

Net Zero Partnerships: Promoting Sustainability and Resiliency Through Net Zero Technology and Approaches

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Partnerships to Promote Sustainability

- **Army (MOU signed Nov 28, 2011):**
 - to promote development and demonstration of new technologies for use on installations striving towards Net Zero water, waste, energy
- **DoD (MOU signed Feb 7, 2012):**
 - to advance innovative research and demonstrate cutting-edge technology solutions in support goals for increased resource efficiency, balanced resource use, and greater resource resiliency on military bases



EPA Office of Research and Development Net Zero Partnerships Mission

- To assist communities and our military in achieving their sustainability and resiliency goals of Net Positive (NPE) and Net Zero Energy (NZE), Net Zero Waste (NZW), and Net Zero Water (NZR) in ways that protect human health and the environment while generating societal and economic benefits.
- To integrate and advance the science and demonstration of NZ/NP strategies, approaches and technologies for a wide spectrum of partners, including Department of Defense (DoD), municipalities, water utilities, developers, and communities.

Joint successes to be transferred to benefit communities across the U.S. and world-wide

Army/EPA Net Zero Water Projects

Decentralized Wastewater Treatment for Water Reuse and Improved Energy Efficiency

- Reduce potable water use at Fort Riley, KS via decentralized treatment and reuse of wastewater captured from sewer lines

Water Demand and Outreach

- Explore the effectiveness of education and awareness campaigns at Ft. Riley on behaviors and reducing water consumption through a social marketing campaign, competition, outreach, and outcome assessments

Green Infrastructure

- This project will assess the performance of reducing stormwater runoff and improving water quality by monitoring vertical and horizontal transport through a permeable surface parking lot





Expanding Partnerships for Advancing Net Zero

- Campus/Community Sustainability Partnerships
- NSF/DoE/EPA Net Positive Water Treatment
- DoE's Idaho National Laboratory/ EPA's ORD Sustainable Materials Management

For More Information

- Visit the EPA Net Zero website: <https://www.epa.gov/water-research/promoting-sustainability-through-net-zero-strategies>
- Contact Ardra Morgan 919 541-3658

