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Flash Research Assignment #1

Experiencing 10 unscheduled power outages this past year a decrease in downtime needs to be a priority for our company. Our company can realize a 3-year net benefit of \$13M by switching to a tier III datacenter. Tier III datacenters consists of multiple redundant components. This will reduce system downtimes which allows us to reduce costs.

Tier III data centers consist of multiple available active and cooling distribution paths, live maintenance, and alternative components that exist as backups for the data center. Having redundant components increases availability because it maintains the system on a regular, scheduled basis without having to shut down. Tier III data centers can have every capacity element and component in the distribution path removed without diminishing the efficiency of the equipment, meaning it will still work properly when parts are removed for whatever reason.

Over 3 years a Tier III datacenter will cost \$35M which includes the year of building the datacenter. In this 3-year span we will save \$48M in downtime. a Tier III data center will be very beneficial financially resulting in a 3-year net benefit of \$13M.

Works Cited

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