The Valley's $46M/Day Arithmetic: How King County Measures Green River Floodplain Exposure

Pillar: The Valley | **Basis:** Agency Figure | **Primary Source:** King County / King County Flood Control District | **As Of:** 2026-11-16

King County calculates that a single-day shutdown in its floodplains costs at least $46M in lost economic output across a Green River Valley corridor supporting ~65,000 jobs and over one-eighth of Washington State GDP.

Operational Continuity & Corridor Facts

• King County reports that Green River Valley businesses generate more than one-eighth of Washington State's total GDP and support roughly 65,000 jobs.

• King County estimates a one-day shutdown of floodplain economic activity costs at least $46M in lost regional output.

• Linear multi-day arithmetic ($46M × N days) is a minimum floor; actual aerospace schedule penalties compound when cleanrooms, autoclaves, or test stands lose power or inbound parts.

King County Floodplain Economic Exposure Metrics

Metric	Published Figure	Attribution	Notes for Space Suppliers
Daily Floodplain Output Loss	At least $46M/day	King County / KCFCD	Minimum 1-day shutdown floor
Regional Employment Base	~65,000 jobs	King County	Includes mfg, logistics, retail
Statewide GDP Concentration	>1/8th of WA GDP	King County	Single valley drives >12.5% of state

Corridor Exposure, Triggers & Facility Actions

• Use King County's $46M/day figure when justifying backup generators, elevated racking, and dual-corridor carrier contracts to finance leads.

• Do not conflate valley-wide output with space-sector-only output; space companies are a high-value subset alongside Boeing, distribution centers, and retail.

• Link business-interruption insurance sublimits (flood vs. contingent business interruption from SR 167 closure) to documented daily burn.

Cross-Cluster Links & Primary Sources

• **WA Space Cluster Hub (#1382):** https://bcesg.org/washington-space-cluster-census/

• **Kent WA Space Cluster Profile:** https://bcesg.org/kent-wa-space-cluster-profile/

• **Tukwila WA Space Cluster Profile:** https://bcesg.org/tukwila-wa-space-cluster-profile/

• **Finance: CCA, CBAM & Insurance:** https://bcesg.org/wa-space-role-finance-cca-cbam-insurance/

• **Facilities / EHS Desk Brief:** https://bcesg.org/wa-space-role-facilities-ehs-desk-brief/

• **Satellite Mfg Continuity Exposure:** https://bcesg.org/wa-satellite-manufacturing-continuity-exposure/

• **King County Flood Services:**
https://kingcounty.gov/en/dept/dnrp/nature-recreation/environment-ecology-conservation/flood-services

• **WA EMD Regional Plans (Recovery Annex):** https://mil.wa.gov/plans

Provenance Note: All dollar, job, and GDP share figures are attributed directly to King County and King County Flood Control District.