Organics Grant Program

Cycle 4, Fiscal Years 2018–19 and 2019–20

Submitted Application Listing

Applicant Name	County	Requested Funds	Project Summary[i]	Priority Populations Benefits[ii]
Butte County	Butte	$3,000,000	Butte County is in the process of establishing processing capacity for organic materials diverted from disposal in the County. The Butte County Covered Aerated Static Pile (CASP) Composting Facility and Food Rescue Project includes the following: 1) The development of a 150 tons per day composting facility at the Neal Road Landfill in Paradise. The facility will process green waste, food scraps, digestate, and agricultural wastes that currently are disposed at the Neal Road Landfill into about XX tons of nutrient rich compost. The County estimates that XX metric tons of carbon dioxide equivalent emissions will be reduced through this project. 2) The second part of this project includes a partnership with the North State Food Bank in Oroville to expand their food rescue program to provide an additional 1 million pounds of rescued food annually to serve low-income communities in Butte County.	Yes
Orange County	Orange	$3,000,000	OC Waste & Recycling (OCWR) proposes to implement a composting operation at the Frank R. Bowerman Landfill (FRB) called the Bee Canyon Greenery Composting Operation (BCG). BCG will receive a maximum of 210 tons per day (TPD) of	No

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			processed green material and processed agricultural material. FRB currently receives this material and it is being used as Alternative Daily Cover (ADC). This project will result in a reduction of 69,873 MTCO2e GHG emissions. This project will create an estimated 190,648 tons of compost over 10 years.	
The Compost Company	San Diego	$633,705	The Compost Company is a Woman owned small business working to build out mid-scale, decentralized composting hubs in San Diego County. Countywide, San Diego has extremely limited organics recycling facilities with only pilot-level facilities that can take a small portion of food waste. Almost all food materials in the County are sent to landfills. Finding purchasable land in San Diego County that is zoned for organics recycling and is affordable is almost impossible. The Compost Company has worked to create a replicable compost processing facilities that will operate within the zoning and permitting exemptions - on less than 750 square feet and with under 100 cubic yards of all materials on site at any given time and using a fully enclosed vessel for all operations. Operating in these exemptions make it possible to build out many mid-scale composting hubs on farmland, community gardens, or other mutually beneficial locations without experiencing long delays, and with the added benefit of having a tightly controlled operation as to not become a nuisance to neighbors or partner organizations. If awarded, the grant funding from the California	Yes

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			Department of Resources Recycling and Recovery will be used by The Compost Company to build out their second and third compost processing hubs in North County San Diego. One will be located on a small family farm in Encinitas, CA called Aschbrenner Acres and the second on a non-profit farm in Vista, CA called Solutions Farm. Each composting hub will haul pre- and post-consumer food waste from nearby restaurants directly to the local composting hub where it is composted into a high-quality soil amendment valuable for farmers, gardeners, and landscapers to apply to their land. These grant-funded hubs will haul and process food waste from Encinitas restaurants to start, as The Compost Company has preliminary approval from the City of Encinitas to haul food waste, and will soon be receiving a franchise hauling agreement from the City. Additionally, The Compost Company has support from the Encinitas Mayor for this local business. This application asks that the Organics Grant Program fund the build out of The Compost Company's next two composting hubs. These two hubs would divert 2,140 tons of food and green waste to landfill each year, add 1,200 tons or 2,400 cubic yards (accounting for material shrinkage during decomposition) of soil amendment to the market each year, and reduce 720 MTCO2e of greenhouse gases, namely methane, per year both during and after the grant term. The Compost Company avoids additional emissions in that	

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			processing this organic waste in the decentralized model dramatically reduces transportation emissions, and the in-vessel composter allows for processes to be done by solar and small biodiesel generators instead of large, high-polluting farming equipment. Finally, it opens the doors to creating an emission-free operation as The Compost Company plans to experiment with biofilters for the small amount of carbon dioxide this process will emit. About the Operations: By using a fully enclosed vessel system, the amount of food and green waste that can be composted into soil amendment while staying under 750 square feet is maximized, while almost completely eliminating common nuisances such as odors, vermin, rodents, flies, and leachate. Each hub can take in 6 cubic yards, or approximately 3 tons, of organic waste per day for a total of 1070 tons per hub per year. As almost all food waste and much of the green waste in San Diego County currently goes to landfill, everything processed on these new composting hubs will be diverted from landfill. The Compost Company operates by directly collecting organic waste from restaurants after training the restaurants on proper source separation and non-contamination. They then haul the organic waste to the local composting hub where it is loaded directly into a mixer with an added electromagnet to separate any accidental metal	

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			contaminants. The mixer blends together the restaurant organic waste with drop-off green waste, wood chips, and inoculants in the proper quantities for expedited compost processing. The mixer then directly loads a fully enclosed screw auger which loads material into the vessel. The vessel fully encloses the compost mixture until proper pathogen-eliminating temperatures have been reached. The vessel rotates on a pre-determined schedule and has a forced air blower to keep mixture properly aerated. The vessel is equipped with sensors to track temperature, moisture, and oxygen levels so that the environment can be consistently tweaked to be an ideal environment for natural decomposition processes to occur. No heat is added to the process to ensure that organic matter is not dehydrated or artificially heated in any way, and instead microorganism activity provides heat and active decomposition. Once decomposed, the vessel unloads through a double sifter to pull any smaller plastic contaminants out, into 2 cubic yard curing bins which have aerating side panels and allow the soil to sit and mature without cutting off access to air, but allowing for the transport of the product to The Compost Company's warehouse to finish curing. If the facility receives too much organic waste on any given day, there are overage bins available with bokashi antimicrobial to contain it. Bokashi acts to anaerobically ferment the organic waste, then once it is added back into an aerobic	

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			composter, it acts as a bacterial inoculant to speed the composting process. The operations have been optimized to obtain maximal throughput while still maintaining exemption status, be easily replicable, and allow for just one to two operators to run each hub. The intent of this project was to equip the State of California with a proven method to expand high-throughput, small-footprint decentralized composting processing sites throughout the State. Finally, The Compost Company has in-house biological soils testers and works directly with Dr. Elaine Ingham of the Soil Foodweb to ensure each batch of compost meet minimum performance standards of biological activity to sell amendments as BioCompleteTM compost. The end product is therefore of the highest quality possible for a variety of value-add needs such as revitalize depleted soils, sequester the highest amount of carbon, and retain water from rainfall to reduce runoff and landslide events that California has grown accustomed to.	
City of Modesto	Stanislaus	$2,998,848	The City of Modesto currently has a 50+ acre permitted (CalRecycle, San Joaquin Valley Air Pollution Control District and State Water Resource Control Board) composting facility since 1997. The facility processes approximately 53,000 tons annually of residential, commercial and forestry yard waste materials. It is in dire need of infrastructure improvements and new material processing equipment to meet SB-1383 requirements and to process current	Yes

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			organic materials to reduce greenhouse gas emissions statewide. The improvements will include an electrical substation to power material processing equipment up to our maximum annual permit of 120,000 tons per year, as well as, a densimetric table to combat contamination with an influx of residential organic materials, and an electric power screen to be able to move more material through the site. Without this grant it will not be feasible to add any additional tonnages to this site.	
Ergostech Renewal Energy Solutions	Tulare	$3,000,000	The proposed project consists of a biohydrogen production facility in which organic wastes are processed into both biohydrogen and biogas, with additional biohydrogen extracted from the biogas using gas treatment equipment. The feedstock used are animal manure (2,800 ton/day) and sludge used as alternative daily cover (658 kg/day). The process will result in a production capacity of 3,800 kgH2/day, avoiding 87,418 metric tons of CO2e in five years of operation.	Yes
SANCO Services LP	San Diego	$3,000,000	The SANCO Anaerobic Digestion Project (SADP) is building a new, CEQA-approved $42,400,000 anaerobic digestion (AD) system at the Escondido Resource Recovery (ERR) facility; the proposed project will deploy $6,194,280 of equipment vital to the SADP. When fully operational, the SADP will divert 23,250 tons per year (TPY) of food waste from landfills. Over the course of the SADP's 20-year lifetime it will divert 453,538 tons of food waste from landfills, equivalent to 176,889 MTCO2e of	Yes

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			greenhouse gas emissions. The SADP produces value-added products: biomethane, biofertilizer, and compost. Yearly production of biomethane will be 146,056,841 scf/year (73,343 MMBTU/year); 50,165,498 scf/year (25,534 MMBTU/year) of that amount will be directly from the diverted food waste. Bio-fertilizer production will be 74,400 TPY of solid bio-fertilizer digestate and 6,600 TPY of liquid bio-fertilizer digestate. Compost production will be 36,000 TPY.	
Recology Blossom Valley Organics - South	Kern	$3,000,000	Recology Blossom Valley Organics - South (RBVOS) would use the grant funds to install a state-of-the-art pre-processing system at the RBVOS compost facility. The pre-processing system would allow the acceptance of unprocessed material and would reduce contamination on the front end of the composting process. The pre-processing system will allow municipal food and green waste to be converted into high-quality compost, most of which is purchased and applied by farmers in the local San Joaquin Valley agricultural market.	Yes
Zanker Road Resource Management, Ltd.	Santa Clara	$3,000,000	The Z-Best Composting Facility is currently processing 405,000 tons yearly of MSW Compostables and yard trimmings. The facility modernization will allow the operation to process yearly an additional 99,970 tons of organics from both commercial and Multifamily MSW, residuals and non-marketable fiber and other organics from the GreenWaste Recovery MRF in a more controlled environment. The modernization will dramatically reduce the odor impacts of the facility and also provide the installation of a new entrance and	Yes

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			traffic lights to the facility that will increase the safety on Highway 25. Compost and mulches shall be recovered from the organics and an annual 20,938 net MTCO2e GHG reduction is anticipated.	
Orange County Sanitation District	Orange	$3,000,000	The Orange County Sanitation District (OCSD) intends to construct an Interim Food-Waste Receiving Facility at Plant No.2 in Huntington Beach to accept up to 150 wet tons per day (wtpd) of pre-processed source separated organics.This project will promote wider adoption of Food-Waste Co-Digestion technology which will create a usable fuel. Digester gas produced from the facility will be fully utilized in OCSD's existing Central Power Generation System to produce power for onsite electrical loads and reduce the overall electricity that OCSD must purchase from the electrical grid to power the operations of their facility. The digester gas produced from the facility will be used to produce more than 6,928,922 kWhs of electricity to service the OCSD Plant No.2 electrical load, resulting in a GHG reduction of more than 10,633 MTCO2e annually.	No
Grand Central Recycling & Transfer Station	Los Angeles	$3,000,000	Grand Central Recycling and Transfer Station is in the process of adding additional equipment and expanding its existing facility to include approximately 35,800 square feet of additional organics processing space. The new expansion will include 500 tons of organics green waste capacity and 100 tons of organics slurry processing which will significantly reduce the processing of organics waste in the area.	Yes

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			Grand Central Recycling and Transfer Station will incorporate a Pre-Processing System at their current Recycling and Transfer Station in the City of Industry for processing commercial co-collection of food waste. The Project would dramatically increase the amount of materials collected through co-collection of organics including commercial green waste not currently diverted and commercial food waste from all organics waste generators. It is estimated that approximately 70,000 tons of quality compost will be produced using the organics feedstock to accelerate the composting of curbside green waste to make a more nutrient-rich and quality material.	
Orange County	Orange	$3,000,000	OC Waste & Recycling (OCWR) proposes to implement a composting operation at the Prima Deshecha Landfill (Prima) called the Capistrano Greenery Composting Operation (CG). CG will receive a maximum of 204 tons per day (TPD) of processed green material and processed agricultural material. Prima currently receives this material and it is being used as Alternative Daily Cover (ADC). This project will result in a reduction of 68,396 MTCO2e GHG emissions over 10 years. This project will create an estimated 186,617 tons of compost over 10 years.	No
Mid Valley Recycling, LLC	Fresno	$1,000,000	MVR will divert 11,550 tons of new organic waste per year from Riverdale Public Utilities District, 14 school districts, Fresno State University, Central California	Yes

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			Food Bank, and industrial foodwaste processors. MVR's compost facility is already up and running but requires additional pre-processing equipment to increase organics recovery rate from commercial organics. Two key pre-processing equipment have been identified as the most appropriate to suit MVR's needs: The Turbo Separator and Tub Grinder. The Turbo Separator has gained recognition across California in its ability to successfully remove packaging contaminates from food waste. The new Tub Grinder has a cleaner engine and far exceeds the operational capabilities to handle green and foodwaste. This project also includes two separate Community Benefits agreements to provide benefits to the community through Kerman Unified School District and Kerman Community Service Organization.	
City of Sunnyvale	Santa Clara	$3,000,000	The City of Sunnyvale proposes to construct a building enclosure for the existing food waste processing equipment at their Sunnyvale Materials Recycling and Transfer Station and construct a sludge blending tank at their adjacent Water Pollution Control Plant (WPCP). These improvements, along with increased outreach and partnership efforts with both the City's own customers and South Bayside Waste Management Authority, will increase organics diversion by 18,162 tons per year and reduce GHG emissions by 45,990 MTCO2e over the first 10 years of operation. Food waste slurry will be co-digested at the WPCP, generating power to run the treatment facilities.	Yes

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Marysville Community Organics, LLC	San Francisco	$3,000,000	The Marysville Community Compost Project represents an opportunity for Marysville Community Organics, LLC and partner StormFisher to acquire and expand a 26-acre compost operation in Yuba County, CA. Such as facility would help meet the increasing demand for organics diversion and need for organic amendments to support healthy soils in California (driven by laws SB1383, AB1594 & AB876) as well as helping to address the void in the local compost market surrounding Yuba County. After a two-phase expansion, the facility will be able to accept 125,000 tons per year of green waste and produce 75,000 tons per year of high-quality compost via aerated static pile composting with the compost being solid to local homeowners through a retail yard, bulk to landscape yards/nurseries/farms and golf courses as well as the colocation of a bagging operation that would sell to the greater Northern California retail market. Upon completion of Phase 1, the Marysville Community Compost Project will receive 75,000 tons per year, with 45,000 tons per year converted to high-quality finished compost, 11,250 tons per year overs to land application, this leaves 525 tons per year of residuals that will go to landfill.	Yes
Rialto Bioenergy Facility, LLC	San Bernardino	$3,000,000	In partnership with Waste Management, the University of California, Southwest Gas, Anaheim Public Utilities, WM Lyles, Momentum, and the Community Action Partnership of San Bernardino County (CAPSBC), Rialto Bioenergy Facility LLC (Applicant)—a wholly owned subsidiary of Anaergia—seeks funding to install	Yes

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			a second organic / food waste receiving and organics polishing (i.e., cleaning) process chain that will double the waste management and renewable natural gas (RNG) production capacity of the Rialto Bioenergy Facility (RBF), currently under construction. The new process chain will remove residual plastic films, grit, and other contaminants from 300 tons per day (tpd) of food waste that is currently landfilled as mixed municipal solid waste (MSW). After cleaning, the organic material will leverage available capacity in an advanced, high-solids anaerobic digester—currently under construction—to generate 2,547,659 DGE/yr of new RNG production, while providing multiple direct economic, educational, and social benefits to surrounding disadvantaged communities.	
Math Science Nucleus	Alameda	$1,500,910	The Masonic Compost/Reforestation Project is seeking funds to expand by 10 fold its thermophilic, aerobic compost operations for reforestation and future organic farming (http://msnucleus.org/Masonic/index_masonic1.html). The expansion will allow us to develop strategies in the nearby low-income community to increase our food waste input through education while providing jobs. Total GHG emissions reductions from 2020 – 2030 will be 15,922 MTCO2e, with 1,437 MTCO2e being reduced during the grant term through 2022. All organic waste brought to the project site will be processed by two high capacity Earth Flow compost systems provided by Green Mountain Technology. Total newly diverted organic waste composted due to	Yes

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			project expansion is 2,500 TPY and total annual compost created will be 1000 TPY.	
Keith Day Company, Inc.	Monterey	$3,000,000	This project will transition the existing windrow composting facility to a covered aerated static pile system capable of accepting approximately 250 tons per day with the ability for future expansion at a later date to accommodate up to 500 tons per day. The proposed project will allow for an additional estimated 23,350 tons/year of newly diverted green waste from landfills along with the existing feedstock already composted at the site and composted elsewhere for a new GHG benefit of 245,777 MTCO2e over the 10 year projection. When fully ramped up, the proposed project will produce approximately 78,000 tons/year of compost and 156,000 tons/year of compost if expanded further.	Yes
Otay Landfill, Inc.	San Diego	$3,000,000	Otay Landfill Inc. is proposing to build and operate a 60,000 tons per year GORE covered composting system to process green and foodwaste currently received for disposal into a beneficial compost product. The composting system is co-located at the landfill and has obtained the necessary CEQA and land use approvals to operate this state-of-the-art composting system. Otay selected this technology due to its proven success in demonstrating superior operational control and efficiency while reducing potential emissions and odors. This grant will be used to purchase to the GORE compost system.	Yes

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HZIU Kompogas SLO, Inc.	San Luis Obispo	$3,000,000	Hitachi Zosen Innova USA (HZIU) seeks funding to deploy equipment critical to the operation of the Lancaster Organic Waste Conversion (LOW-C) facility, located at Waste Management's (WM) Lancaster Landfill and Recycling Center in Lancaster, California. LOW-C will divert 68.3 tons/day (t/d)—24,936 tons/year (t/y)—of food waste from the landfill and 147.6 t/d—53,866 t/y—of green waste from use as alternative daily cover (ADC). LOW-C will route this waste to a new high-solids anaerobic digestion (AD) system, where it will undergo conversion into 213,606 MMBTU/year of ultra-low-carbon renewable natural gas (RNG)—equal to 4,589 diesel gallon equivalents (DGE) per day or 1,675,341 DGE/year. HZIU will inject the RNG into the Southern California Gas Company (SoCalGas) pipeline for use as transportation fuel.	Yes
City of Manteca	San Joaquin	$800,000	The City of Manteca has currently invested and spent more than $18,000,000 to develop infrastructure for the city's Waste-to-Fuel Program (Program). The Program will utilize captured organic waste streams, convert those streams to Renewable Natural Gas (RNG) to power both public and private vehicles. Currently the City is producing and utilizing approximately 400 diesel gallon equivalents (DGE) of RNG for on road transportation fuel. To fully utilize existing Program infrastructure the City is seeking grant funds for development of food waste pre-processing equipment. The addition of food waste will increase RNG production to the current design	Yes

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			capacity of 1,000 DGE of transportation vehicle RNG per day.	
Lakeside BioGas, LLC	San Diego	$3,000,000	Lakeside BioGas, LLC will build a 3 MW food waste digester in Lakeside, CA that will newly divert 67,700 tons of organic waste annually. The project is expected to result in 12,505 MTCO2e of GHG emission reductions each year, over the 20-year project life. In addition, the project will generate 24,440,000 kWh/year, as well as 15,600 tons per year of a nutrient's product for landscape and/or agricultural use.	Yes
City of Riverside	Riverside	$3,000,000	The City of Riverside Organic Waste Diversion and Digester Project (Project) in Riverside, California, will substantially reduce the amount of California-generated food materials sent to landfills and will avoid at least 118,560 MTCO2e of greenhouse gas emissions over the Project's lifetime. The Project will divert 24,700 tons of food material per year, currently sent to Riverside County's Badlands and Lambs Canyon landfills, to a renovated anaerobic digester at the Riverside Water Quality Control Plant (RWQCP). Specifically, the Project will deliver the food waste to a new pre-processing facility and then to a renovated anaerobic digester, Digester 5, at the RWQCP to produce bioenergy to help power the RWQCP—further reducing methane and greenhouse gas emissions. The City of Riverside (City), the lead applicant, will partner with Burrtec Waste Industries (Burrtec), a California company that provides commercial, industrial, and residential collection services for the	Yes

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			City through a franchise agreement. Burrtec will will collect the Source Separated Organics (SSO) from the City's commercial customers and deliver it to the proposed Robert A. Nelson MRF and Transfer Station pre-processing facility and then to the renovated anaerobic digester at the RWQCP.	
Consolidated Disposal Service, LLC dba Innovative Waste Control	Los Angeles	$1,833,814	Consolidated Disposal Service LLC dba Innovative Waste Control is proposing to install a Thor Separator at its existing, fully permitting transfer station to receive and process 75 tons of foodwaste per day. The organic slurry produced by this pre-processing system will be sent to the Agromin OC Chino composting facility to be converted into compost product. These facilities are vertically integrated through their relationship with the parent company Republic Services. Benefits of this project include building improvements to the existing transfer station to improve operations and reduce its environmental impact, and the implementation of a litter patrol program for the local community.	Yes
Inland Empire Resource Recovery, LLC	San Bernardino	$3,000,000	This grant application requests funding to complete construction and commissioning of the San Bernardino BioDigester (SBB) project (The Project). To date, over $22,500,000 has been spent on this Project and construction of the Project is approximately 60% complete. By the beginning of this grant period, the entire Project will be complete, except for four remaining items- 1. Conversion of the existing 600,000 gallon holding tank into Digester #3, 2) Installing a degritting system, 3) Completing site security and truck	Yes

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			weighing improvements and 4) Completing the digestate recovery system. The cost of these four items, including engineering, equipment procurement, installation and commissioning, is $3 million dollars, the amount requested in this application from Cal Recycle. Receipt of this grant is essential to bring the Project fully into operation mid-summer 2020. This Project will provide a shining example of the successful development and operation of a state-of-the-art food waste anaerobic digestion (AD) system implemented to enable the City of San Bernardino and its neighbors to comply with organics Diversion requirements and significantly reduce GHG output. The Project will divert 93,750 new tons of food waste from landfills and reduce GHG's by over 16,000 tons per year for 20+ years. Value-added products, including renewable electricity sold under a 20 year Bio-MAT PPA to SCE (21+ million kWh/yr), compostable fiber (18,250 tons/yr), organic fertilizer (949,000 gallons/yr), industrial reclaimed water (19,876,805 gallons/yr), and distilled water (6,469,625 gallons/year) will be produced.	
Technology in Practice, LLC	San Bernardino	$2,978,120	5. Project Summary/Statement of Use: In three to five sentences, briefly and concisely summarize: a. What will be built, expanded, or improved?	No

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			b. How many additional tons of materials will be newly diverted from landfills, and what will be the associated reduction in GHGs? c. If value-added products such as compost, low-carbon fuels, or fertilizers are to be produced, estimate the annual quantities to be produced. Note: you will have an opportunity to further explain the project in the Narrative Proposal.	
Crown Recycling Services, LLC	Los Angeles	$3,000,000	Crown Recycling Services LLC (CRS) proposes to install an Organic Screw Press (OSP) system at its transfer station and materials recovery facility (CRS TS/MRF) located in the Sun Valley area of the City of Los Angeles, CA. The OSP is a hydraulically driven screw that applies high pressure to the material inside so wet organics can be extracted from MSW. Material will be loaded onto a conveyor, where sorters will separate out materials for recycling as well as HHW and any items that may harm the OSP, and the remaining material will be put through the OSP. The resulting extracted organics meet requirements for compost moisture amendments and will be hauled in a tank to American Organics composting facility, a sister company located in Victorville, CA under the same ownership as CRS that will be consolidated under the same parent company on 12/31/2019. The proposed project will process about 120,000 TPY of commercial MSW through the OSP system producing about 12,000 TPY of organic-rich liquid for ASP composting.	Yes

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			The organic-rich liquid is expected to contain about 2% contamination (240 TPY), therefore, about 11,760 net TPY of organics from the targeted commercial MSW material will be composted via an ASP system resulting in GHG emissions reduction of 4234 MTCO2e per year.	
City of Napa	Napa	$1,504,988	Grant funds will be expended to purchase equipment and labor required for the expansion of the existing composting operations at the Napa Materials Diversion Facility in the City of Napa. The Facility, which is owned by the City of Napa, is operated by Napa Recycling and Waste Services who will act as agent in this grant. Napa Recycling and Waste Services will use the grant-funded equipment to divert green waste adc, green waste in msw, and some food waste. The diverted material will be conveyed, sorted, shredded, and screened so as to reduce contamination and allow the resulting material to be composted. In total, the grant is expected to result in an 150% processing increase (30 TPH to 45 TPH) and divert 31,200 new tons per year of otherwise landfilled materials.	Yes
NorCal Ag	Mendocino	$3,000,000	In partnership with Green Mountain Technologies (Green Mountain), the City of Petaluma, and Redwood Empire Food Bank, NorCal Ag LLC (NorCal Ag) seeks funding to design, construct, commission, and operate the Stage Gulch Organics (SGO) Compost Facility Development Project (project), an advanced, cost-effective composting facility that will ultimately divert up to 185,000 tons per year (TPY) of organic feedstock, including up to 17,250 tons/year of	Yes

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			organics/food materials/green materials that are currently landfilled or used as landfill alternative daily cover (ADC) in California. Located southeast of Petaluma in Sonoma County, the project will rely on Green Mountain's advanced, circular turned aerated pile (CTAP) composting system to process feedstock on an ultra-compact footprint of five acres.	
Mesquite Lake Water & Power, LLC	Imperial	$3,000,000	Mesquite Lake Water & Power, LLC currently operates a composting facility and is requesting funds to expand this facility to take in over 140,000 tons of green waste to digest into soil amendments in Imperial County, an underserved community with one of the highest unemployment rates in the US.	Yes
TDRA Industries, Inc., dba Vision Recycling	Alameda	$2,792,266	Vision Recycling proposes a Pre-processing facility in Morgan Hill to receive material and pre-process by grinding the compostable and wood material. The compostable material will then be transferred to Vision Recycling's compost facility in Livermore and the wood material will be sent to DTE Energy in Stockton as biofuel. The composting facility is currently in operation. The addition of the Morgan Hill Pre-processing facility will increase the amount of organic material composted and wood material sent as biofuel.	No
Disneyland Resort, Walt Disney Parks and Resorts U.S., a Florida Corporation	Orange	$1,496,173	DLR (Disneyland Resorts) will install and operate two (2) in-vessel composting operations strategically located on DLR grounds in order to increase landfill diversion by 2,190 tonnes per year of post-consumer food waste combined with green waste. DLR will internally consume the estimated 1,533 tonnes per year of compost generated by the operations.	No

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			Consequently, a greenhouse gas emissions reduction of 600 MTCO2e per year, is estimated by the CARB Benefits Calculator Tool for the Organics Grant Program, without considering additional reductions in vehicular GHG emissions due to the elimination of waste hauling from and compost delivery to the property. Furthermore, DLR will install specialized food waste trash receptacles and signage to teach, encourage and empower guests of the parks to participate in separating food waste from mixed waste; thereby further improving diversion.	
Michael Kochergen	Fresno	$3,000,000	This grant application describes the design and operations of the proposed Green Valley Recycling Transfer Station Facility, a large volume transfer/processing facility, located at 2962 S. Cedar Ave, Fresno, CA 93725. The project will be developed in three phases: (1) the construction of office/scale house area, green and wood waste tipping area (2) construction of a building for tipping and transfer of food waste(3) improvements to the existing onsite recycling areas, installation of a transfer station, organics chipping and grinding operations and recycle facility. Green Valley Recycling Transfer Station will have the capacity to transfer/process green and food waste, construction/demolition material, recyclables and pre-post-consumer waste. This project will divert an additional 2,500 Tons Per day (TPD) from the landfills with an anticipated average of 730,000 tons annually.	Yes

Applicant Name	County	Requested Funds	Project Summary[i]	Priority Populations Benefits[ii]
Circle Green, Inc.	San Bernardino	$3,000,000	A closed dairy will be converted into a green waste and food waste composting facility utilizing existing infrastructure on site where possible and constructing new composting pads. The existing facilities include an office, a scale, site access control, concrete pads, stormwater drainage improvements and catch basins. New construction will include site compaction and concrete pad installation. 300,000 tons per year will be diverted from landfills resulting in a calculated reduction in GHG emissions of 232,271 MTCO2e over the initial ten years of operation. Approximately 150,000 tons per year of compost, 100,000 tons per year of mulch, and 15,000 tons per year of biomass will be produced.	Yes
Pacific Recycling Solutions dba Pacific Organics Solutions	Mendocino	$3,000,000	POS proposes a composting operation using GORE® 'in-vessel' cover technology to process 22,332 tons per year of food and green waste currently sent for landfill disposal or ADC. This operation will provide new jobs, increase diversion, and reduce GHG emissions. With the execution of a community benefits agreement, this project will also bring much needed services to benefit a low-income community.	Yes
GAIACA Waste Revitalization	Monterey	$879,480.72	GAIACA Waste Revitalization (GAIACA) and Guzik's Good Humus are teaming in a cooperative effort to request grant funding in order to expand our organics diversion program. These funds will be allocated for: • improving the configuration and infrastructure of our facilities and composting system;	Yes

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			• purchasing equipment to handle the surge in new tonnage of organic waste that is projected to be diverted from landfills; and • directing funds into technologies that promote our efforts in waste-to-soil revitalization and waste-to-energy options which will subsequently favor local, low-income and disadvantaged communities. This investment in modifications and equipment will vastly improve our outreach, capacity, and waste rendering and revitalization processes, thereby reducing GHG emissions of 6198 MTC02e and diverting 20,794.3 tons of organic waste for the term of the project. Furthermore, our sustainability numbers beyond the grant term (Years 3-8) represent an additional 48,092 MTCO2e in reductions. These reductions accentuate GAIACA's position as the nation's first fully licensed, compliant Cannabis waste management company. As a green-certified, small business in this industry, its primary mission is to receive, process, recycle, and convert a wide variety of Cannabis materials, most of which would otherwise end up in landfills. Unfortunately, recent reporting indicates that California's cannabis industry is combining these types of organics with other facility trash and landfilling the mixture (Bollea, 2017). Many of these growers, producers, and dispensaries simply don't know how to handle cannabis waste and choose	

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			the worst option: landfill. Another reason cited for sending the bulk of this organic waste to landfills is the limited availability of cannabis composting facilities. Alarmingly, these amounts are growing exponentially based on the latest trends (Katims, 2019). Other states such as Washington, which legalized their cannabis industry well before California, tell a cautionary tale where most of their waste is either ending up in landfills or its disposition is unknown. However, the GAIACA and Guzik's team is at the forefront of reducing these eco-unfriendly practices through cooperation, education, waste-tracking, upgrades, and expansion.	
A.B. Jones & Co., LLC	San Diego	$1,500,000	A.B. Jones & Co. is applying to divert annually 27,000 tons of organic material from newly diverting avenues.	No
Monterey Regional Waste Management District	Monterey	$3,000,000	This project will transition the existing windrow composting facility to a covered aerated static pile system capable of accepting approximately 500 tons per day with the ability for future expansion at a later date outside of the grant to accommodate up to 800 tons per day. The proposed project will allow for an additional estimated 2,895 tons/year of newly diverted food waste and 44,503 tons/year of newly diverted green waste from landfills along with the existing feedstock already composted at the site and composted elsewhere for a new GHG benefit of 264,937 MTCO2e over the 10 year projection. When fully ramped up, the proposed project will produce approximately 156,000 tons/year of compost and 249,600 tons/year of compost if expanded further.	Yes

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California Grinding, Inc.	Fresno	$3,000,000	California Grinding, Inc. is proposing to construct an Anaerobic Digestion facility provided by Zero Waste Energy located in the City of Fresno. The full facility will process 91,000 tons per year, of which 51,300 tons is newly diverted material. The facility will convert food and green waste into Renewable Natural Gas for injection in the Pacific Gas & Electric pipeline and subsequent use as vehicle fuel by the City of Fresno and others, as well as produce a high-quality compost product. The project will provide direct benefits to multiple disadvantaged communities through diversion of waste, creation of high-quality jobs and use of state-of-the-art equipment.	Yes
Northern Recycling, LLC	Yolo	$3,000,000	Grant funding will be matched with applicant funds to procure a set of equipment designed to reduce contamination in incoming organic waste feedstock at the Yolo County Central Landfill. This equipment, which includes Sorting Lines, Shredders, Screens, and Separators, will remove residuals from food waste and green waste to meet market and regulatory specifications. These materials will be composted at the Yolo County Central Landfill Compost Facility where the final compost product will be sold as a soil amendment to agricultural markets. Once completed the compost facility will divert 60,848 new tons of organic material from landfill disposal. This waste, which is currently buried as MSW consists largely of food waste and green waste and will be sourced from various Yolo County jurisdictions as well as from	Yes

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			tonnage flows which are currently under Northern recycling's control.	

[i] Project summaries are extracted from the submitted application and have not yet been approved by CalRecycle. Contents in these summaries may be revised based on CalRecycle's evaluation.
[ii] This column indicates if a priority population benefit is claimed by applicant. Benefits claimed and may be revised based on CalRecycle's evaluation.