



April 26, 2002

Mr. Jorge Sosa, Transcon Lighting System
P.O. Box 29739
San Juan, Puerto Rico 00929

Dear Mr. Sosa:

Roche Diagnostics Puerto Rico had an energy conservation goal of 10% reduction of energy usage. Various alternatives were explored to determine the best suitable option in terms of budget and time frame. The alternative selected was the lighting retrofit.

Recent renovations to the facility gave the opportunity to install efficient lighting systems in various areas. 74% of the lighting fixtures had electronic ballast with T8 lamps. The challenge was to maximize the lighting system efficiency keeping the ROI in less than 18 months.

Transcon Lighting System performed a preliminary assessment to determine the feasibility of the project. Project consisted in the retrofit of 1018 fixtures with lamps reductions and aluminum reflector inserts. Completion of the project was on December 2001 with projected savings of \$5,500/month with a ROI of 13 month.

Available energy consumption data for year 2001 revealed an average usage of 19,702 KWH/ day. Data from December 2001 – March 2002 shows a 12% energy reduction (17,281 KWH/ day). Average savings over the same period were \$ 5,381.50/ month.

The project was completed in a very professional and timely fashion. The group was flexible and performed the project without affecting any operation in the plant.

Thanks for your contribution in our energy conservation efforts.

Sincerely,

José C. Peterson
Facilities Engineer/Facilitator