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Boeing ships, stores and manages parts and supplies sustainably

Why it matters: Getting supplies from point A to point B in a large supply chain takes expertise. Add a passion for **reducing waste, maintaining quality, preventing workplace injuries and saving money**, and you’ve got what motivates Boeing’s Transportation, Warehousing & Logistics (TWL) team.

In 2022, TWL team members:

- **Eliminated packaging waste by converting from single-use and disposable packaging to reusable containers, preventing waste**, which resulted in 234 metric tons diverted from landfills. For example, certain 787 parts previously came in a roughly built, wooden crate that took six people to unload. TWL’s new reusable container is safer, allows faster processing and will prevent damage to parts. These 787 packaging improvements will result in 161 metric tons of crating wood diverted from landfills annually once fully implemented.



- **Repurposed and refurbished containers and carts saved 26 metric tons of containers and packaging materials.**
- **Prevented 18,500 cardboard boxes from being shipped to Puget Sound factories, saving time and eliminating material waste.** Consolidation centers continue to enable the use of generic reusable containers, such as shipping reusable containers through Southern California.
- Boeing also began using cross-docking — a logistics procedure where **products from a supplier or manufacturing plant are distributed directly to a customer with marginal to no handling or storage time.** **Cross-dock benefits include reduced transportation costs, fewer lost or damaged parts, and predictable pickup and delivery schedules.** As a result, 145 suppliers and Boeing sites across Commercial, Services and Defense businesses reduced transportation costs, standardized pickups and optimized transportation routes using cross-docks.
- Reduced GHG emissions — **Regional truck pickups consolidated shipments at the sorting center to better use long-haul trucks while reducing less-than-full shipments and transit time, which reduces GHG emissions.**

What’s next: The team continues to **optimize the Boeing logistics network by analyzing shipment volume, truck utilization, supplier distance from cross-docks, identifying consolidation opportunities and route changes on shipments from overseas suppliers.**

Boeing partners with service provider Universal Logistics at their cross-docking facilities in Renton, Washington; Compton, California; and Charleston, South Carolina, to provide the most efficient pickup and delivery of parts to enable manufacturing and assembly of aircraft. Universal Logistics employee Matthew Chea moves a recyclable wooden crate in Renton. (Boeing photo)



Edison Energy’s Chris Rader (senior Clean Energy adviser) and Julia Berg (director, Business Development) are part of the team that provides strategic sustainability services, energy management and clean energy supply advisory to Boeing. (Edison Energy photo)

2022 Sustainability Supplier of the Year: Edison Energy

Edison Energy received Boeing’s inaugural Sustainability Supplier of the Year award for its demonstrated leadership and partnership to help Boeing achieve its renewable energy and GHG emissions reductions. This partnership:

- Supported Boeing’s renewable procurement strategy, resulting in Boeing using 35% **renewable electricity** in 2022.
- Enabled several **Power Purchase Agreements** that will increase Boeing’s renewable energy use.
- Helped **develop a 15-year purchasing plan for energy purchases — with renewable energy being a requirement.**