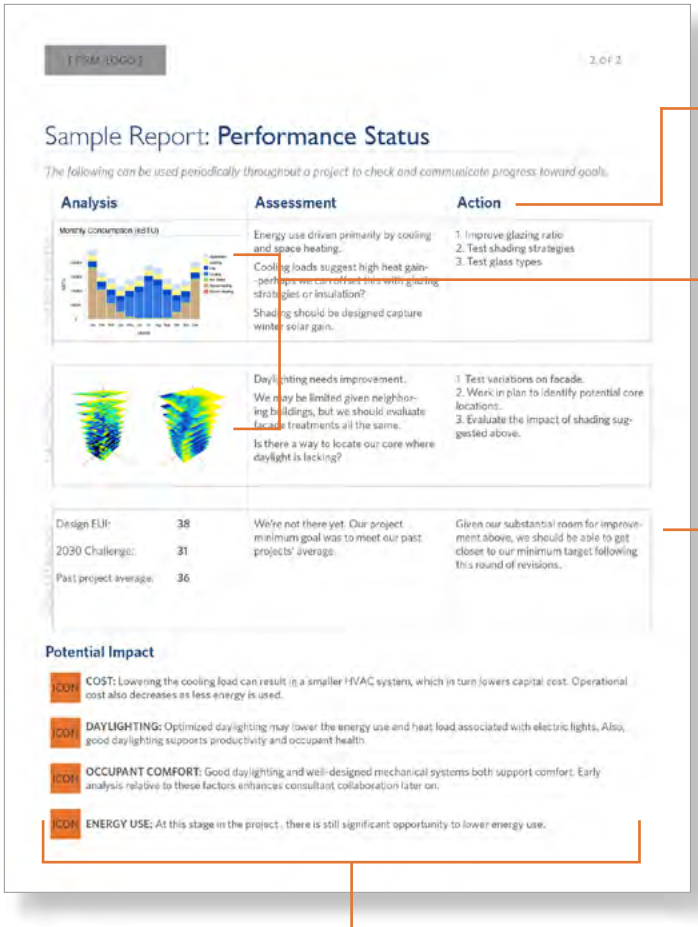
Sample Report: Performance Status

This is an example of how you can structure and display your progress towards, and achievement of, targeted building performance.



The "Analysis-Assessment-Action" framework supports communication across the team, with consultants, and with clients.

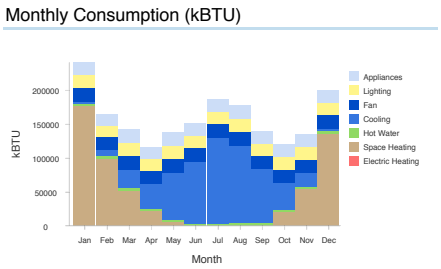
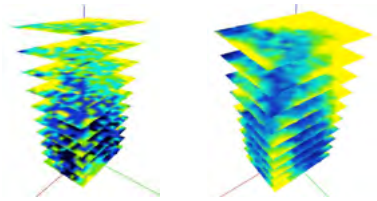
Your analysis and data-visualization will be specific to your project and firm. Sefaira easily exports data to .CSV format, thus supporting limitless reporting outputs. See the Appendix for a list of possible outputs.

Most Assessment and Action will be familiar. If, however, you have questions about a given metric or possible action, visit http://learn.sefaira.com.

Understanding the impact helps prioritize action across the team and informs strategic sessions with the client and consultants.

Sample Report: **Performance Status**

The following can be used periodically throughout a project to check and communicate progress toward goals.

	Analysis	Assessment	Action
ENERGY DRIVERS		Energy use driven primarily by cooling and space heating. Cooling loads suggest high heat gain--perhaps we can offset this with glazing strategies or insulation? Shading should be designed capture winter solar gain.	1. Improve glazing ratio 2. Test shading strategies 3. Test glass types
DAYLIGHTING		Daylighting needs improvement. We may be limited given neighboring buildings, but we should evaluate facade treatments all the same. Is there a way to locate our core where daylight is lacking?	1. Test variations on facade. 2. Work in plan to identify potential core locations. 3. Evaluate the impact of shading suggested above.
BENCHMARKING	Design EUI: **38** 2030 Challenge: **31** Past project average: **36**	We're not there yet. Our project minimum goal was to meet our past projects' average.	Given our substantial room for improvement above, we should be able to get closer to our minimum target following this round of revisions.

Potential Impact

ICON **COST:** Lowering the cooling load can result in a smaller HVAC system, which in turn lowers capital cost. Operational cost also decreases as less energy is used.

ICON **DAYLIGHTING:** Optimized daylighting may lower the energy use and heat load associated with electric lights. Also, good daylighting supports productivity and occupant health.

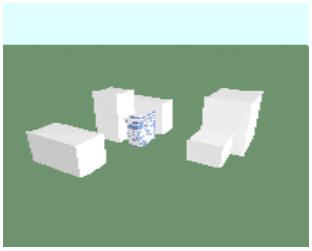
ICON **OCCUPANT COMFORT:** Good daylighting and well-designed mechanical systems both support comfort. Early analysis relative to these factors enhances consultant collaboration later on.

ICON **ENERGY USE:** At this stage in the project , there is still significant opportunity to lower energy use.

Sample Report: **Appendix**

The following are direct outputs from Sefaira. The raw data behind them can be exported to .CSV format for use in Excel and most data visualization tools.

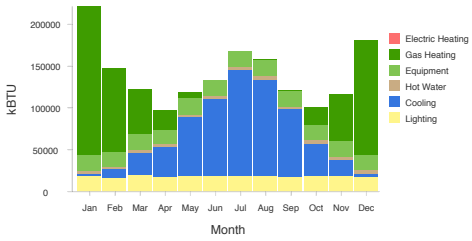
SketchUp Model



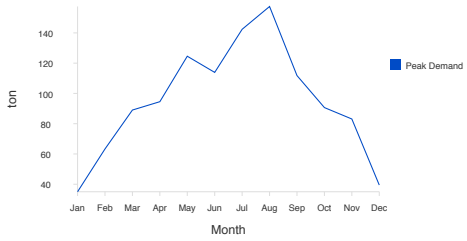
Resource Use & Utility Cost

Annual Electricity	1,307,249 kBTU	$91,948
Annual Heat	611,847 kBTU	$5,379
Annual Water	493,685 gal	$1,869
Feed in Tariff Electricity	0 kBTU	$0
Feed in Tariff Heat	0 $/MMBTU	$0
Total Annual Utility Cost		$99,196

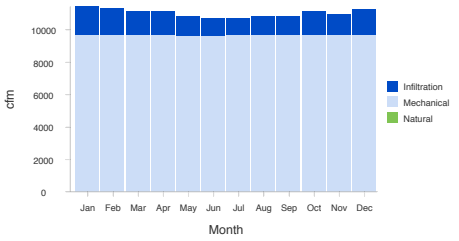
Energy Footprint (kBTU)



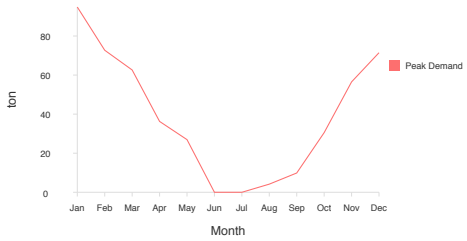
Peak Space Cooling Demand (ton)



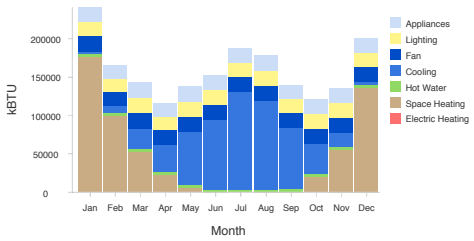
Airflow Rate (cfm)



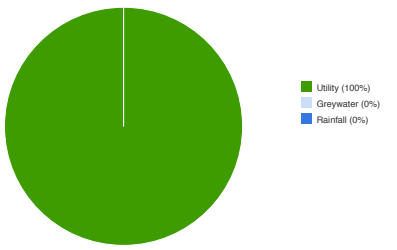
Peak Space Heating Demand (ton)



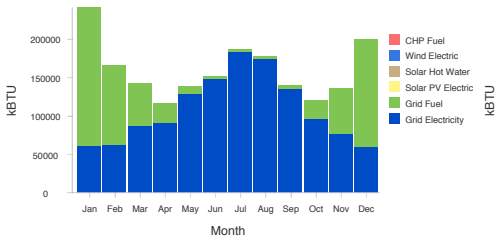
Monthly Consumption (kBTU)



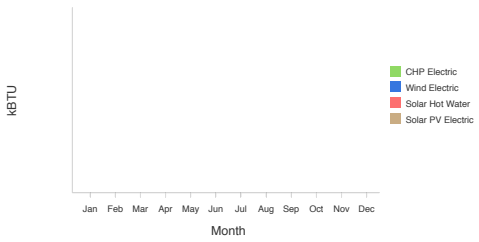
Annual Water Sources (gal)



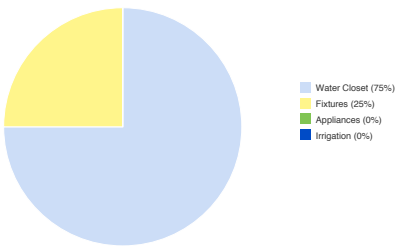
Monthly Energy Sources (kBTU)



Net Renewable Production (kBTU)



Annual Water Use (gal)



Energy Use

1,919,096 kBTU

39 kBTU/ft^2

Water Use

493,685 gal

3 gal/person

CO_2 Emission

547,528 lbsCO_2

1,369 lbsCO_2/person