bottling of milk, ice cream, and cheese, and a year-round farm market. The farm will install a plate cooler to precool milk, refrigeration compressor heat recovery, condensing unit and compressed air heat recovery upgrades in the dairy and the on-farm market. The measures are estimated to save 33% of the farm's energy use. They will then install a 133.3 kW solar PV array that is estimated to generate 88% of the electricity required to power the operation. All measures combined are estimated to achieve payback in less than 20 years.*

**Forrest Hall Farm                      St. Mary's County                      \$30,000**

*Forrest Hall Farm, an orchard, greenhouse and agritourism site in Mechanicsville, will make lighting upgrades in its greenhouse. The measures are estimated to save 58% of the facility's electricity use, after which the installation of a 48.98 kW solar PV array on the farm shop will generate virtually all of the electricity needed for net zero electricity performance. All measures*

