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Case Study – Toronto Hydro Goes Green, and Motion Senses!

Progressive Lighting Design brought to the attention of Toronto Hydro’s facilities department, the fact that Magnaray®’s twin T5 arrays (2 - #W2PL50 per array at, 106 watts/fixture) could **reduce energy use by nearly 77%**, as well as be motion sensed for even greater savings, so they had to try it!

The equipment yard doesn’t need to be illuminated all night long, but only when someone needs equipment from the yard, which is infrequent. Why operate lighting all night long, as long as they have light, when and where they need it? It is great for security, as well as employee usage. Existing Security cameras work as well as they did with the 400 watt metal halide units. A total of 60 units were replaced 1 for 1.

The “white” - “instant-on” light arrays provide as much, if not more, visual lighting without warm-up or restrike time, with no color shift. For extremely cold weather, a thermal cut-on switch was incorporated, and turns on the arrays when the temp limit is reached. Weather studies proved that there were very few days when the temperature dropped below 20 degrees F, so at those temperatures, the lights could only be on 24 hours day for 2-5 days per year.



Note even illumination and reduced glare



Improved color allows cameras and eyes to “see” better

Saving Energy and the Environment Since 1964

"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many."