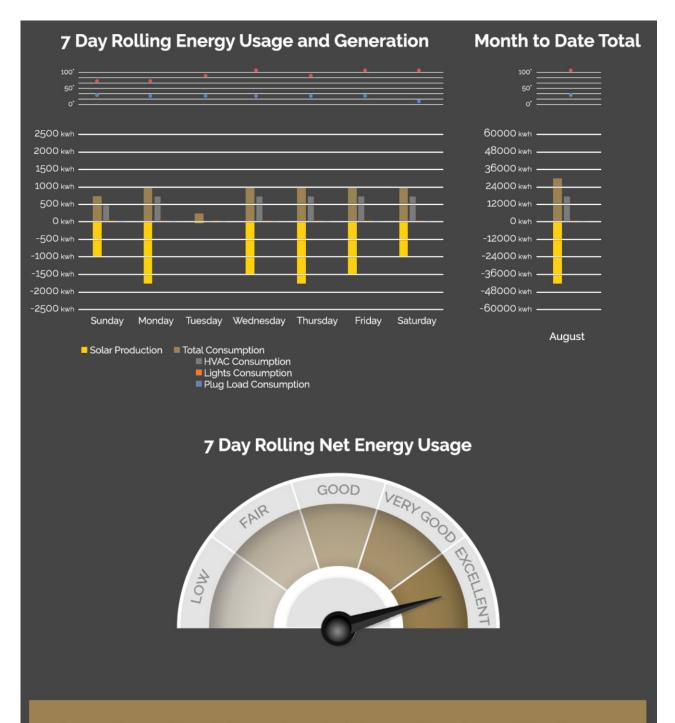


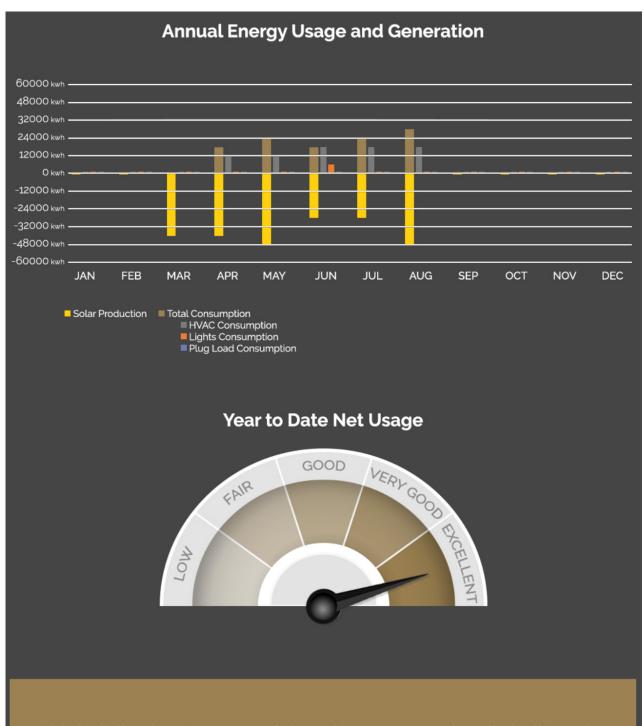
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According to the US Department of Energy, the state of Illinois receives a yearly average of 4 to 5 peak sun-hours per day. Those are the best hours for generating solar power. In other words, you can expect to get from 4 to 5 kilowatt hours (kwh) of electricity each day for every kilowatt (kw) of solar power capacity installed.



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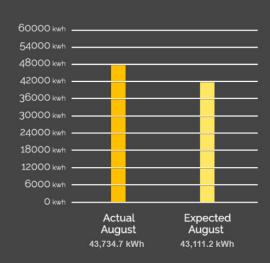


This building is 44% more efficient than a conventionally built, code compliant activity center. To learn how we built this facility, see the building construction information near the gym.



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Solar Panel Generation



Actual vs Predicted Solar Generation

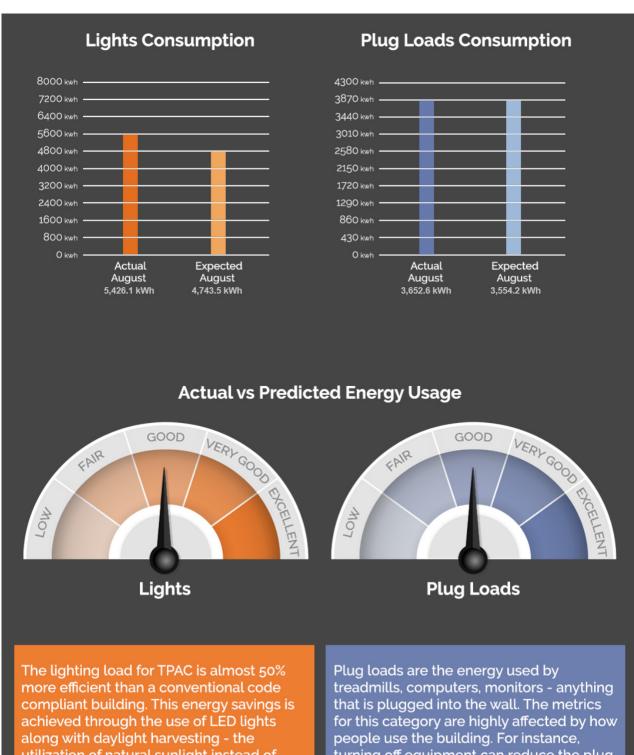


As of March 2019, net electricity generation in Illinois by source was 7% natural gas, 30% coal-fired, 53% nuclear and 10% renewables.

Illinois ranks second in the Midwest for installed renewable power capacity and fifth in the nation for installed wind power capacity. Installed renewable energy capacity includes: 3,667 megawatts (mW) of wind power; 53 mW from solar photovoltaics; 40 mW from hydropower. (Source: IEC – Illinois Environmental Council)



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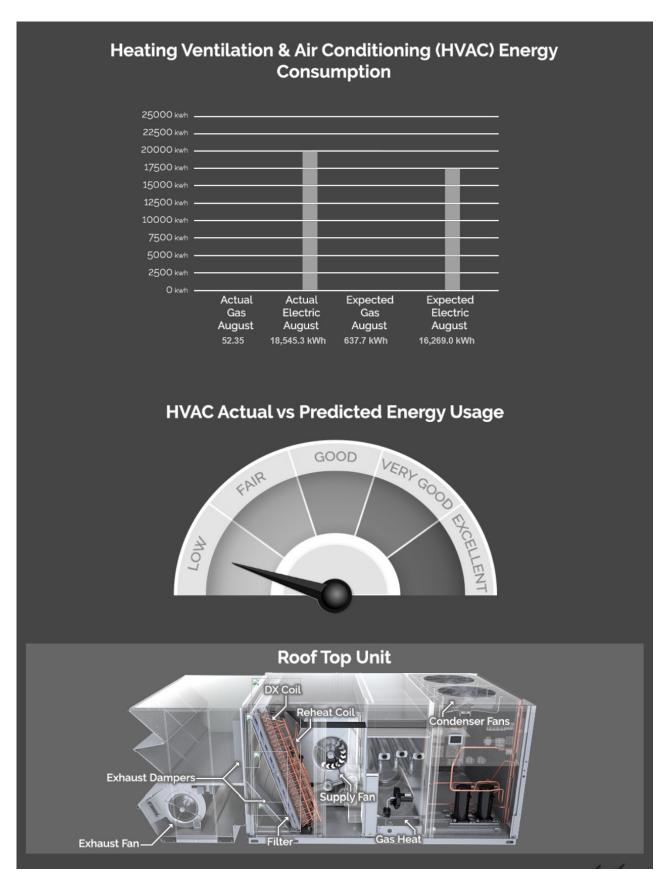


utilization of natural sunlight instead of electric fixtures during the day.

turning off equipment can reduce the plug load.



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