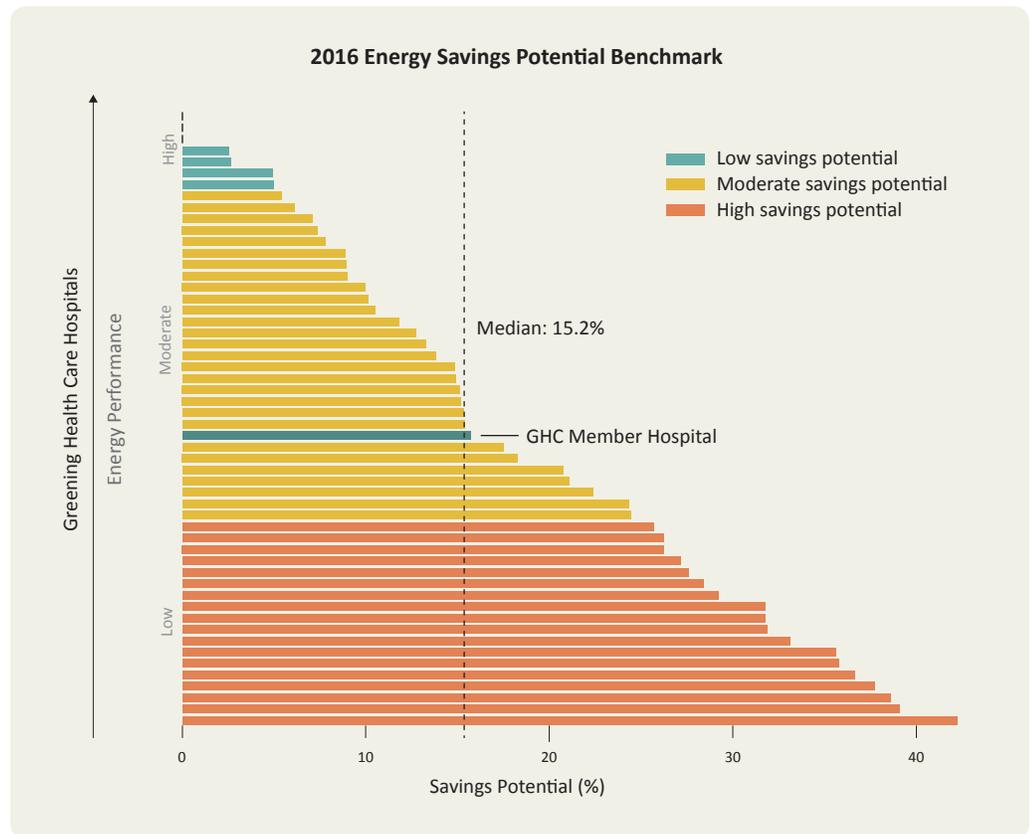


Greening Health Care is a ground-breaking program that goes beyond energy and water benchmarking to establish site-specific targets for individual health care facilities, and thus how much each facility can expect to save. The success of the program stems from the collaboration between member hospitals, utilities, government and the private sector. Established in 2004, Greening Health Care has grown to 55 member hospitals in Ontario and Alberta, Canada. The program is evidence-based and data-driven with one of the largest databases of hospital energy performance in North America.

## Data analysis – Benchmarks & Targets

Members receive annual updates to analysis of their hospital’s conservation potential, helping their organization identify the best opportunities for significant savings. Energy targets are based on monthly utility data and building characteristics. This knowledge provides the foundation and direction for effective strategies to improve energy efficiency.

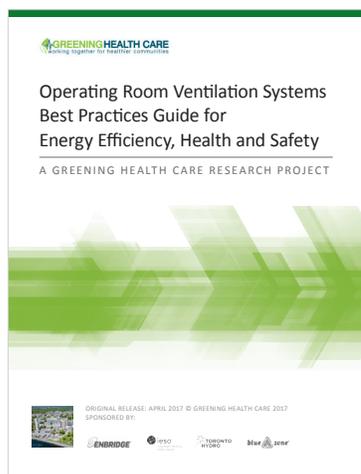
The target for each energy and water component is updated every year based on the top 25% performance standards from the GHC database of similar hospital types. Targets are adjusted for weather and non-standard, site-specific variables including energy sources, cogeneration, laundry and space types.



## Best Practices

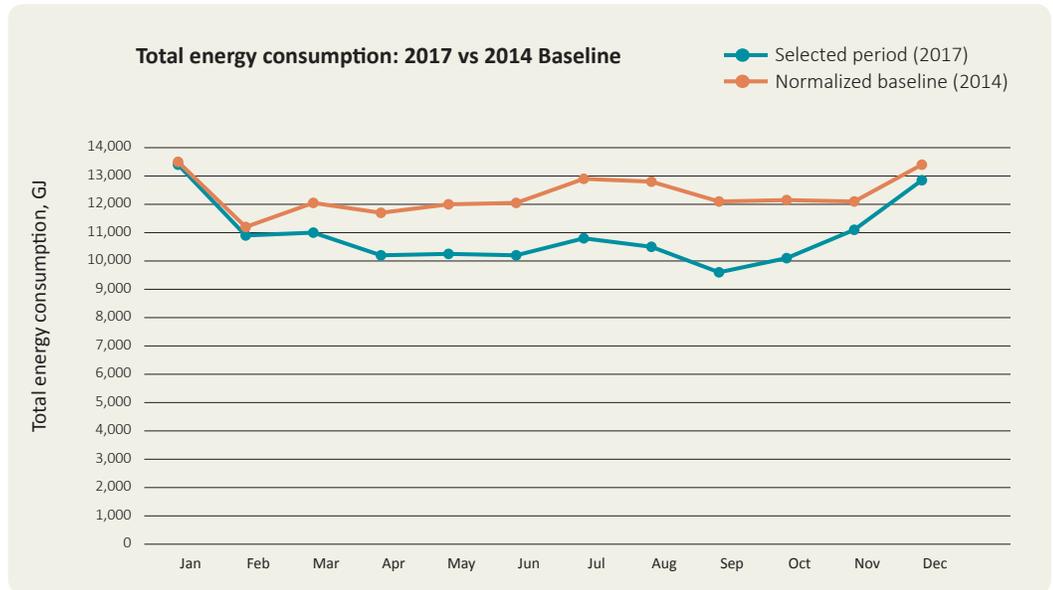
Collectively, member hospitals are building the knowledge and practice of energy and water efficiency, uncovering savings opportunities and sharing results and lessons learned with peers. **Case studies** are prepared, highlighting the successful performance-based approach to conservation applied by the most efficient and top-saving hospitals.

With participation by member hospitals and industry experts, Greening Health Care also undertakes applied **research** projects which document best practices for building system design, retrofit, operation and controls, for use by member hospitals in optimizing the performance of their facilities.



## Monitoring & Reporting Savings

Monthly savings are monitored through the Greening Health Care online reporting system which members can access at any time. Current energy use (blue line) is compared with the weather-normalized baseline (red line) to verify and quantify actual savings made, and progress towards targets. Real savings were achieved in months where the blue line is below the red.



## Networking

Members interact with peers and industry experts through Greening Health Care **webinars**, **workshops** and the annual **Forum** which present and discuss high performing facilities, along with best technical and organizational practices relevant to hospital energy efficiency and building operations.



## Recognition

Greening Health Care recognizes and profiles member hospitals that stand out in terms of savings achieved and how they are working to implement their energy efficiency plans. Hospitals that meet their targets receive the Living City Energy Efficiency Leadership Award. Top-savers become members of the 5% Club.

“The data tells the story. If I know what the data is saying, I know where the savings are. The data tells me what the issues are, right down to the level of which building systems to tackle.”

MICHAEL BONNAH,  
DIRECTOR OF FACILITIES,  
WEST PARK HEALTHCARE CENTRE

## Results

Together, in 2016 vs 2015, the hospitals have saved (year on year):

16,500 MWh of electricity



4.4 mln m3 (1.6 mln therms) natural gas



Over \$4,000,000



GREENING HEALTH CARE IS MANAGED BY:



TECHNICAL DIRECTION BY:



WWW.GREENINGHC.COM