Kent, WA Space Cluster Profile: Launch Manufacturing, Orbital Compute & Green River Continuity

Published: November 16, 2026 · Canonical URL: https://bcesg.org/kent-wa-space-cluster-profile/

Verification & Scope Baseline: BC ESG's frozen census records 8 core and 1 adjacent space-cluster rows in Kent, WA as of 2026-11-16. Continuity exposure below reflects primary records specific to Kent only.



ID	Company	Segment	Tier	Verified Facility
WA-SPC-001	Blue Origin	Launch	core	Kent, WA (HQ & manufacturing) / Renton, WA
WA-SPC-002	Stoke Space Technologies	Launch	core	Kent, WA (21009 59th Pl S, 168,000 sq ft factory)
WA-SPC-003	Relativity Space	Launch	core	Kent, WA (engineering & propulsion hub)
WA-SPC-018	The Boeing Company (Defense, Space & Security)	Satellite Manufacturing	core	Tukwila, WA / Kent, WA
WA-SPC-023	New Frontier Aerospace	Propulsion	core	Kent, WA
WA-SPC-025	Rocket Propulsion Systems	Propulsion	core	Kent, WA
WA-SPC-035	Cowboy Space	Orbital Data Centers	core	Kent, WA (~290,000 sq ft facility)

ID	Company	Segment	Tier	Verified Facility
WA-SPC-047	PowerLight Technologies	Components & Suppliers	core	Kent, WA
WA-SPC-071	Exotic Metals Forming (Parker Aerospace)	Adjacent (Fusion / General Aerospace)	adjacent	Kent, WA

Who Is Actually in Kent, WA (Frozen Census Roster)

Kent is Washington's heavy-manufacturing and launch anchor, hosting Blue Origin's headquarters, Stoke Space's 168,000 sq ft Nova rocket factory, Relativity Space's regional engineering/propulsion team, Boeing Defense/Space operations, Cowboy Space's ~290,000 sq ft orbital data center and rocket facility, and propulsion/power-beaming specialists.

Continuity, Flood & Freight Corridor Exposure in Kent

Kent sits on the flat historic floodplain of the Lower Green River Valley (`CLM-07`). Peak seasonal flows are regulated upstream by the U.S. Army Corps of Engineers' Howard A. Hanson Dam at Green River Mile 63, while King County Flood Control District capital projects maintain levee accreditation and setback levees along the 21-mile corridor.

Despite upstream dam storage and levees, King County flood hazard plans document that extreme atmospheric river events exceeding reservoir capacity or levee limits can inundate valley-floor warehouse districts. Space manufacturers in Kent also depend on SR-167, I-5, and parallel BNSF/Union Pacific freight rail lines linking Port of Seattle and Port of Tacoma terminals (`CLM-14`).

What This Means for Suppliers & Facility Compliance

Suppliers and facility managers operating in Kent face two parallel compliance tracks: physical continuity planning aligned to local basin and corridor hazards, and emerging building/supply-chain reporting under Washington's Clean Buildings Performance Standard (CBPS) and downstream OEM Scope 3 supplier questionnaires (`CLM-28`).

Verified Primary Sources & Internal Bridges

- King County DNRP Flood & River Governance: https://kingcounty.gov/en/dept/dnrp
- Puget Sound Regional Council (PSRC): https://www.psrc.org/
- Stoke Space Kent Facility: https://www.stokespace.com/locations/kent
- Alliance Velocity Space City Directory: https://www.alliancevelocity.com/space-city