



Net Zero

Energy



Water



Waste



Joint Base Lewis-McChord (JBLM) Concrete and Asphalt Recycling

A Net Zero Waste installation reduces, reuses, and recovers waste streams, converting them to resource values with zero solid waste disposal to landfill over the course of a year.

In support of its Net Zero Waste Installation goals, JBLM collects and stockpiles waste concrete and asphalt generated from in-house projects, then reclaims the material to provide high-quality DOT-specification aggregate for other on-Post projects. This practice eliminates the cost of offsite transportation and disposal, and reduces the need for new crushed rock/aggregate. The cost of using reclaimed material is dependent on the volume of material processed, but generally is 50% less than the cost of virgin material.

The use of reclaimed aggregate qualifies for LEED credits, enabling JBLM to also meet the Army's sustainable design and development policy for new construction and major renovations.



Earthworks Asphalt Recycling

A third order benefit of this best management practice is a reduced carbon footprint. This on-Post reclamation effort eliminates the inbound and outbound trips to offsite disposal and virgin product quarries, significantly reducing greenhouse gases associated with aggregate transportation, as well as the volume of traffic through JBLM's access gates.

Contribution to Net Zero



- Eliminates disposal of waste concrete and asphalt
- Reduces the need for new aggregate
- Reduces fuel use for transportation of new aggregate or disposal of waste aggregate

