

# Case Study



## Linn's BP - Woodbury, MN

When Steve Linn began plans last year to build his new BP site, he wanted to be as 'green' as economically possible. As he learned more about LED and saw the energy savings and environmental impact related to LED lighting, it just made sense to make this investment. However, in an effort to remedy lighting pollution in the mid-90s, the City of Woodbury implemented a High Pressure Sodium specification for outdoor lighting.

***“Eventually, as I learned more and more, I couldn't give up the benefits of a new LED lighting system.”*** Steve Linn, President of Linn Companies. When the site was finished, those originally opposed to the new light source were impressed and after several night studies agreed the LED was a very good decision.

**Products Used:** Crossover Ambient 100 canopy fixtures  
Crossover Focus fixtures  
Crossover XAM area light (119 LEDs, Type 2 reflector) on 16' poles  
Crossover Abolite Standard Dome building light  
Outstanding lighting

**Results:** An environmentally friendly lighting system with outstanding illumination  
2.62 year payback  
\$4,519 or 79% annual savings in energy and maintenance with the LED system as compared to a MH system  
Initial fixture costs were over 50% more with the LED system but will use 30% of the energy required by the conventional metal halide system  
IDA Approved Dark-Sky Friendly Lighting

