

List of Applications Received for 2017 HSP Incentives Program Second Solicitation – Updated April 17, 2018*

| Order | Applicant Organization | Project Description | Grant Funds Requested** | Estimated Cost Sharing** | County | GHG Reduction Estimation (Tonnes CO₂ eq/yr) |
|--------------|---------------------------------------|---|--------------------------------|---------------------------------|-----------------|---|
| 1 | Terra Cultura | The goal of our project is to build healthy soil and to implement greenhouse gas emission reduction strategies including but not limited to establishing cover crops, mulching, implementing no till or reduced till, applying compost, planting hedgerows, and establishing a silvopasture for grazing. | \$14,174.33 | \$7,087.17 | San Benito | 15.7 |
| 2 | ACMII CALIFORNIA 1, LLC (Bixler Farm) | The Recipient will plant over 7,000 feet of hedgerows optimized for native pollinator habitat. The project will help increase quality and yield of blueberry and almond crops, preserving the soil health and carbon sequestration benefits of permanent cropping systems. The Recipient will evaluate project success based on soil health, pollinator abundance and diversity, and crop quality and yields. | \$46,262.22 | \$22,000.00 | San Joaquin | 12.0 |
| 3 | Thomas Donati | This project will apply compost in the Buttes of Sutter County and investigate the local benefits of the conservation practice. The multi-generational ranch uses the project site seasonally as part of a rotational livestock grazing system. They intend to apply compost in the fall to rangeland to improve soil health. The project will reduce GHG emissions and sequester carbon in the soil while supporting a local company who manufactures compost from municipal green waste. | \$49,400.00 | \$26,425.00 | Sutter | 632.0 |
| 4 | Sally Donati | Donati Ranch will apply compost on irrigated pasture and in the foothills of Butte County. As part of the project they will investigate the benefits of the conservation practice. The multi-generational ranch uses the project sites seasonally as part of a rotational livestock grazing system. They intend to apply compost in the fall to annual rangeland and irrigated pasture in the summer to improve soil health with the assistance of the CDFG Grant. The project will reduce GHG emissions by putting local green waste to better use, while supporting a local company who manufactures compost. | \$49,950.00 | \$28,425.00 | Butte | 637.9 |
| 5 | Chico Flax LLC | On a site newly established for fiber flax production, we will incorporate cover cropping, mulch, and multispecies hedgerows to improve soil health, provide wildlife and insect habitat, sequester carbon and minimize greenhouse gas emissions. Our fiber flax development project, carried out in collaboration with CSU, Chico Department of Agriculture, will utilize this 3.75-acre parcel as a prototype of sustainable flax production in our region. | \$10,684.29 | \$4,960.00 | Butte | 2.3 |
| 6 | Fat Uncle Farms | The goal of the Deep Creek Regeneration Project is to implement a farm system in which natural ecosystem processes enhance the nutrient and water cycles as well as overall health and productivity of the plant community. We expect to measure annual increased total nutrient yield (nutrient density x net productivity), soil organic matter, water holding capacity, and above and below ground biodiversity. | \$49,538.10 | \$25,000.00 | Modoc | 50.0 |
| 7 | B&W Farm LLC Angels Farm | The project is to implement compost application, cover crop and hedgerows practices to achieve the goals of improving soil health and water use efficiency. Compost (C:N> 11) and legume cover crop increase input of biomass in the soil. Hedgerows around the fields will help reduce wind speed and the risk of wind erosion. | \$26,183.22 | \$10,000.00 | San Diego | 87.2 |
| 8 | Fairhaven avocado | Mulch will be applied with the goal of lowering power costs and improving soil health. Desired outcomes will be measured by the use of tensiometers to track soil moisture levels and monitoring yield and output. | \$5,848.40 | \$2,925.00 | San Luis Obispo | 2.0 |
| 9 | Michelle Rossow | Soil health practices such as cover cropping, crop rotation, compost application, and conservation tillage provide synergistic environmental and economic benefits. This project will evaluate the synergistic impacts of implementing cover crop, compost application, and reduced till. The grant team will evaluate profitability of implementing the proposed practices over the course of the project. The goal of the project will be to improve plant health and yields, increase water infiltration and retention, sequester and reduce greenhouse gases, reduce sediment erosion and dust, improve water and air quality, and improve biological diversity and wildlife habitat. | \$50,000.00 | \$31,884.40 | Merced | 374.6 |
| 10 | Seth Rossow | Soil health practices such as cover cropping, crop rotation, compost application, and conservation tillage provide synergistic environmental and economic benefits. This project will evaluate the synergistic impacts of implementing cover crop, compost application, and reduced till. The grant team will evaluate profitability of implementing the proposed practices over the course of the project. The goal of the project will be to improve plant health and yields, increase water infiltration and retention, sequester and reduce greenhouse gases, reduce sediment erosion and dust, improve water and air quality, and improve biological diversity and wildlife habitat. | \$50,000.00 | \$83,812.18 | Merced | 706.0 |
| 11 | Wallace Brothers | This project will implement compost application to fields intended for organic tomato production. This project includes two fields totaling 282 acres near Colusa, CA. Both fields were previously used for rice production. The fields have been converted to row crop production with drip irrigation and are in process of being certified for organic production of tomatoes. Overall soil health after years of rice production had left soil condition in overall poor condition and depleted in most important soil nutrients. Addition of compost is expected to provide soil organic matter as well as needed soil nutrients. | \$50,000.00 | \$69,040.00 | Colusa | 1252.0 |
| 12 | Speth Walnuts | This project consists of an ongoing annual cover crop practice combined with the addition of composting. | \$3,360.00 | \$15,000.00 | Colusa | 52.1 |
| 13 | Double A Walnuts | In 2005, we acquired a Walnut Orchard that had been abandoned and neglected for several years. Step by step, we have worked since then to implement sustainable conservation techniques to bring the soil and the orchard back to a healthy ecosystem. With the support of the Healthy Soils Grant, we will be able to continue converting the farm toward organic production and continue to decrease our use of chemical fertilizers and pesticides. | \$43,086.16 | \$21,343.08 | Colusa | 556.0 |
| 14 | Spring Creek Vineyard | The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 24.55 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 39.00 tons of CO ₂ equivalent per acres. | \$5,133.65 | \$4,127.10 | San Luis Obispo | 39.0 |

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| 15 | Xline Vineyard John Peck - Owner | The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 82.5 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 130.10 tons of CO ₂ equivalent per acres. | \$16,897.50 | \$13,515.00 | San Luis Obispo | 130.1 |
| 16 | Gateway Vineyard | The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 77.05 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 120.10 tons of CO ₂ equivalent per acres. | \$15,791.15 | \$12,632.10 | San Luis Obispo | 120.1 |
| 17 | Plummer Vineyard | The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 67 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 102.1 tons of CO ₂ equivalent per acres. | \$13,751.00 | \$11,004.00 | San Luis Obispo | 102.1 |
| 18 | Serventi Ranch | The project will plant legume and non-legume crops on alternating tree rows each fall. Mulching – place wood chips under each of our tree rows to control weeds, conserve moisture, and increase carbon sequestration. Hedgerow – add hedgerows that divide our property into different productive zones and to support bee colonies and provide other ecosystem service. | \$20,230.00 | \$8,500.00 | Santa Cruz | 7.8 |
| 19 | Plummer Vineyard | The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 67 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 102.1 tons of CO ₂ equivalent per acres. | \$13,751.00 | \$11,004.00 | San Luis Obispo | 102.1 |
| 20 | Flight Investment Vineyards | The recipient will implement soil management practices to promote soil health, increased organic matter, increased water holding capacity, and greenhouse gas reduction on 30.73 acres of wine grapes. Certified compost will be banded and hydraulically ripped into the root zone of the vines. Soil samples will be taken annually to monitor soil health and changes due to management losses from harvesting. This project is expected to reduce GHG emissions by 48.10 tons of CO ₂ equivalent per acres | \$6,538.19 | \$5,278.26 | San Luis Obispo | 48.1 |
| 21 | Woods Conservation | - | - | - | Santa Cruz | 1.1 |
| 22 | Bolin Farming Company | 230 acres on Chadbourne Road in Fairfield, CA. In 2013, we acquired a parcel that had been abandoned and neglected for several years. Step by step, we have worked since then to develop irrigation and drainage improvements to bring the soil and the pasture back to a healthy ecosystem. With the support of the Healthy Soils Grant, we will be able to continue farm in organic production and continue to improve yields, soil quality, and grazing capacity for the ranch. | \$50,000.00 | \$25,000.00 | Solano | 617.6 |
| 23 | The James and Victoria Lawrence Spousal Lifetime | Compost on orchard at Lawrence Longshadow Ranch | \$28,707.30 | \$14,353.65 | Contra Costa | 350.0 |
| 24 | Bordessa Family Dairies | The project is to improve soil health and sequester carbon through application of compost on 134 acres of rangeland used for grazing organic dairy cows. Additional project outcomes include the reduction of atmospheric greenhouse gases (GHG) and improved pasture production and nutrient content. | \$49,914.00 | \$58,987.00 | Marin | 603.6 |
| 25 | Sequoia Farms | We will apply compost to 38 acres of 2-year-old conventionally managed walnuts and use light tillage before applying the seed for a legume cover crop to the 2-year-old orchard. Once this cover crop is established we will no longer till throughout the orchard. On an adjacent field, the farmer will plant a hedgerow consisting of native plants, grasses, and trees to provide year-round habitat for beneficial insects and wildlife, as well as reducing noise and air pollution. | \$49,016.92 | \$12,687.80 | Solano | 104.0 |
| 26 | Cowley Ranch. | Building a wind break shelterbelt and hedgerow along a county road alongside grazing pasture land. This wind break and hedgerow will provide much needed shade, carbon sequestering, and habitat for the area. | \$16,924.00 | \$100.00 | Siskiyou | 4.0 |
| 27 | Sun Drenched Organics LLC | The project includes compost application, cover crops, and mulching practices for nutrient enrichment and transpiration conservation, and hedgerow plantings and natural wind barriers to reduce erosion. The environmental practices will create a healthy soil biosystem, support wild life and native environment preservation, preserve the health of the creek on the land, reduce GHG, and retain moisture, reduce transpiration, and retain soil, reducing erosion. | \$12,715.14 | \$7,800.00 | San Diego | 45.4 |
| 28 | Corral De Piedra (Kelly Keene) | Our goals are to continue implementing, maintaining and sharing practices that build soil health and increase water retention. The plan to evaluate and measure success are to maintain our systems properly and track their progress through soil testing, ground water analysis and overall productivity of the farm. | \$37,396.93 | \$35,391.83 | San Luis Obispo | 34.4 |
| 29 | Swift Subtropicals | Swift Subtropicals is a small diversified farm with goals of sustainability and biodiversity. Potential project practices include: 1) Application of compost to grazed rangelands, crop lands and perennial crops/orchards, 2) mulching perennial plants, and 3) planting a Riparian Forest Buffer. Soil testing and overall health of the land will highlight results. With proven positive results, Swift Subtropicals can implement programs on a larger scale. | \$14,576.46 | \$23,745.00 | San Luis Obispo | 114.6 |
| 30 | Lucky Dog Farms, LLC | The Farm will improve its hay production and soil health by implementing a suite of conservation practices on over 95 acres such as cover crop, woody planting establishment (windbreak and riparian forest buffer) as well as compost application. | \$36,717.98 | \$26,919.00 | Tehama | 19.0 |

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| 31 | Le-Fort's Organic Crops | The project will include 1) the application of compost on fruit orchards and annual crop fields; 2) the installation of a riparian forest buffer between crop fields and the Huer Huero Creek and a herbaceous cover to replace irrigated cropland adjacent to the creek in order to prevent runoff of sediments and nutrients and provide other ecosystem services, and 3) planting cover crops on an area of farm previously only used for equipment storage and chicken pasture in order to increase soil organic matter content, promote biological nitrogen fixation, increase biodiversity and increase soil water retention, with the goal of utilization of the area for cultivation of pilot crops. The project will evaluate soil organic matter content, soil moisture levels, crop quality and yields, and soil stability and wildlife in the creek bed. | \$7,860.94 | \$4,650.00 | San Luis Obispo | 11.0 |
| 32 | Ryan Williams | The Williams Ranch will implement conservation management practices over two ranches (Le Grand Ranch & Winton Ranch). These practices include no-till, compost applications and legume cover crop that sequester carbon, increase organic matter, improve soil water infiltration and reduces soil erosion. The legume clovers (Strawberry Clover & White Clover) have the added benefit of nitrogen fixing root system to improve available nitrogen to the crop. | \$49,432.91 | \$18,672.44 | Merced | 256.8 |
| 33 | Stubbs Vineyard | The application of compost on a large scale has not been practiced on the vineyard and could be an important method to improve soil health, sequester atmospheric carbon, and reduce GHGs. We are also looking to add a cover crop application which has not previously been implemented on Stubbs Vineyard, to improve soil health, sequester atmospheric carbon and reduce GHGs. | \$5,068.04 | \$2,368.00 | Marin | 51.8 |
| 34 | Progressive Pastures, LLC | The proposed project consists of establishing a single row, hedgerow along the border of Field 6 located on the western property line adjacent to State Highway 1. The goal is to establish a hedgerow along a mature single row windbreak, creating a multifunctional windbreak. This will fill in the through winds bridging the gaps. | \$14,256.00 | \$5,204.00 | Marin | 4.0 |
| 35 | Center for Urban Agriculture at Fairview Gardens (FVG) | This project aims to introduce a third, more elaborate and potentially more biologically, environmentally, and economically beneficial practice for the small-scale farm. Wine cap mushrooms will be propagated in a sterile medium and broadly applied to an asparagus production field. Organic straw mulching will be applied to control weed growth, maintain soil moisture, and provide a dark environment for mushroom fruiting. We anticipate improvement in soil microbiological activity, water infiltration and holding capacity, reduction in soil compaction measurements, and ultimately, an additional and profitable product to supplement farm income. | \$359.22 | \$155.00 | Santa Barbara | 0.1 |
| 36 | McClelland Dairy | This project will implement two conservation practices—compost application on 43.31 acres of annual grassland and the restoration of 2.6 acres riparian forest buffer along a tributary to Stemple Creek and. The basis for implementation is the McClelland Dairy Carbon Farm Plan on the McClelland's 344-acre Home Dairy. The goals of the project are to improve soil health and provide co-benefits. The project outcomes include increasing soil organic matter, water retention capacity. | \$40,544.73 | \$47,010.72 | Sonoma | 198.2 |
| 37 | Dixon East, LLC | The Recipient will plant cover crop to assist in the need for weed suppression, dust control, compaction management, water infiltration and holding capacity, and address potential runoff. The Recipient will apply compost to the orchard for increased soil health and organic matter. With a goal of implementing more sustainable farming practices, the project will be evaluated annually to ensure desired outcomes of increased soil health for the trees, lower greenhouse gas emissions and improved air quality. | \$17,458.68 | \$12,664.00 | Solano | 130.1 |
| 38 | Rafter Eleven Livestock LLC | Application of compost on property to enhance soils that will, in turn, increase yields. | \$38,884.00 | \$19,442.00 | Alameda | 474.7 |
| 39 | Treborce Vineyards | The Vineyard and both the Agricultural and non-ag Community need healthy and well maintained vineyards and vines to improve their lives and the area they live and work in each day. Cover Crops and Compost increase the bio-diversity of the parcel and hence the neighborhood by attracting beneficial insects and pollinators and birds. All of these things together make our world a better place to live and improve the surroundings and diversity for future generations | \$6,651.20 | \$4,697.50 | Sonoma | 19.0 |
| 40 | Howe Family LP | A three-year project to apply compost as the primary source of nutrients and a cover crop for 240 acres of conventional almond orchards. The purpose is to improve soil health, water retention, soil permeability, carbon sequestration, biodiversity and reduce greenhouse gasses. | \$50,000.00 | \$400.00 | Kings | 388.2 |
| 41 | Meridian Road, LLC | The Recipient will plant cover crop to assist in the need for weed suppression, dust control, compaction management, water infiltration and holding capacity, and address potential runoff. The Recipient will apply compost to the orchard for increased soil health and organic matter. With a goal of implementing more sustainable farming practices, the project will be evaluated annually to ensure desired outcomes of increased soil health for the trees, lower greenhouse gas emissions and improved air quality. | \$32,258.40 | \$19,840.00 | Solano | 184.2 |
| 42 | John Hanson, Jr. – Willow Creek Ranch | Willow Creek Ranch will plant 8.06 acres of woody plants (medium to large cuttings) under the riparian forest buffer conservation practice in a grassland area along two waterways in order to sequester carbon, increase plant diversity, provide riparian shade and ground cover, increase rooting diversity to support soil microbial populations, and provide wildlife habitat. In addition, organic soil carbon levels will be measured pre- and post-planting, along with standardized avian point counts to determine habitat functionality. | \$50,000.00 | \$16,688.56 | Lassen | 13.0 |
| 43 | Marie Hoff dba Full Circle Wool | Full Circle Wool proposes a one acre to implement several key carbon farming practices in order to increase carbon capture, improve soil and forage quality, and increase water holding capacity on site. Proposed practices include compost application, mulch application, cover crop seeding, and hedgerow establishment. We will measure the success of this project both quantitatively through soil sampling and qualitatively through visual assessment of forage type and density. | \$3,154.92 | - | Mendocino | - |
| Sum | | | \$1,152,476.98 | \$770,738.79 | | 8,553.92 |

Applications are posted in the order of time received. All applications are currently under review and must meet the minimum qualifications before selected for awards.

* Information as submitted by applicants.

** Subject to change based on evaluation of Project Budgets by CDFR.