Storage Cost Savings and Predictability for Securing Long-Term Funding

Title (Goal)	Storage Cost Savings and Predictability for Securing Long-Term Funding
Primary Actor	Accountants, Purchasing Departments, Endowers of Money
Scope	Financial
Level	Fundamental
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Story (A paragraph or two describing what happens)	As an infrastructure engineer and realist, I need to secure endowment funding for 100 years, to truthfully ensure the repository's viability. Asynchronous storage cost is predictable and calculable to 100 years and beyond, enabling long-term cost to be clearly and effectively communicated to non-technical people. For example, S3-standard: $36864 per TB for 100-year term on asynchronous storage vs. $122880 for the exact same amount of storage capacity on SSD. We could effectively obtain three-times more asynchronous storage for the cost of SSD. Some AWS examples: $120 per GB for 100-year term on SSD ($0.10 * 1200 months) $36 per GB for 100-year term on S3-standard ($0.03 * 1200 months) 70% savings over SSD $15 per GB for 100-year term on S3-infrequent ($0.0125 * 1200 months) 87.5% savings over SSD