



COUNTY OF YOLO

Office of the County Administrator

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Mainspring Partners With Yolo County For First 100% Landfill Biogas Pilot Project

(Woodland, CA) – On December 5th, 2022, Mainspring, Yolo County staff, and stakeholders gathered to celebrate and recognize their partnership, which was announced earlier this year.

Mainspring, a clean power generation provider, announced that the product will run on biogas produced by the landfill to generate electricity that can be used for site operations and exported to the grid.

Landfill biogas, a natural byproduct of the decomposition of organic material in landfills, when not controlled, produces significant amounts of methane emissions.

Municipal solid waste landfills are the third-largest source of human-related methane emissions in the U.S. These landfills provide an important opportunity to capture and sustainability use this significant energy resource to generate renewable electricity. In turn, this can reduce emissions and prevent methane from migrating into the atmosphere and contributing to local smog and global climate change.

This pilot exemplifies Yolo's ongoing leadership and commitment to sustainability by implementing innovative solutions to both energy and waste management. It transforms methane, a powerful greenhouse gas that could leak into our atmosphere, into a source of sustainable electricity. It provides local power, which can be especially valuable during outages and other reliability events.

"Yolo County has always been at the forefront of new technologies, and we are proud and committed to continue our efforts. In the past several years, under the leadership of our Director of Integrated Waste Management Division, Ramin Yazdani, Yolo County has implemented significant projects to divert organic waste from the landfill and reduce greenhouse gas emissions. This partnership with Mainspring is another example of such projects that will increase electricity production at our landfill and will pave the future for others that are looking to improve air quality and increase electricity production while reducing operation and maintenance cost of power production." said Chair of the Yolo County Board of Supervisors Angel Barajas.

"We are excited to partner with Mainspring and continue to demonstrate production of renewable electricity using a new and innovative technology that has the potential to increase efficiency of



electricity production and reduce air emissions,” said Ramin Yazdani, Director of Integrated Waste Management at Yolo County.

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