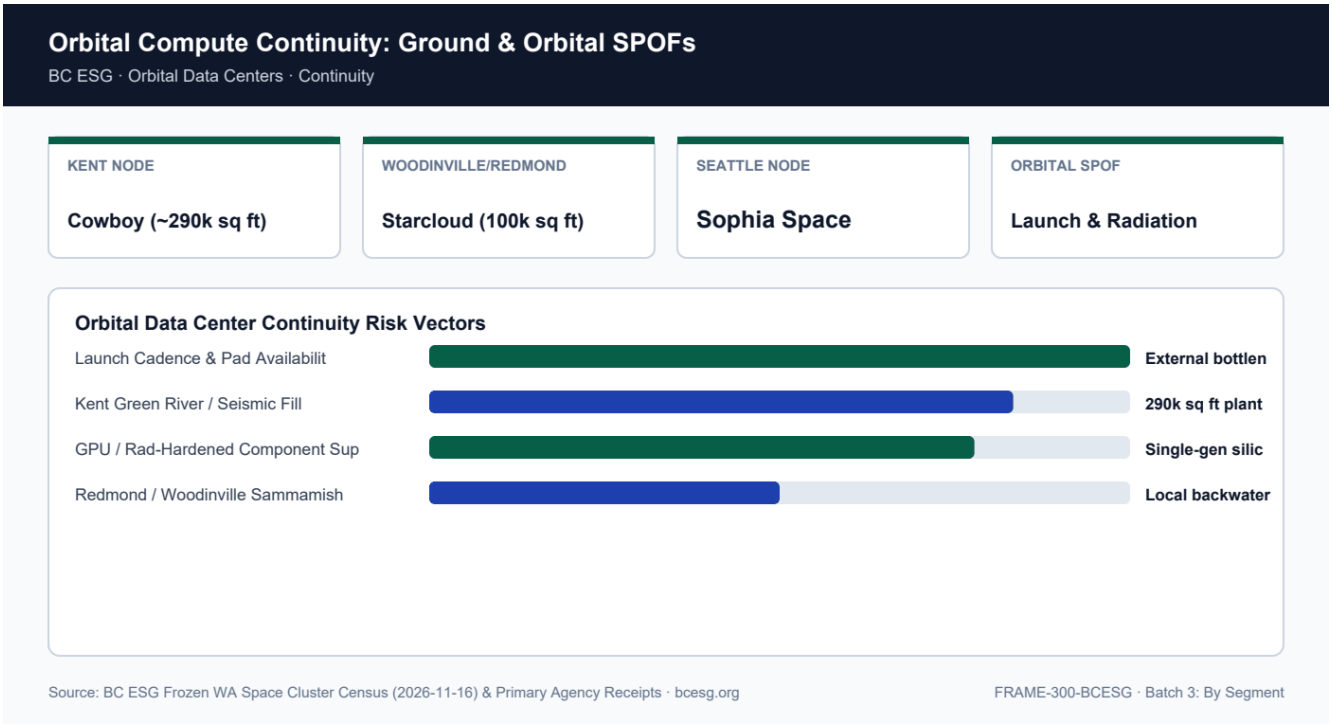
Orbital Compute Continuity: Redmond/Woodinville, Kent & Launch-Cadence Risks

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Verification & Scope Baseline: Cowboy Space (~290k sq ft Kent) sits in the Green River corridor; Starcloud sits in Redmond/Woodinville; all 3 depend on external launch cadence and radiation-tolerant supply.



Node / Vector	Operator(s)	Continuity Risk	Impact
Kent Valley (~290k sq ft)	Cowboy Space	Green River floodplain & liquefaction	Rocket & compute assembly pause
Redmond / Woodinville	Starcloud	Sammamish corridor / I-405	Starcloud-3/4 integration delay
Launch & Silicon Supply	All 3 operators	Out-of-state launch slots & GPU lead times	Constellation deployment slip

Ground Assembly Geography Meets Orbital Launch Dependency

Even though orbital compute aims to bypass terrestrial grid queues, its assembly lines remain exposed to Puget Sound corridors: Cowboy Space (~290,000 sq ft in Kent) sits in the Lower Green River valley, while Starcloud splits between Redmond and Woodinville in the Sammamish basin.

Beyond facility geography, the segment's defining single point of failure is **launch cadence and radiation-tolerant GPU/radiator supply**: hardware cannot be serviced easily on orbit, making launch delays or single-event-upset (SEU) failures irreversible without replacement launches.

Verified Primary Sources & Internal Bridges

• King County DNRP: https://kingcounty.gov/en/dept/dnrp

- City of Redmond Natural Resources: https://www.redmond.gov/224/Natural-Resources
- Starcloud: https://www.starcloud.com/