



Plant 17 Lighting Energy Reduction Project

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Plant 17 Lighting Energy Reduction Project

- Plant 17 is Allison's Parts Distribution Center.
- The building construction is precast cement wall panels.
- The warehouse area is approximately 360,000 sq. ft. with 40' ceilings.

Old Fixture / New Fixture



Metal Halide

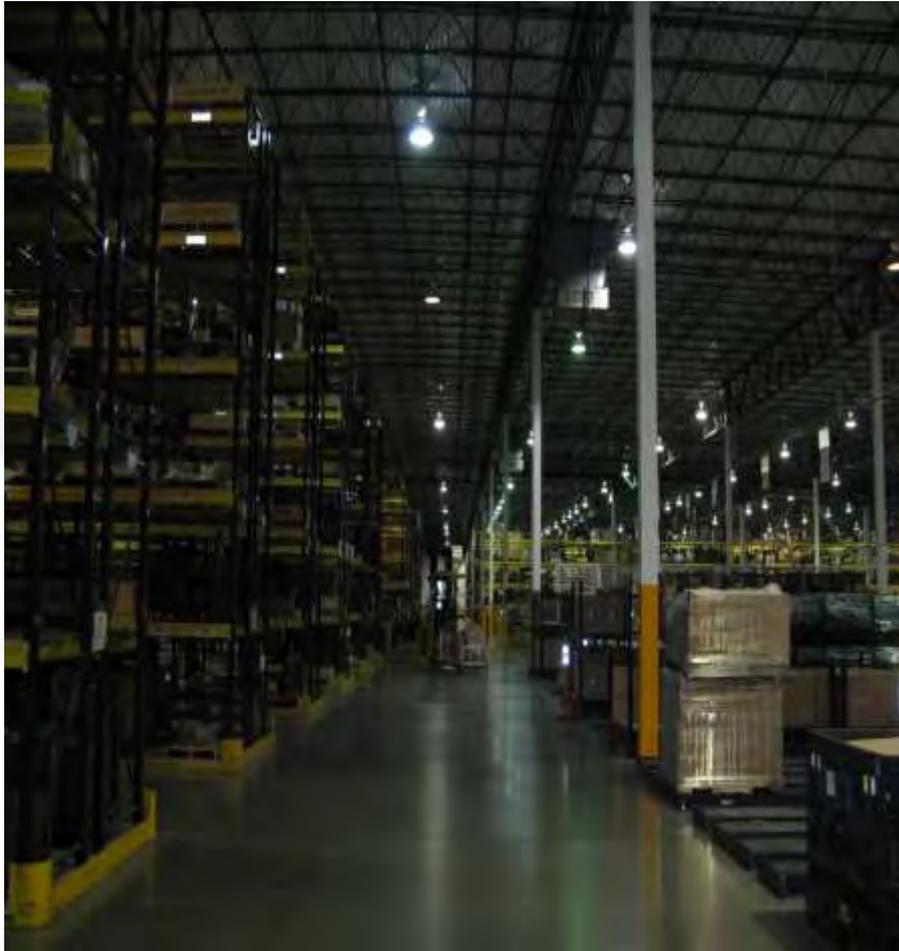


T-5 Fixture

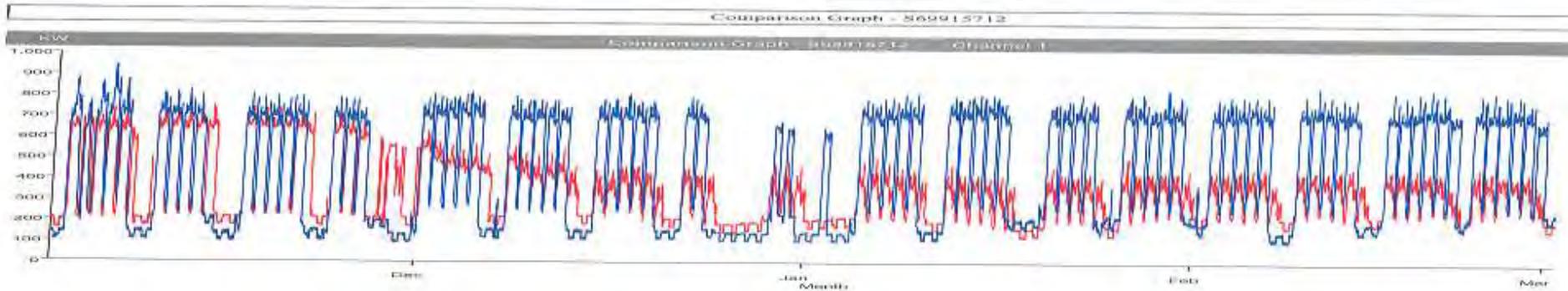
Comparison of Fixtures

Project PLANT 17	Old Lighting	New Lighting
Type of Bulb	Single Bulb Metal Halide	Eight T-5 High Output
Life of bulb	12,000 Hours Life	18,000 Hours Life
Wattage of fixture	1072 Watts	450 watts
Foot Candles 3' Above Floor	Averaged 35	Averaged 42

Comparison Existing Metal Halide & Replacement Fluorescent



Electrical Energy Consumption for Plant 17 before lighting change, and after lighting change



Indianapolis Power Use Chart for November thru February
Blue Color is 2009 Electrical Use
Red Color is 2010 Electrical Use

A reduction in electrical energy use of 30 %
A reduction of 1,320,000 Kwh per year.