



25th Annual Information Technology Competition Data Analytics Case Study

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Background Information:

Zuriky Energy is a local utility company focused on bringing renewable energy and analytics to the larger population. They have a project to analyze energy outage data to determine primary outage causes over a series of months and years. Zuriky Energy does not have the bandwidth to complete the required analytics.

Problem Statement:

Zuriky Energy has been unable to complete the energy outage analytics project due to lack of sufficient personnel.

Zuriky Energy has received funding to hire a consulting firm for this analysis and is now accepting proposals. This project is on a compressed schedule and requires an agile and flexible team to analyze, draw conclusions, and present the data findings to the utility company.

Request for Proposals:

Zuriky Energy is requesting project proposals from consulting teams skilled in data analytics, machine learning, predictive analytics, and business intelligence visualization. The data analytics lead will review all proposals and rank the consulting teams based on the strength of their proposals and oral presentations/interviews.

The proposals will need to contain the following information:

Background Observations:

The consultants' interpretation and understanding of Zuriky Energy's project (problem statement) and proposed assignment. Identify any special issues the consulting team believes the proposed assignment should address as well as any potential risks and business impacts each potential risk would cause. Additionally, please identify and address all data errors and inconsistencies.

Scope and Objectives:

What are the conclusions determined by the consultants? What recommendations can they make in regards to types of outages and related expenses? Any forecasting models should be included.

Proposed Implementation Plan:

What are the next steps for Zuriky Energy to implement in order to maximize their efficiency and reduce costs? What if any changes in equipment should be conducted? Please provide as much detail as possible. A short presentation explaining your conclusions and recommendations should be included.

Oral Presentation and Interview:

The CSO of Zuriky Energy will be present during the presentation. This presentation should take no more than 10 minutes and include contributions from all the team members. A short interview question session will take place after the presentation.

Submission Deadlines:

March 21st - distribution of the case studies to the competitors.

April 3rd - deadline for the competitors to complete their deliverables to turn in.

April 10th - the competition day when the competitors present their deliverables to the judges.

Submission of Proposals:

Please submit proposals directly to cindy.pham@calpolymissa.org. the successful consultant team will receive a confirmation email response.