Claudine Youssef

915134280

September 20, 2016

Investing in our datacenter and upgrading from a “Tier I” to a “Tier III” system will increase our productivity and net savings. The failures in our current system have led to 10 outages, halting processing, productions, and shipping ultimately leading to a downtime cost of $14,800 per minute.

 Key benefits of the new system will improve information security and integrity by decreasing the likelihood of outages and downtime. The “Tier III” is accompanied with an extra path leading to the critical environment. This would act as a back up in case of failures or shutdowns. It possesses concurrent maintainability and fault tolerance providing a safety net for stored information. A one-time investment of $35,000,000 will increase efficiency from 99.67% to 99.98% demonstrates that the financial benefits as well as the performance capacity will led to a greater integrity in our datacenter.

 A “Tier III” system will lead to a net benefit of $13,229,056 over the next three years after installation. Upgrading from a “Tier I” to a “Tier III” system will change the downtime cost from $25,670,304 a year to $1,555,776 a year leading to a total benefit of total benefit of $48,229,056 over the next three years.