



Jacara Energy Report

We acknowledge and believe in the importance of understanding energy consumption as a first step toward building an environmentally friendly business case, in order to overcome the challenges of global warming. We are committed to the research and development of tools that will aid in combating climate change.

Jacara is a financial energy projection tool dedicated to assisting in the building of effective and accurate solutions that meet both the environmental and financial demands of our clients. It is our commitment to portray the financial viability of the solutions proposed through any of our tools as accurately and transparently as possible.



Customer Details	
Client Name	Okkie Potgieter
Client Company	Westacre
Address	Verster Street
Town	Somerset Wes
Email	okkie@westacre.com
Telephone	082 440 2019
Representative Name	Jacques van der Merwe
Representative Company	Solartech

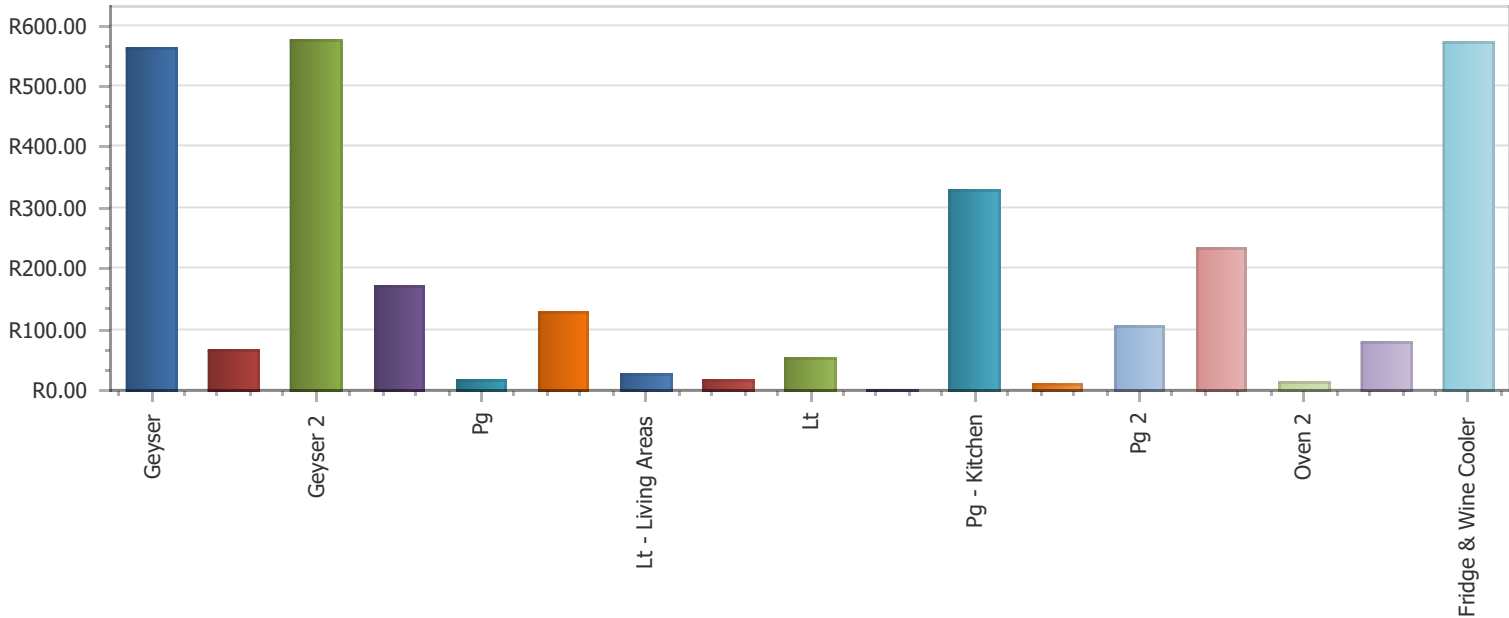
Electricity Breakdown	
Supply	BulkRate
Total Cost Per kW.h	R1.89
Additional Monthly Costs	R0.00

Consumption Breakdown and suggestions

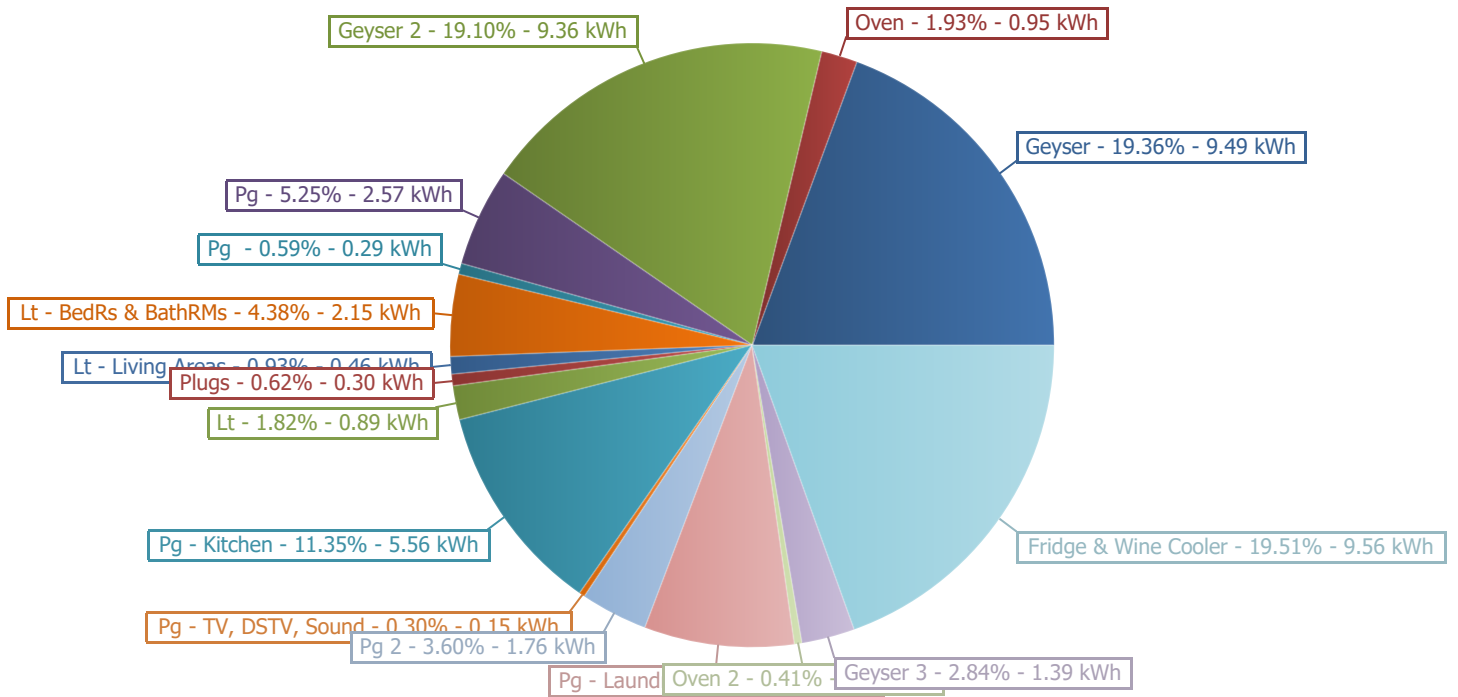
Line Name	Daily kW.h	Proposed Technology	Technology Cost	New kW.h	Payback (Months)
Geyser	9.49	Solar Geyser 200L	R32,000.00	.95	65
Oven	.95		R0.00	.95	0
Geyser 2	9.36	Retrofit 2.5m	R20,000.00	1.87	46
Pg	2.57		R0.00	2.57	0
Pg	.29		R0.00	.29	0
Lt - BedRs & BathRMs	2.15		R0.00	2.15	0
Lt - Living Areas	.46		R0.00	.46	0
Plugs	.30		R0.00	.30	0
Lt	.89		R0.00	.89	0
Air Conditioner	.00		R0.00	.00	0
Pg - Kitchen	5.56		R0.00	5.56	0
Pg - TV, DSTV, Sound	.15		R0.00	.15	0
Pg 2	1.76		R0.00	1.76	0
Pg - Laundry	3.93		R0.00	3.93	0
Oven 2	.20		R0.00	.20	0
Geyser 3	1.39		R0.00	1.39	0
Fridge & Wine Cooler	9.56	Efficient refrigeration	R10,000.00	1.91	23
	49.01		R62,000.00	25.33	

Total Current Monthly Cost	R2,824.87
Total Capital Layout	R62,000.00
Projected Monthly Cost	R1,341.42
Total Monthly Savings	R1,483.45
% Monthly Savings	53.00%
Current Daily Consumption	49.01kWh
Efficiency Target	25.33kWh

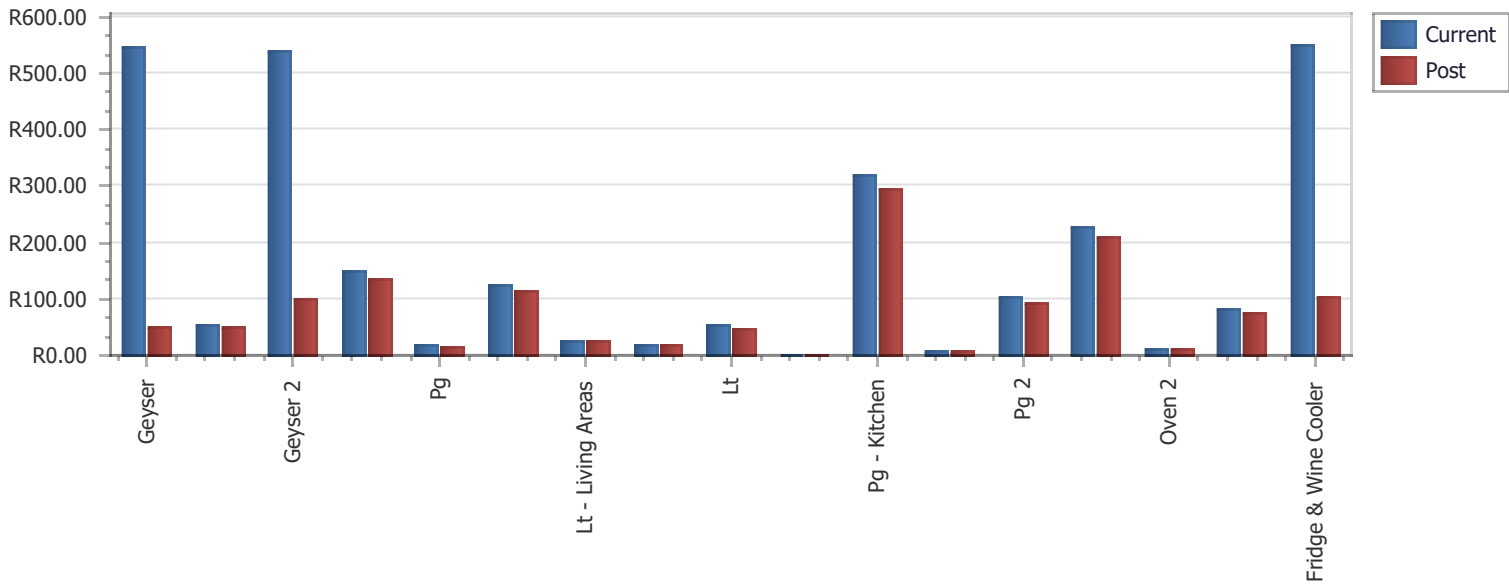
Consumption Breakdown



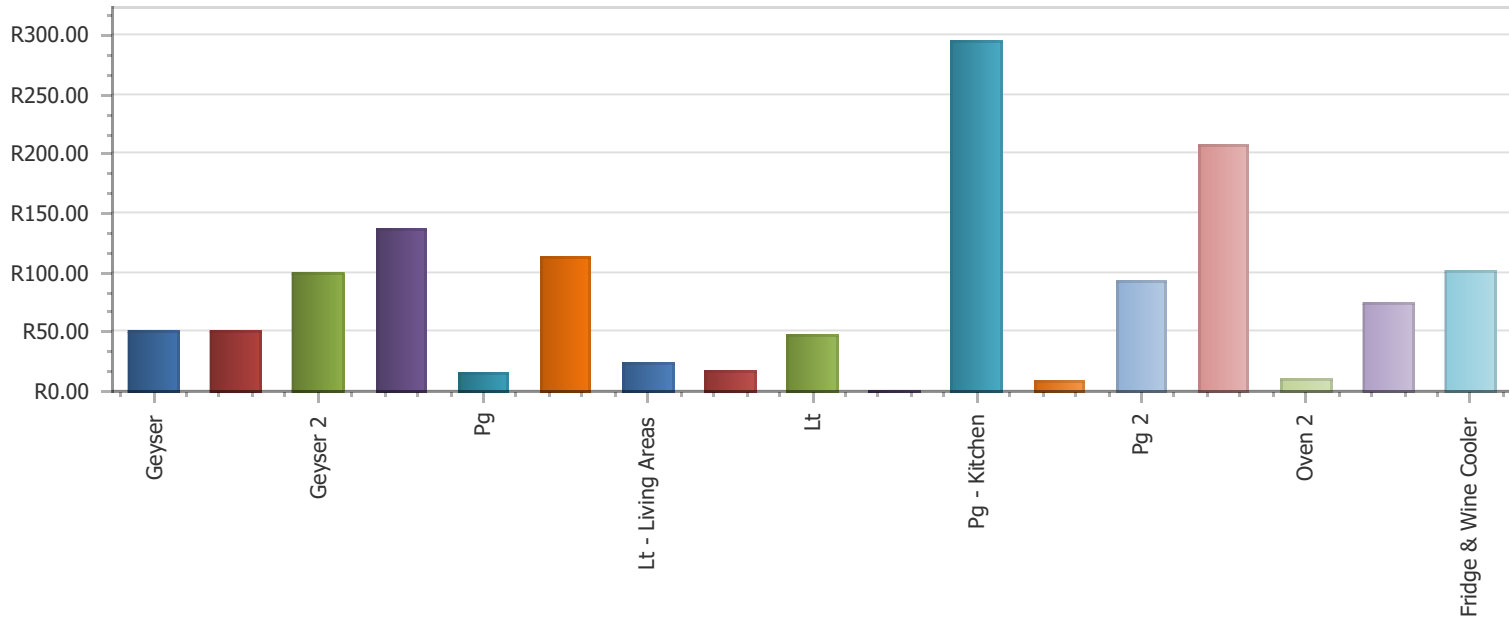
Annual Electrical Usage



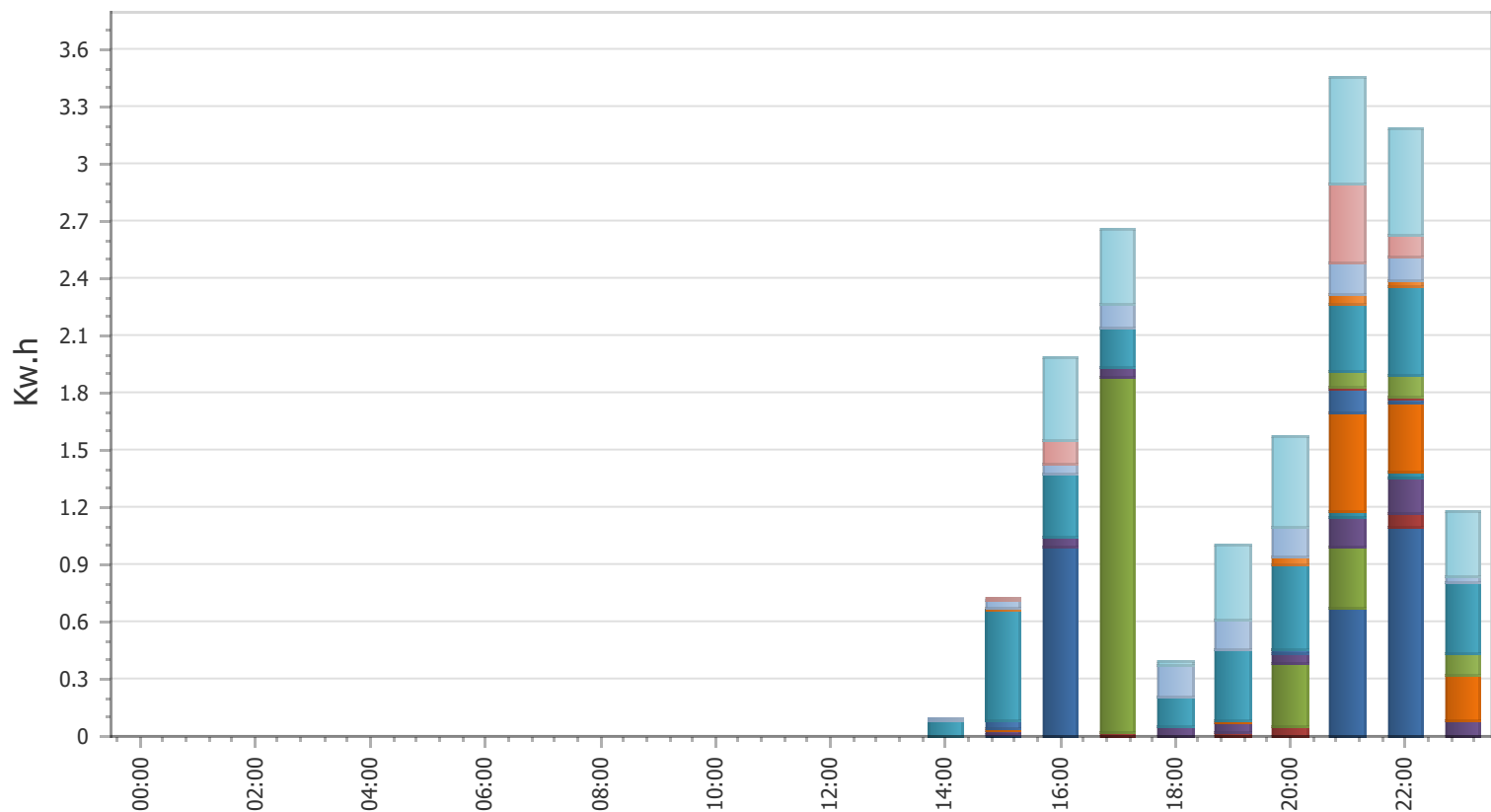
Cost Comparison



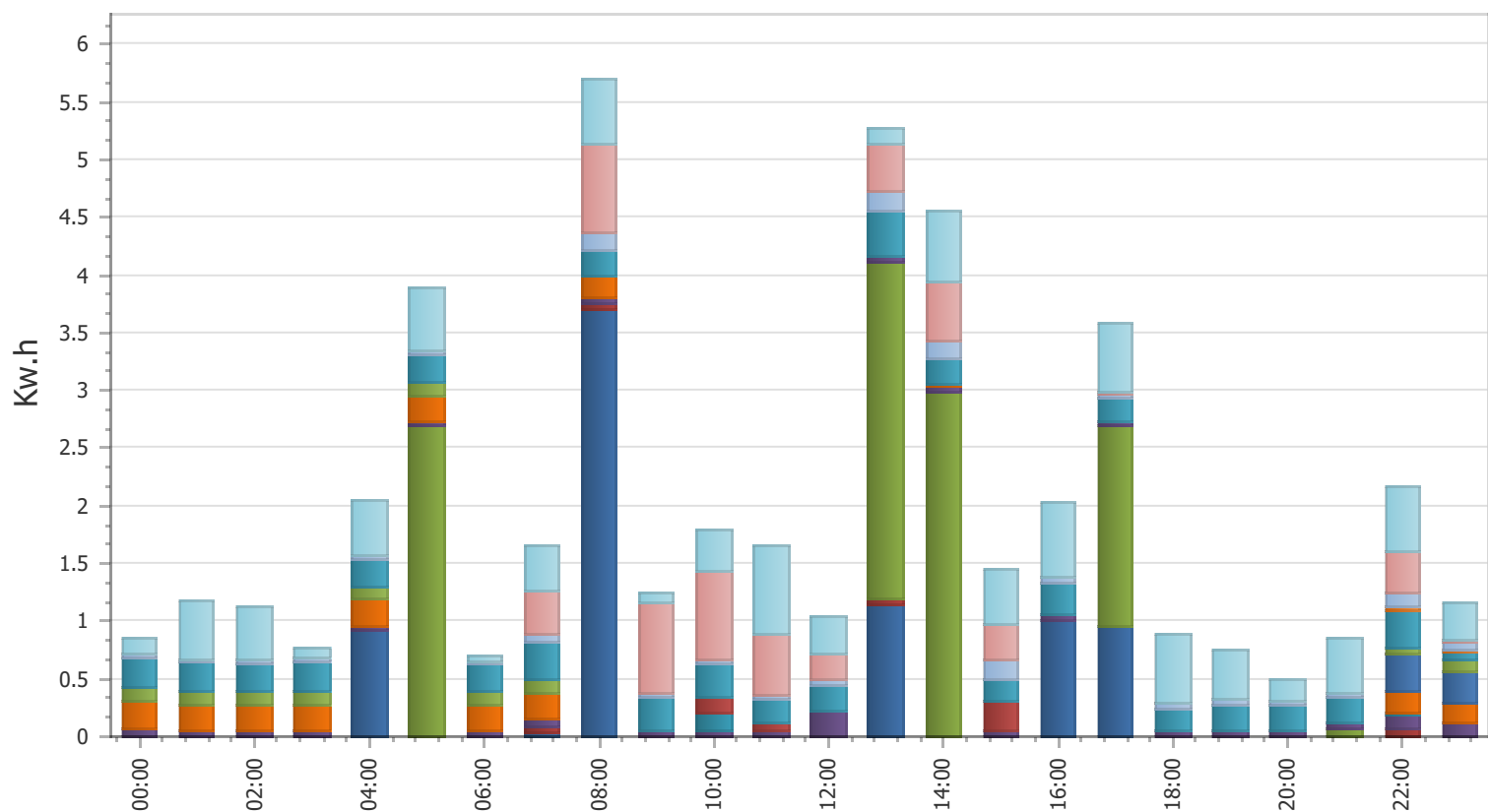
Post Efficiency Cost Profile



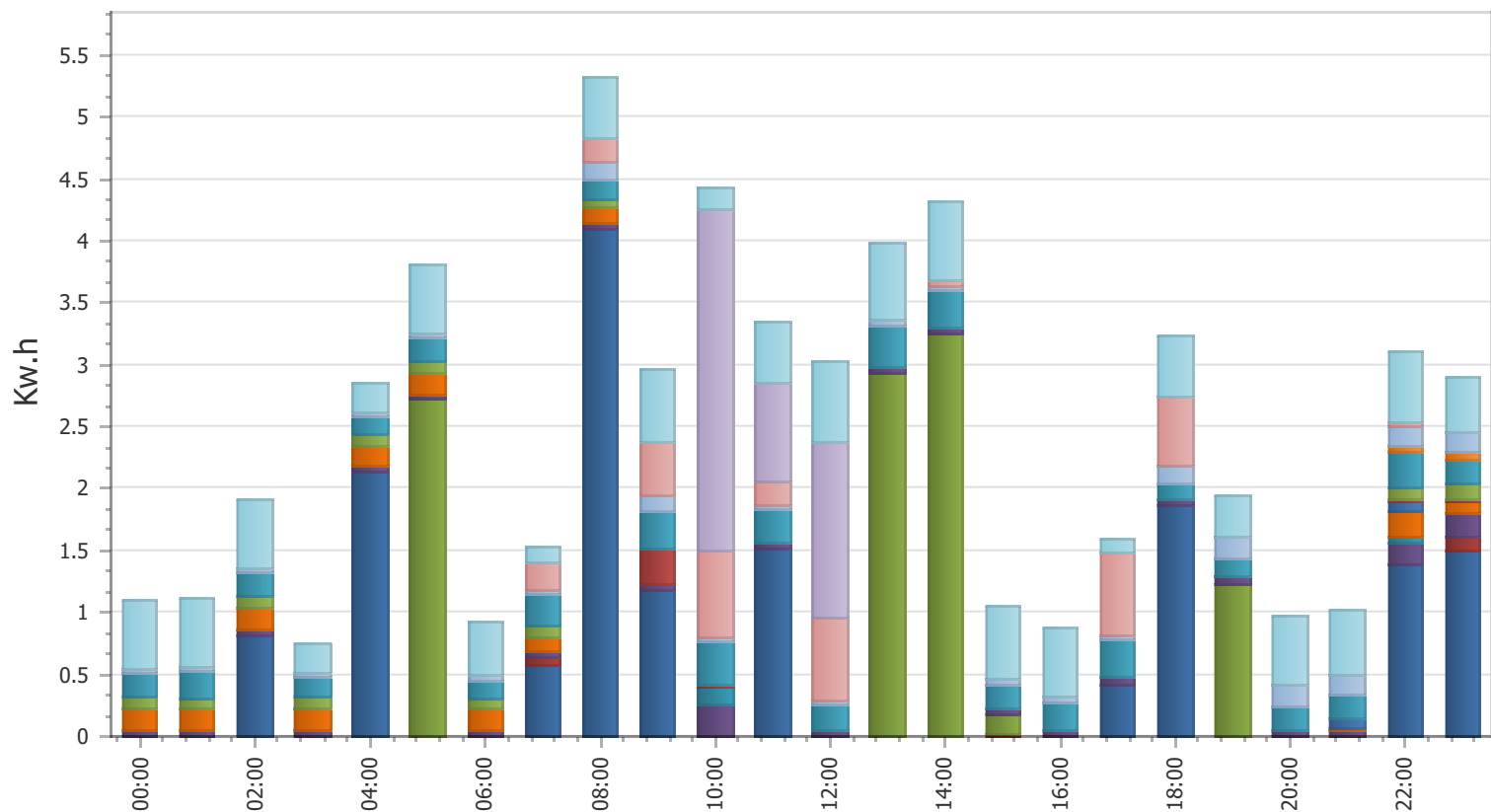
Current Energy Profile-Day 1



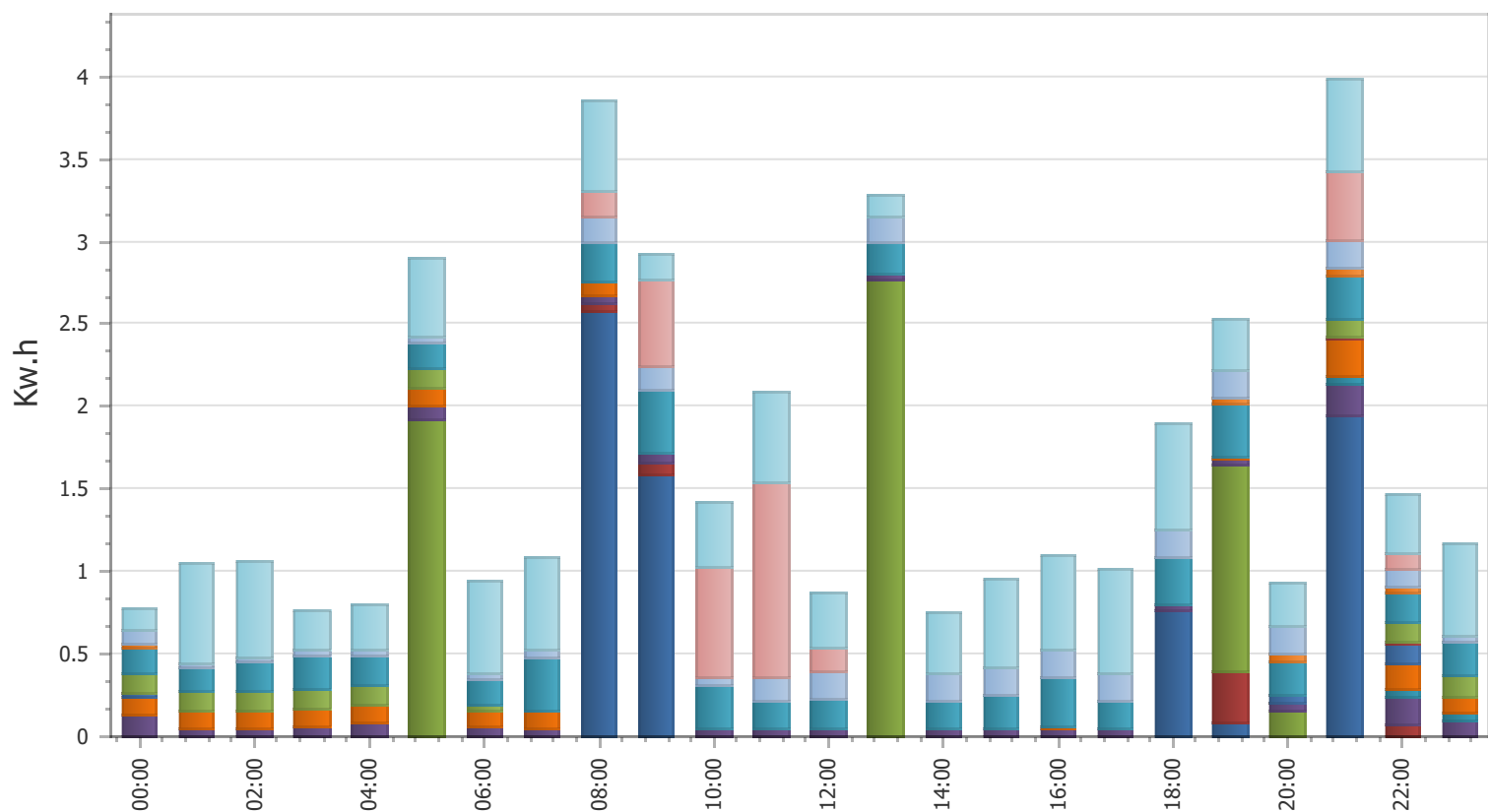
Current Energy Profile-Day 2



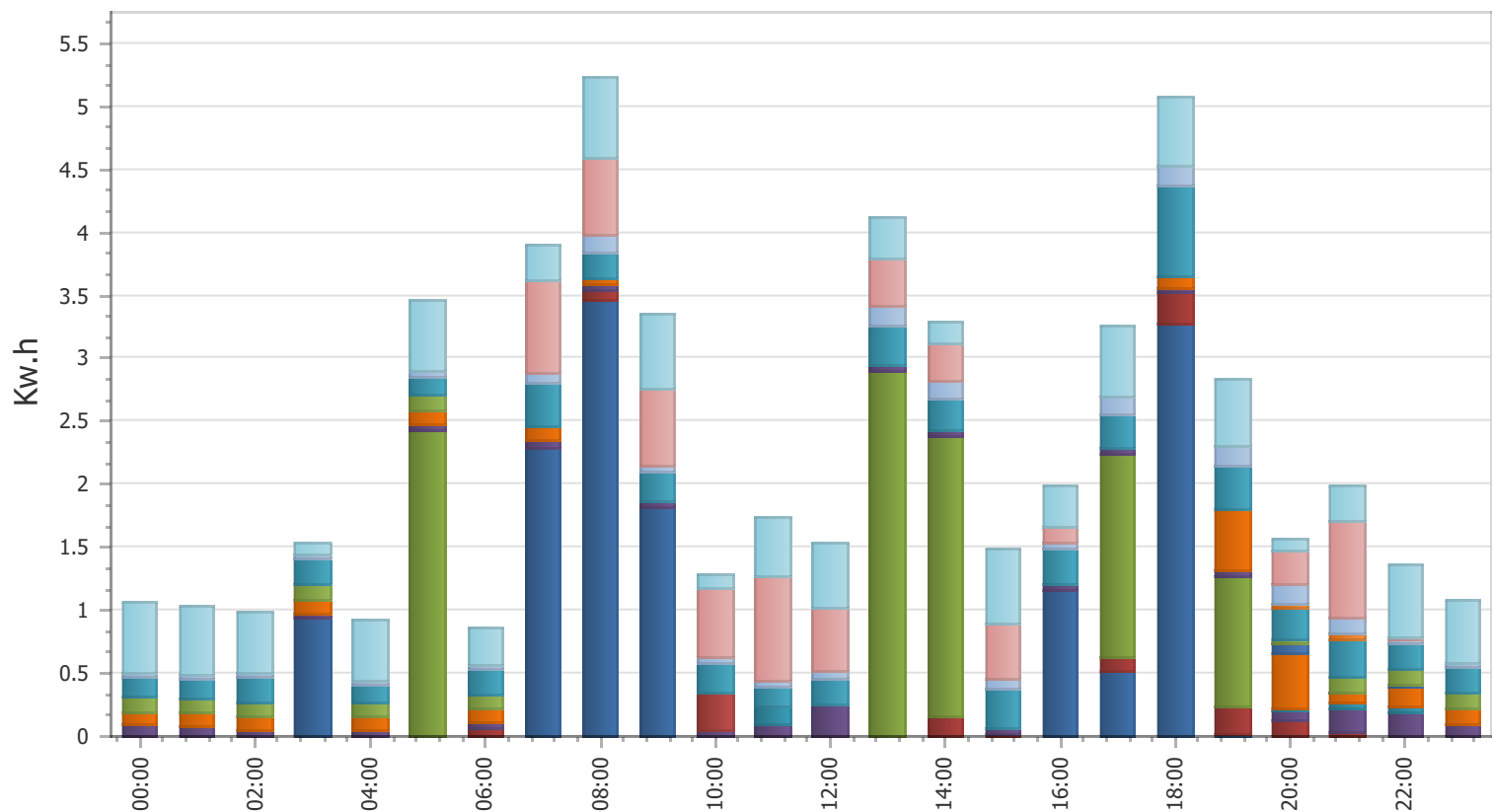
Current Energy Profile-Day 3



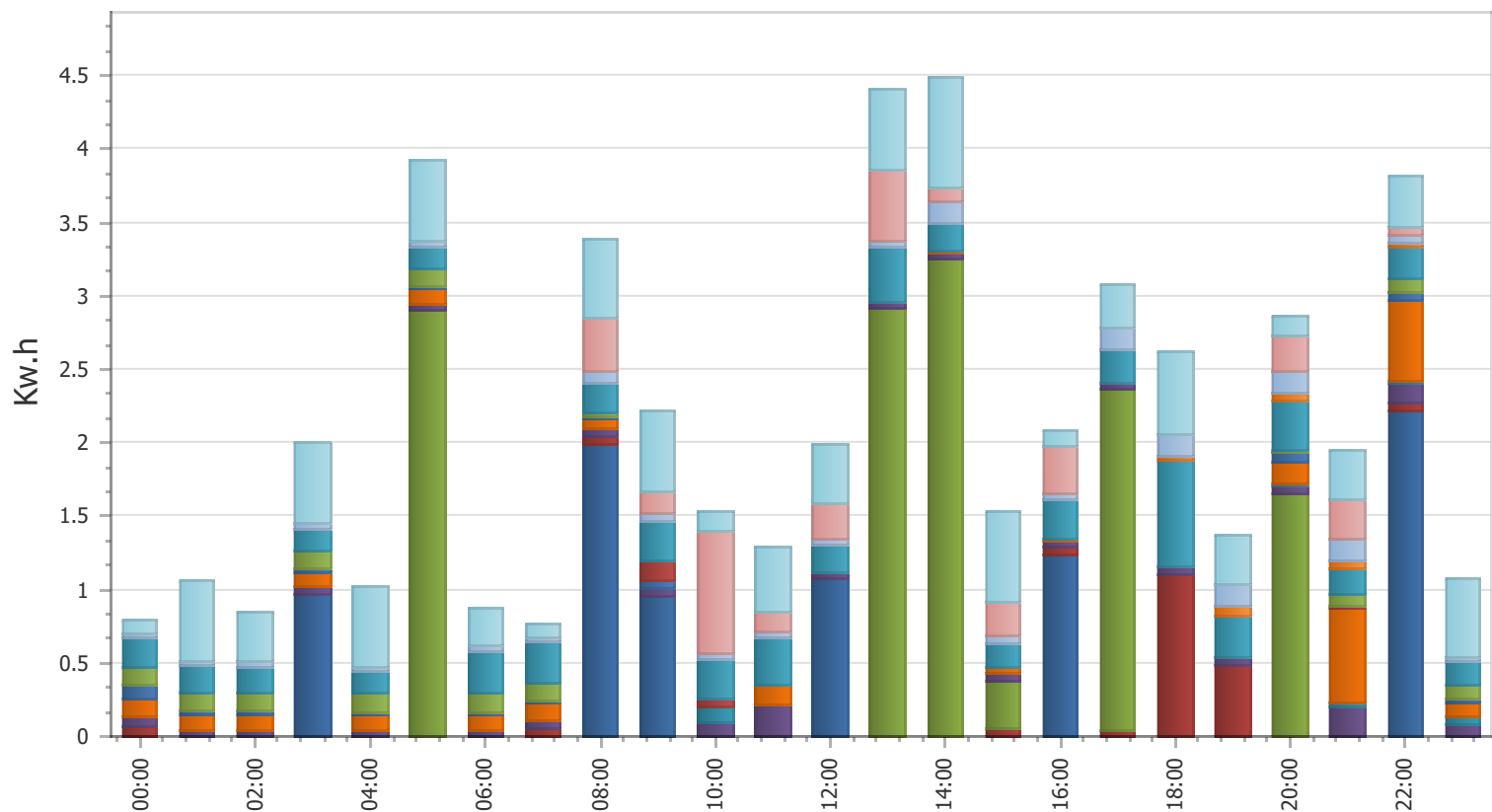
Current Energy Profile-Day 4



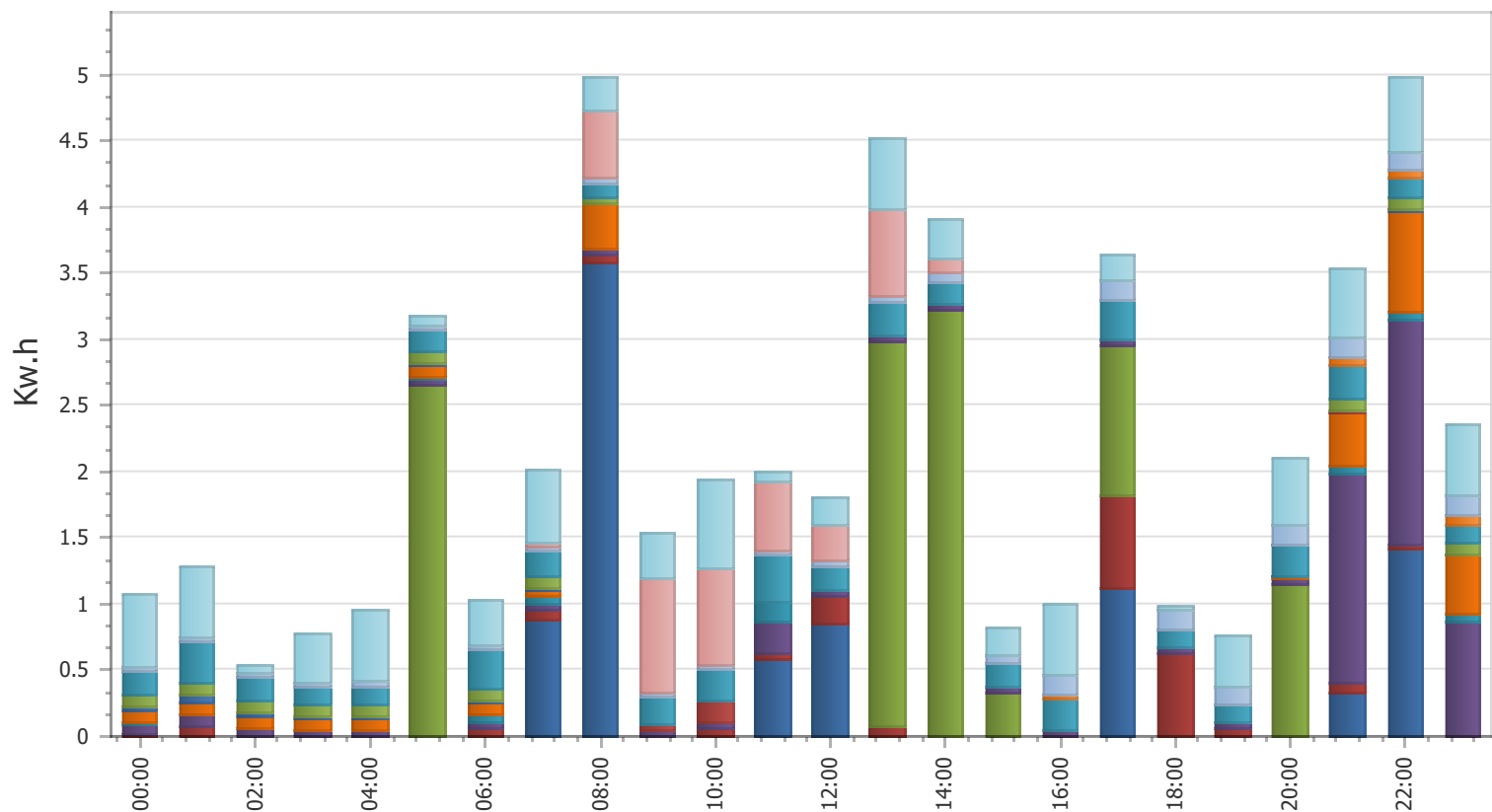
Current Energy Profile-Day 5



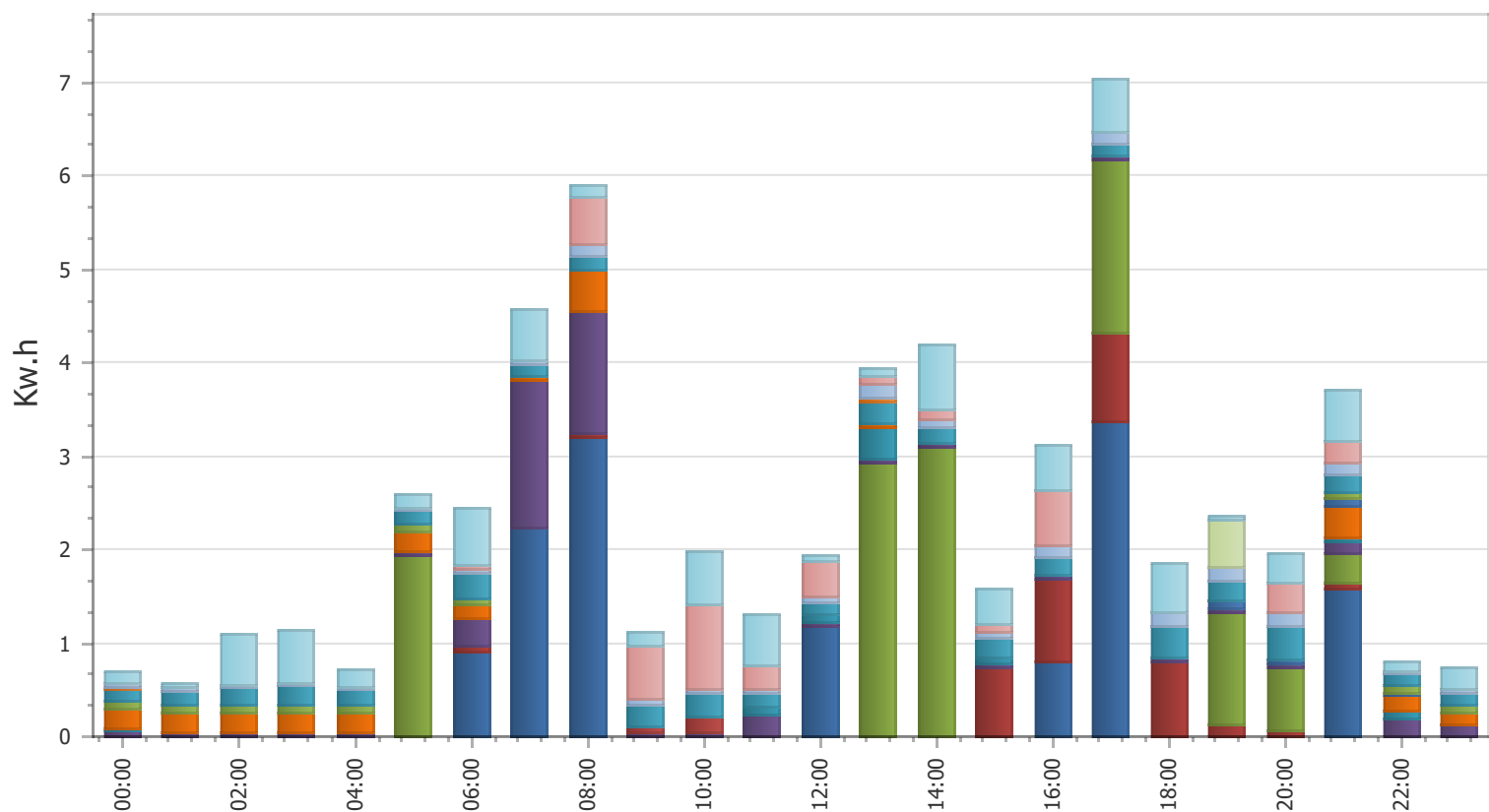
Current Energy Profile-Day 6



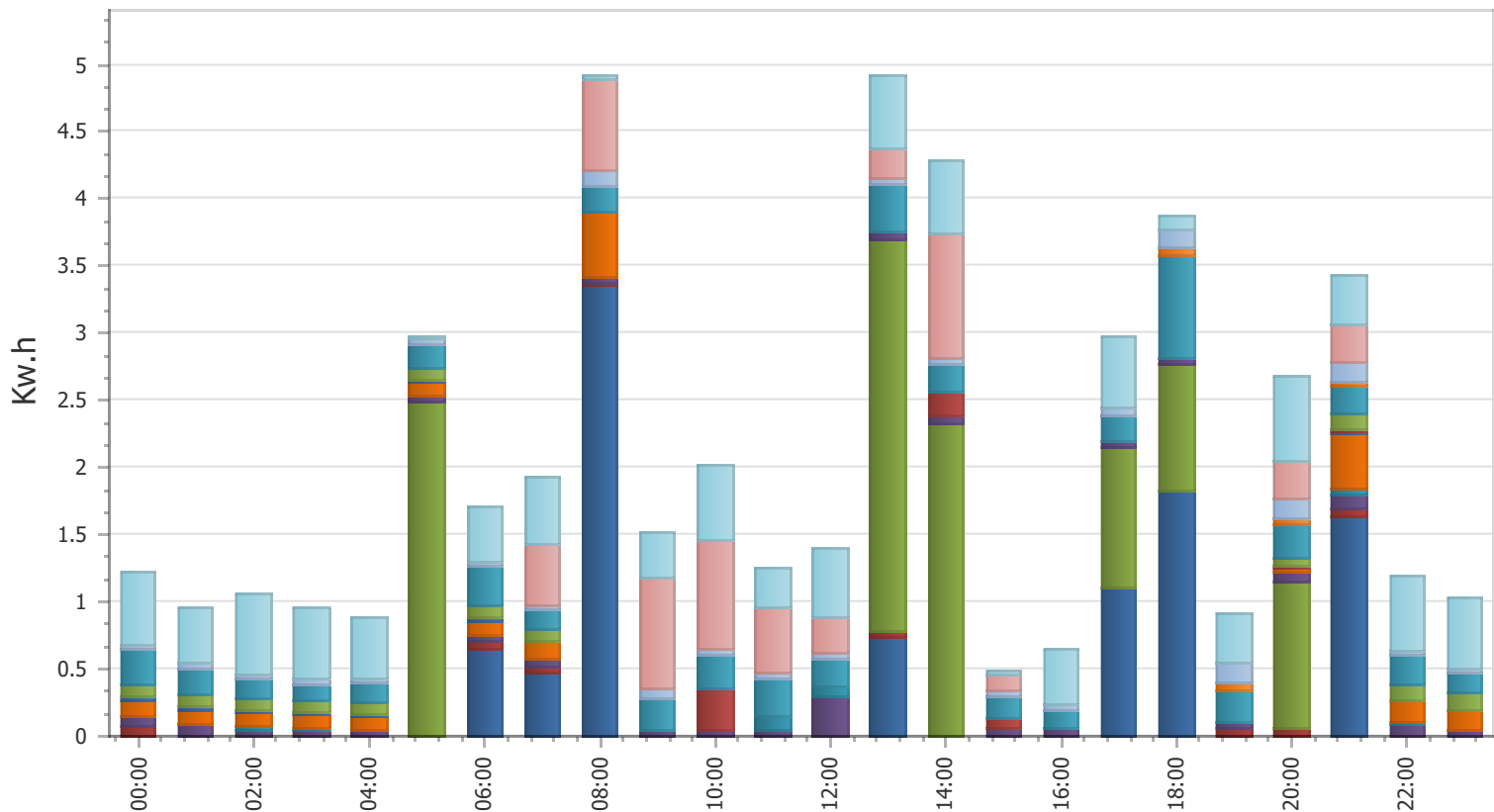
Current Energy Profile-Day 7



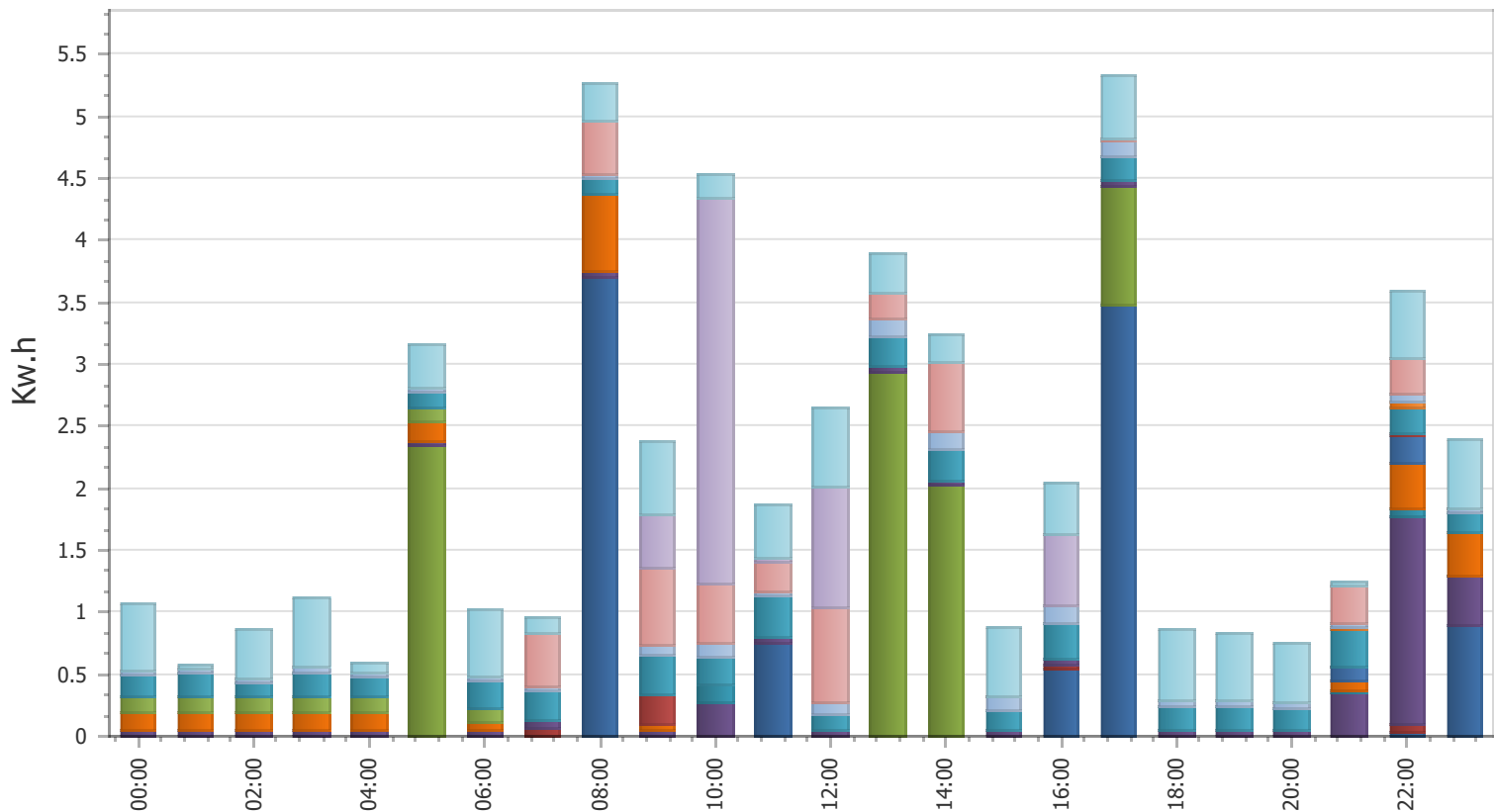
Current Energy Profile-Day 8



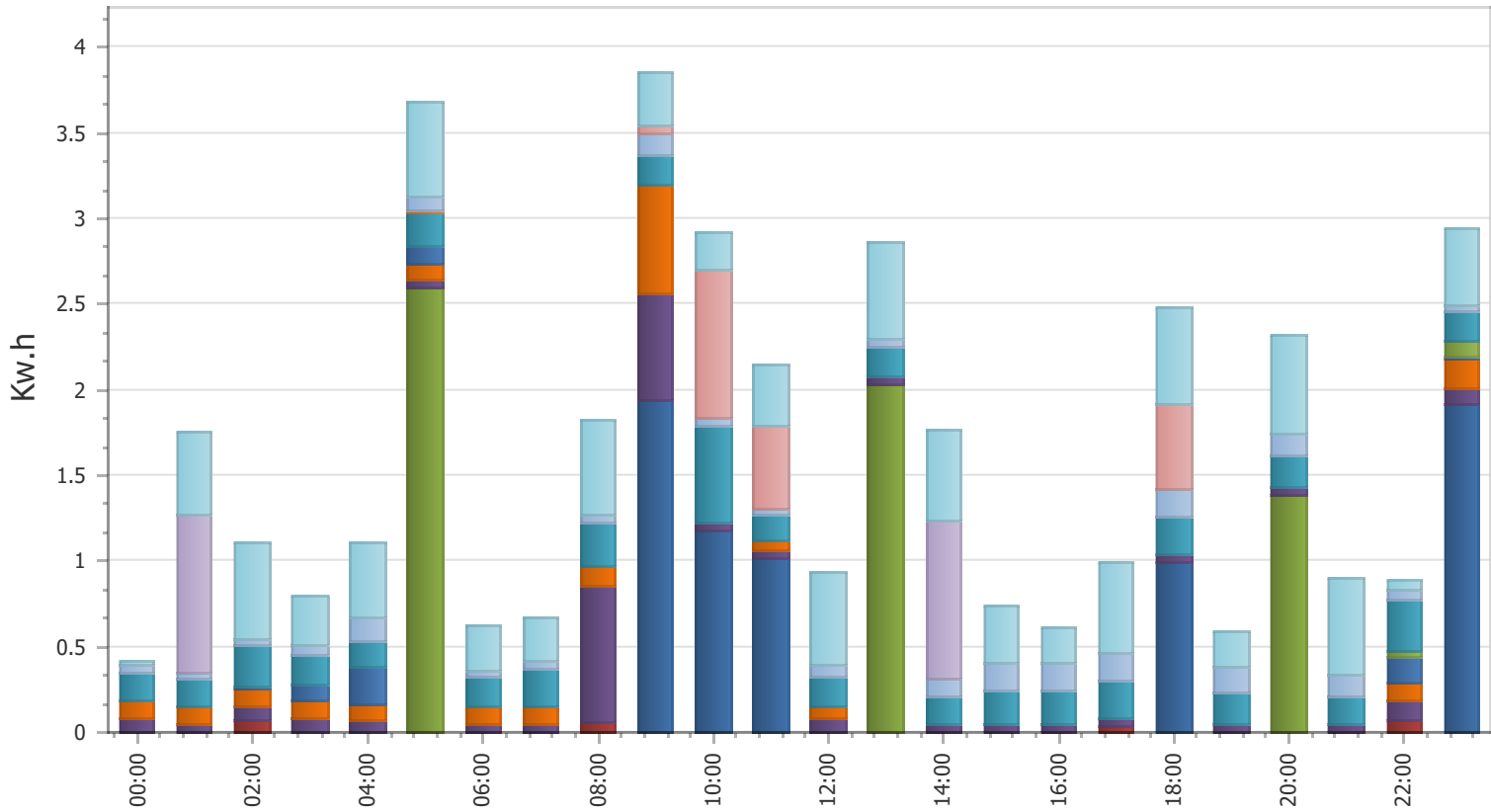
Current Energy Profile-Day 9



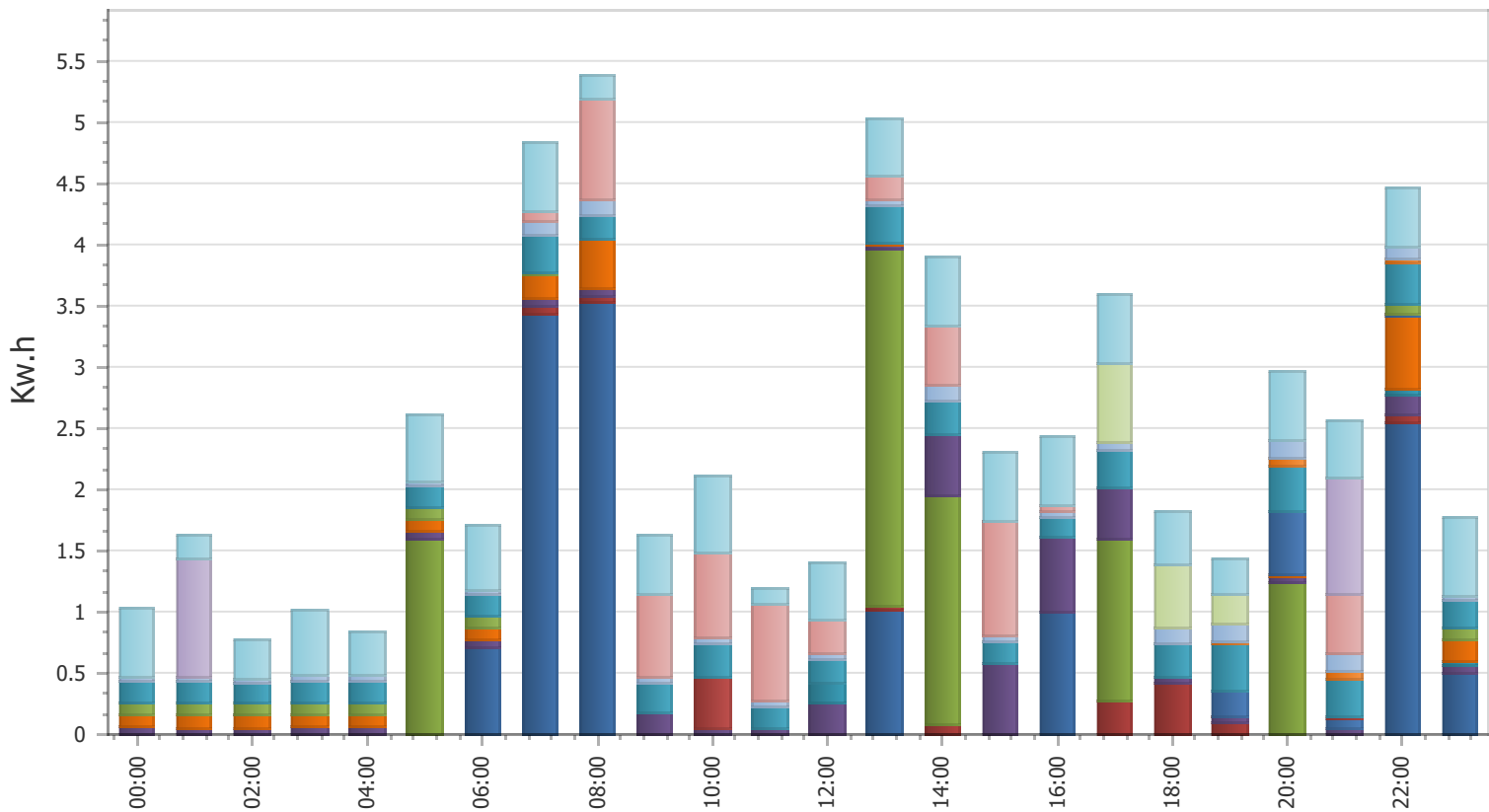
Current Energy Profile-Day 10



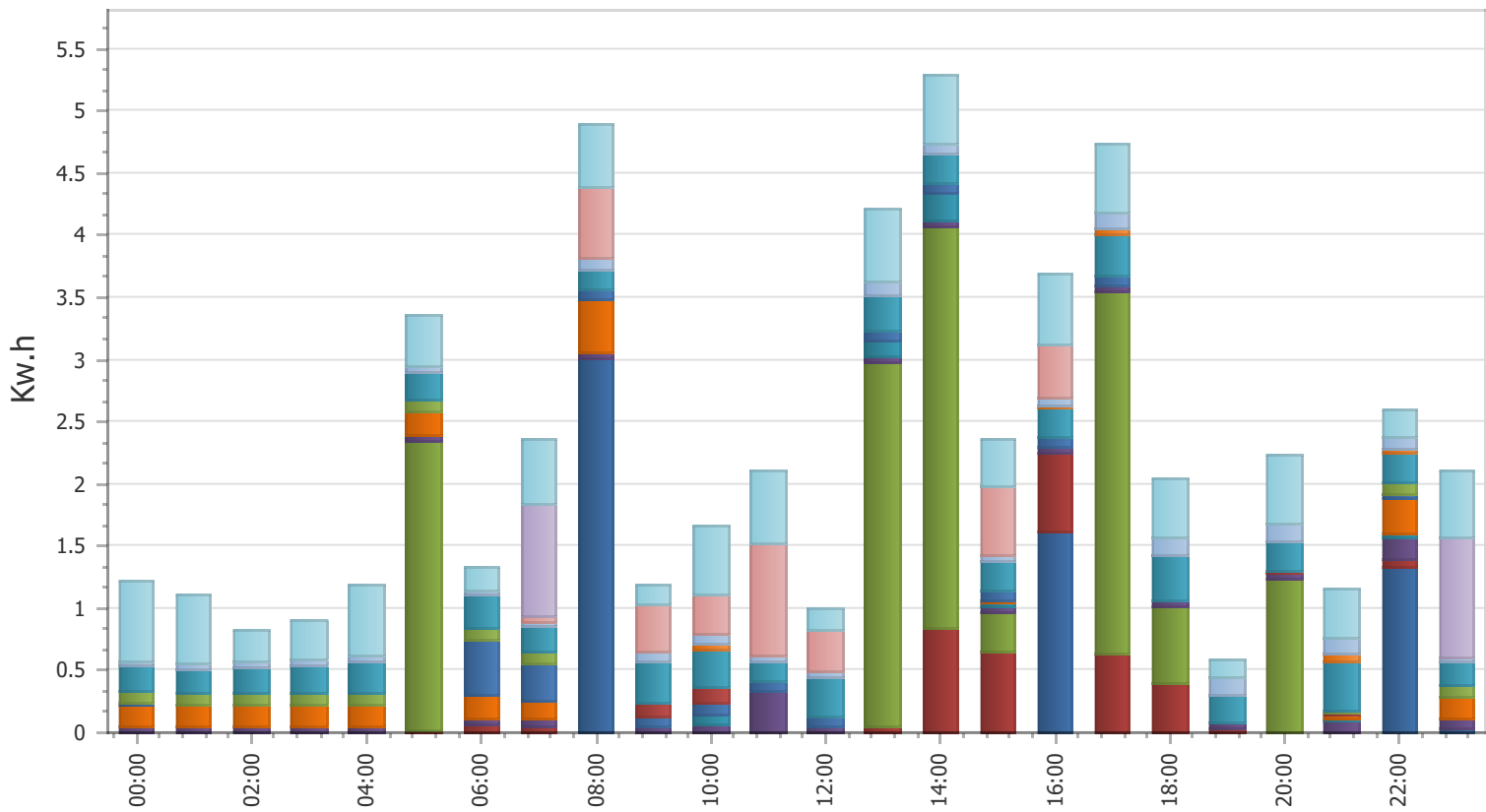
Current Energy Profile-Day 11



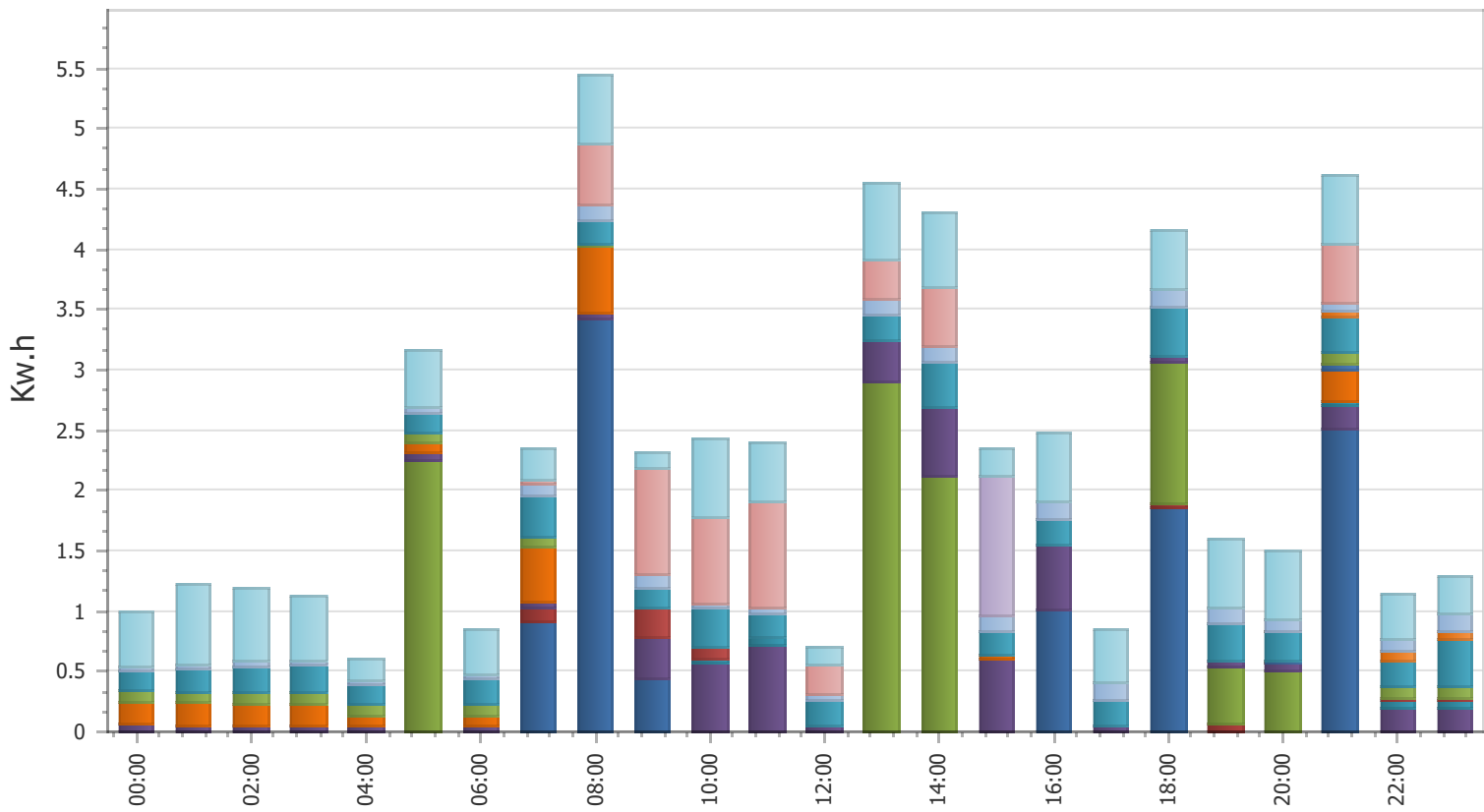
Current Energy Profile-Day 12



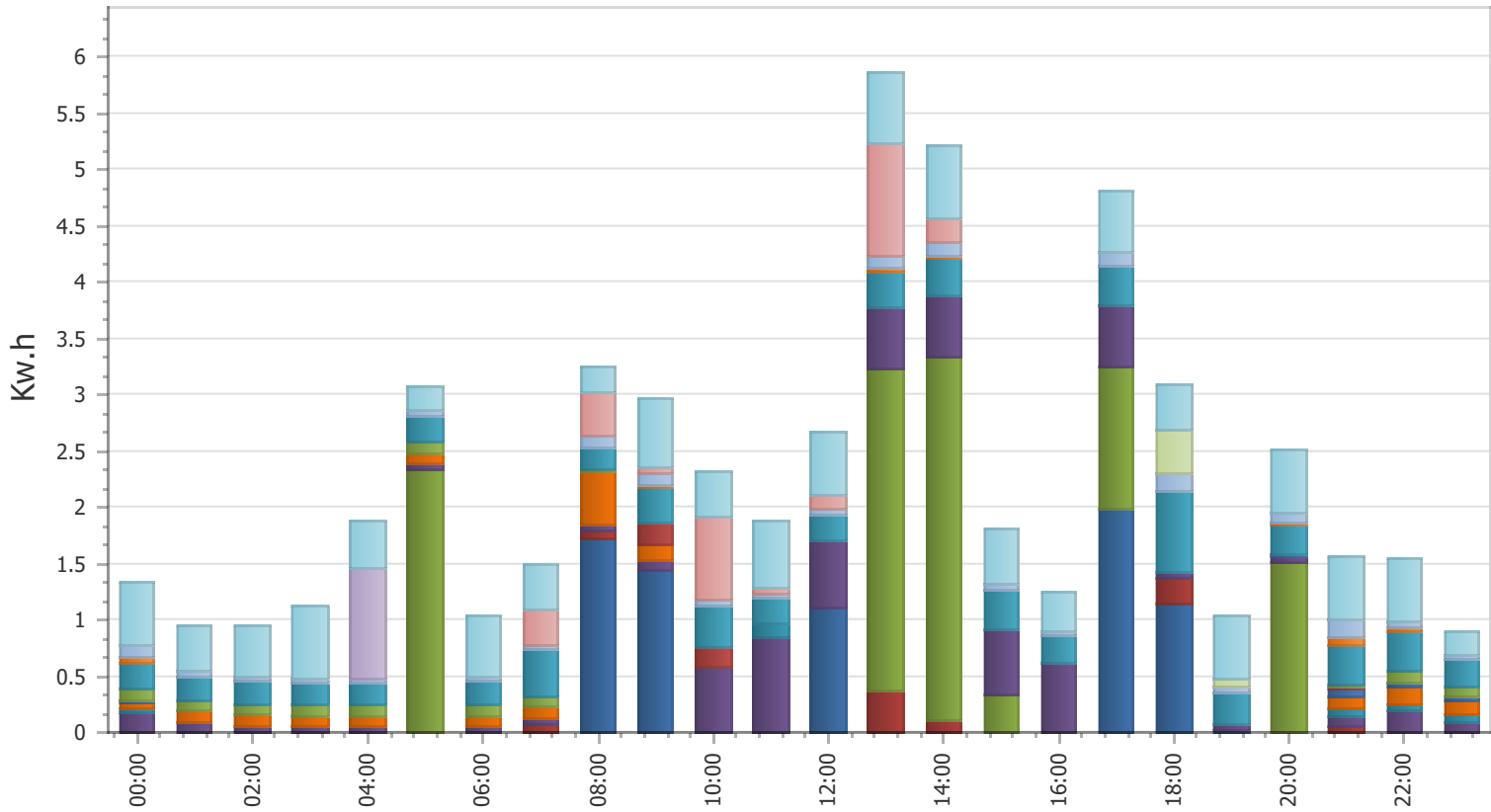
Current Energy Profile-Day 13



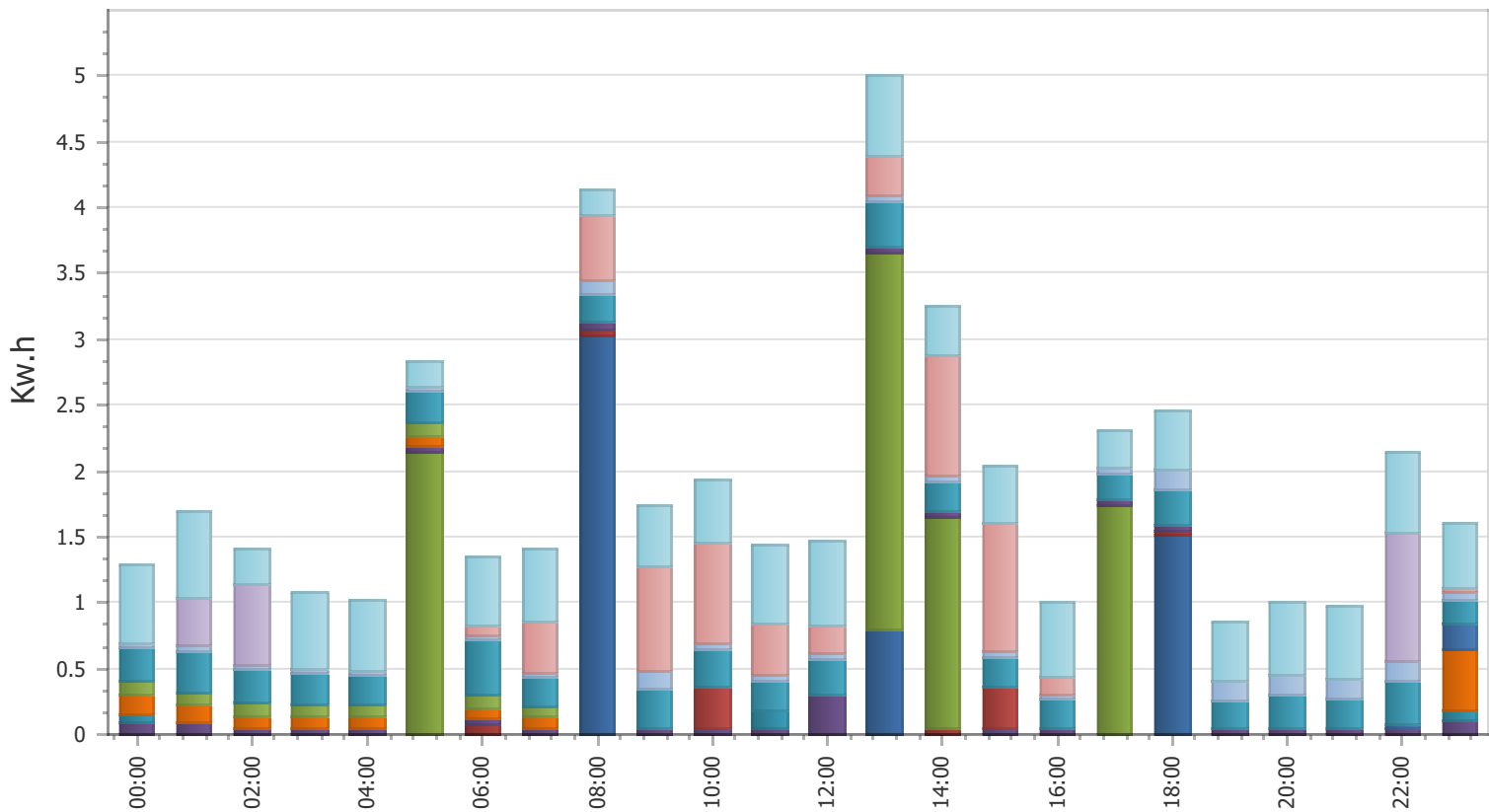
Current Energy Profile-Day 14



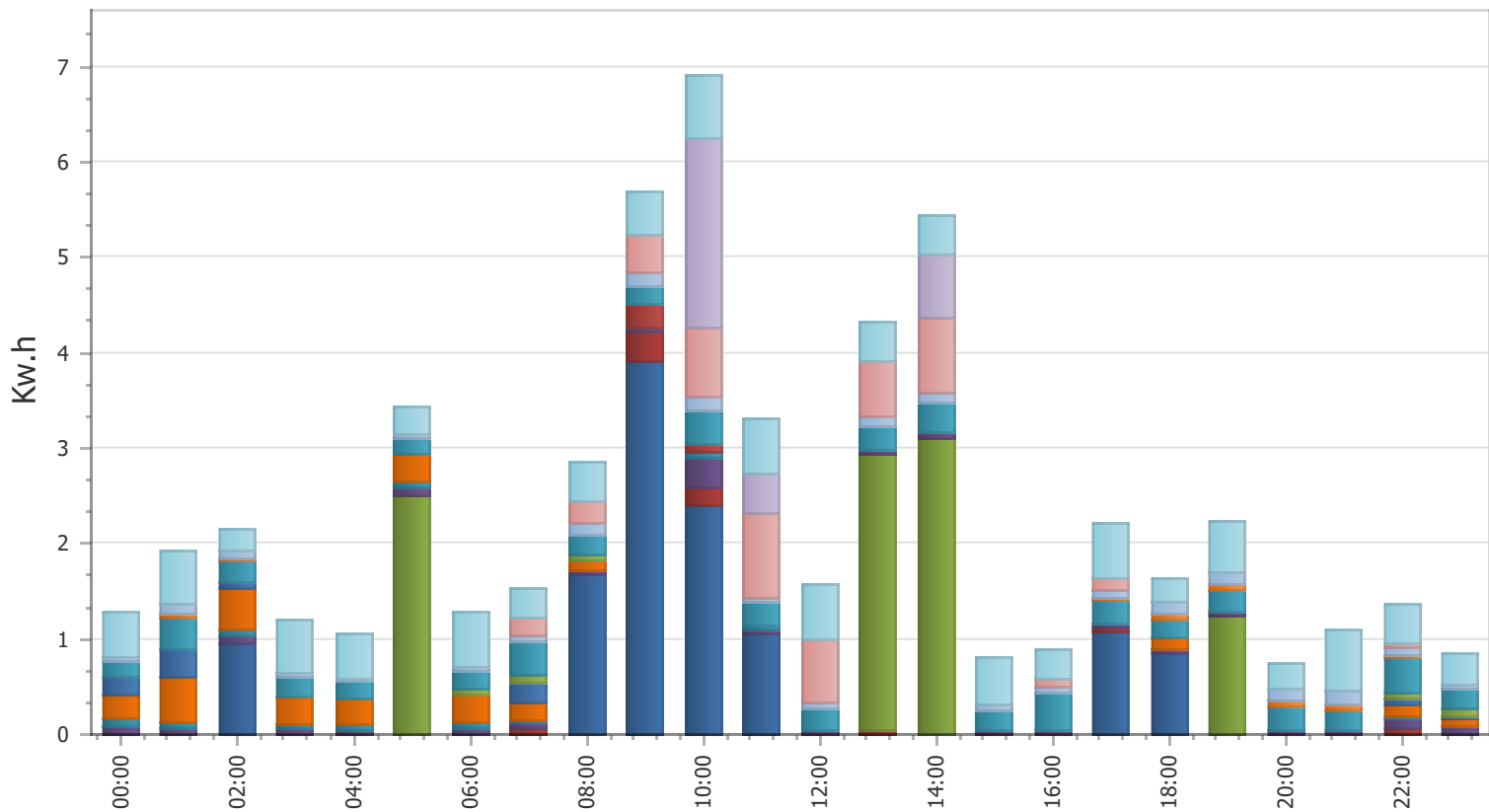
Current Energy Profile-Day 15



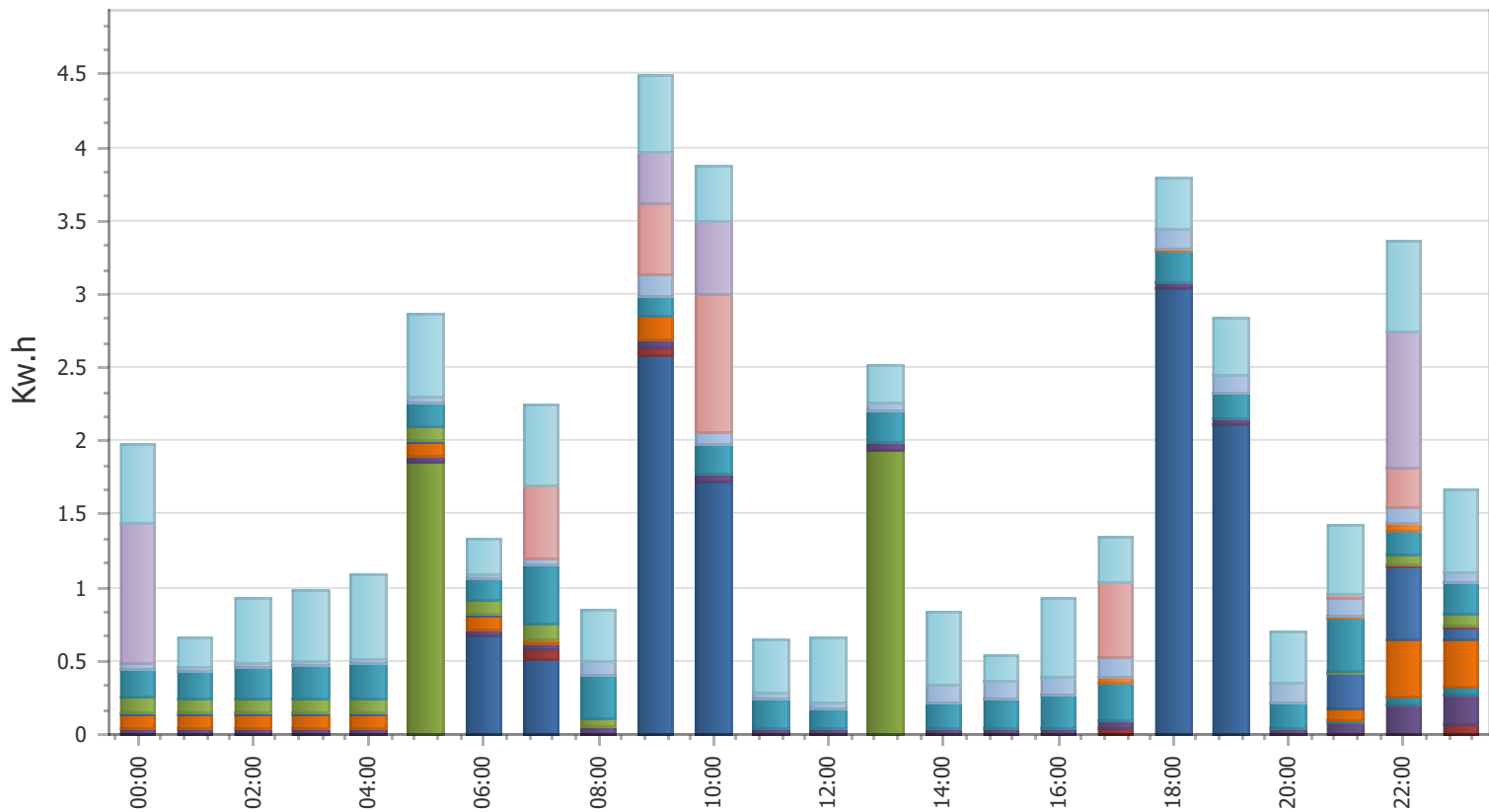
Current Energy Profile-Day 16



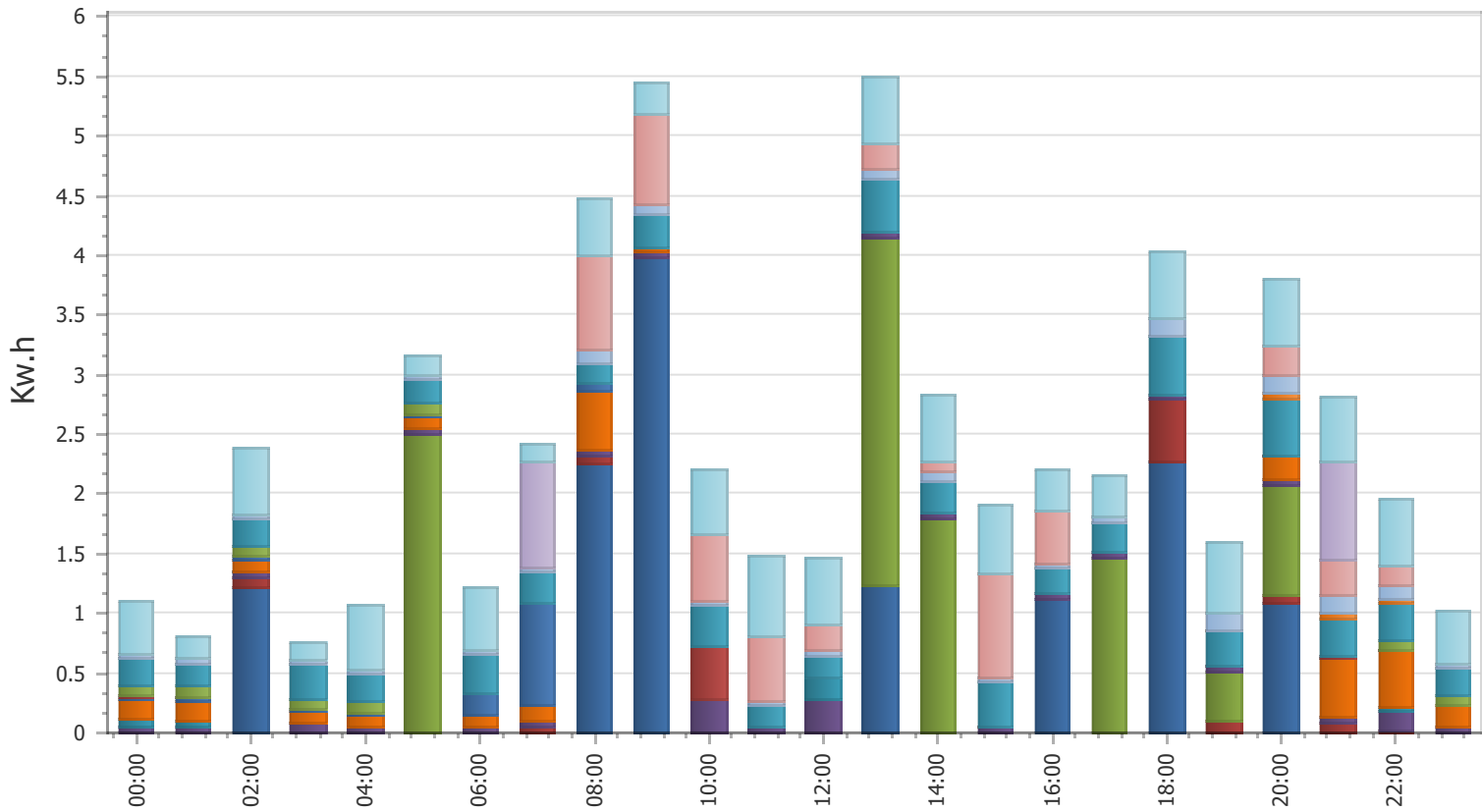
Current Energy Profile-Day 17



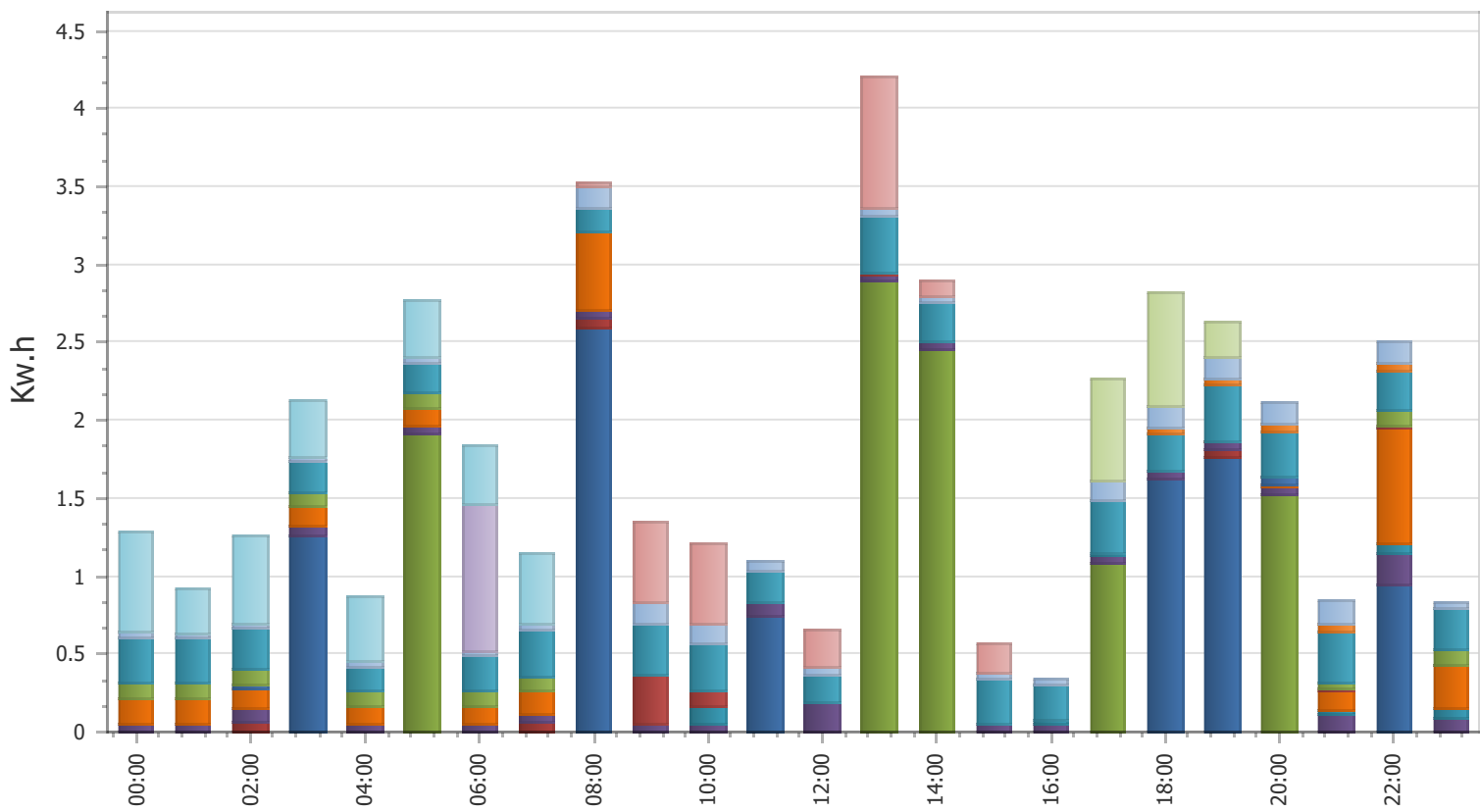
Current Energy Profile-Day 18



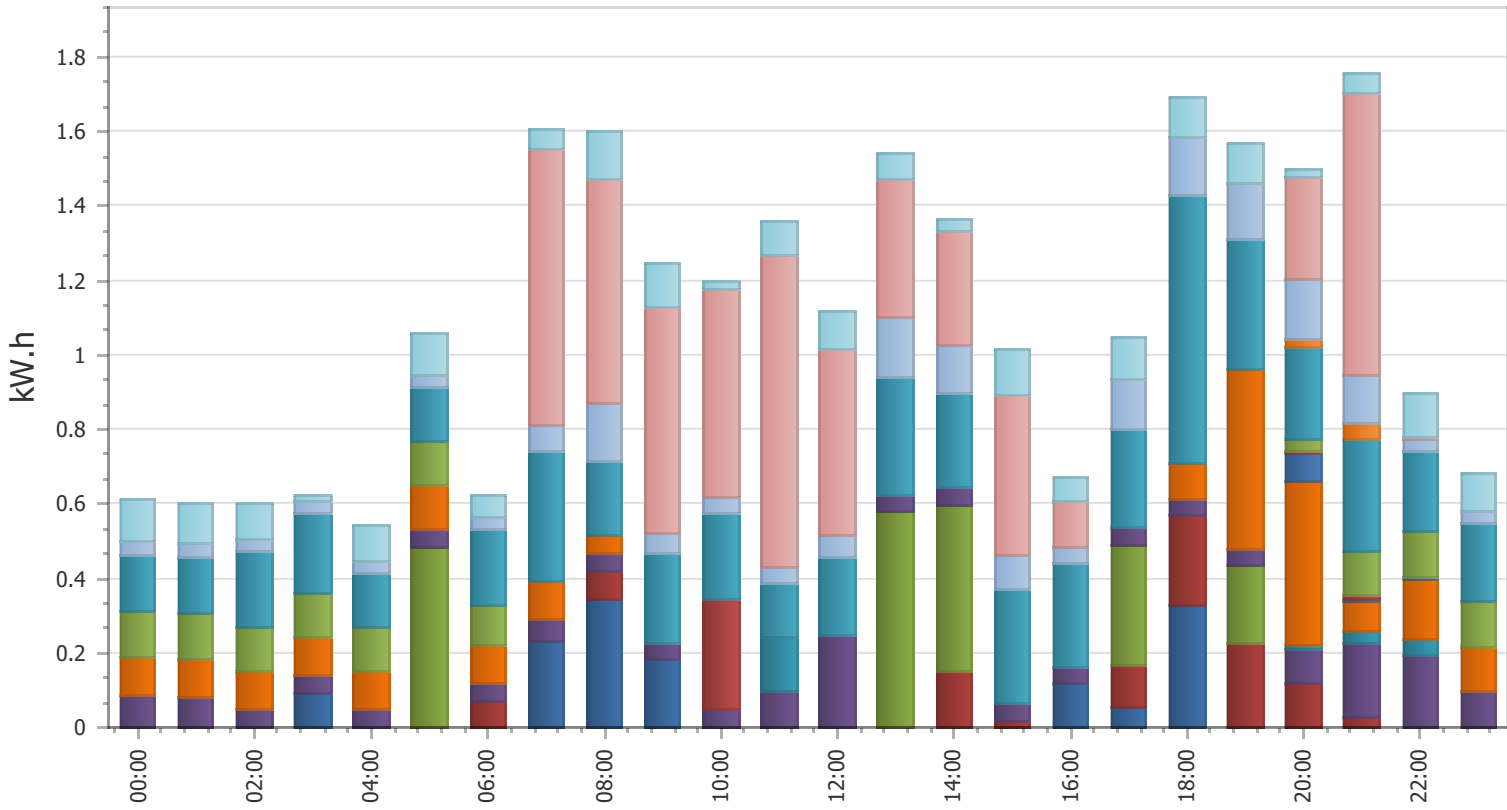
Current Energy Profile-Day 19



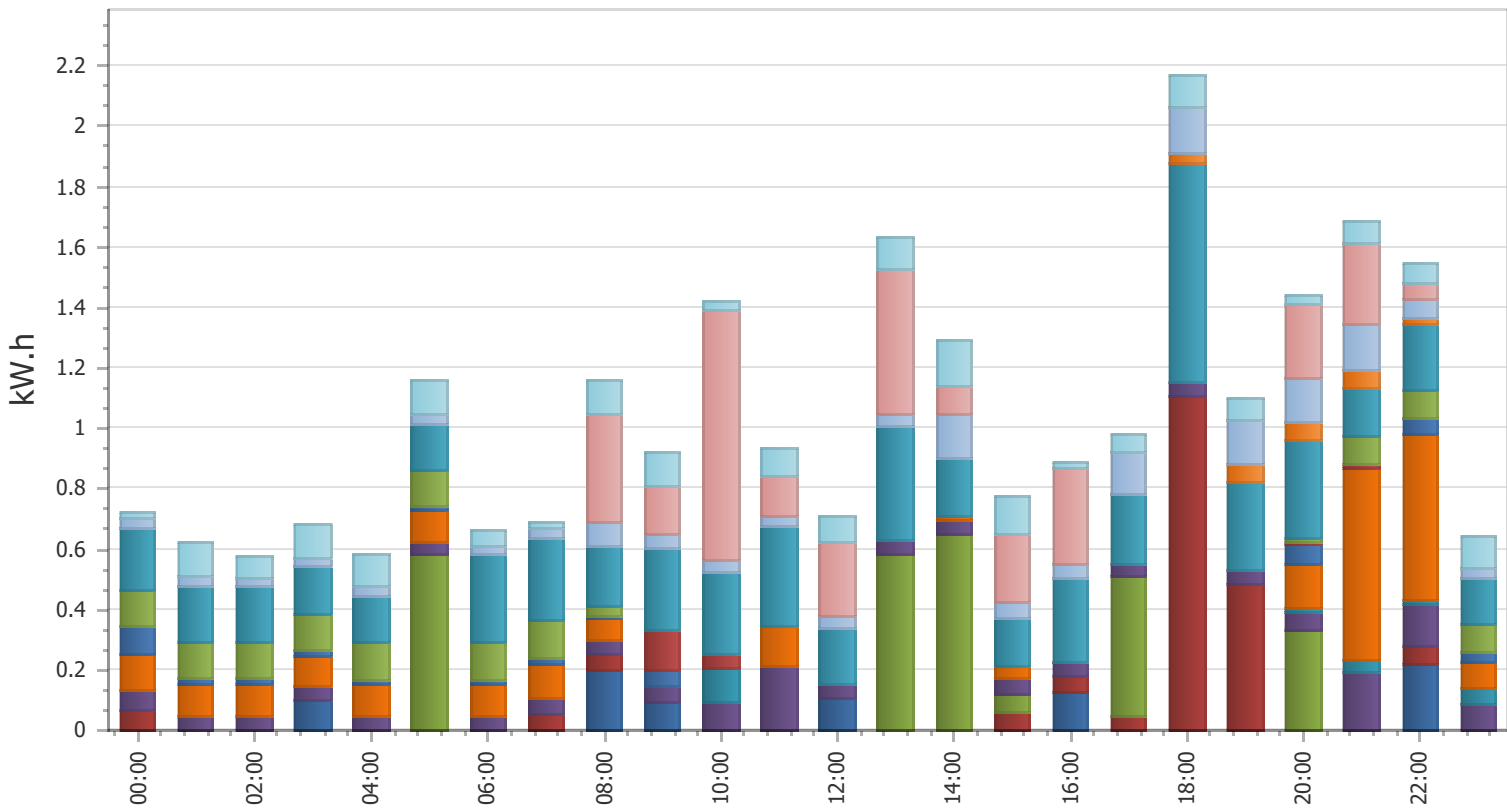
Current Energy Profile-Day 20



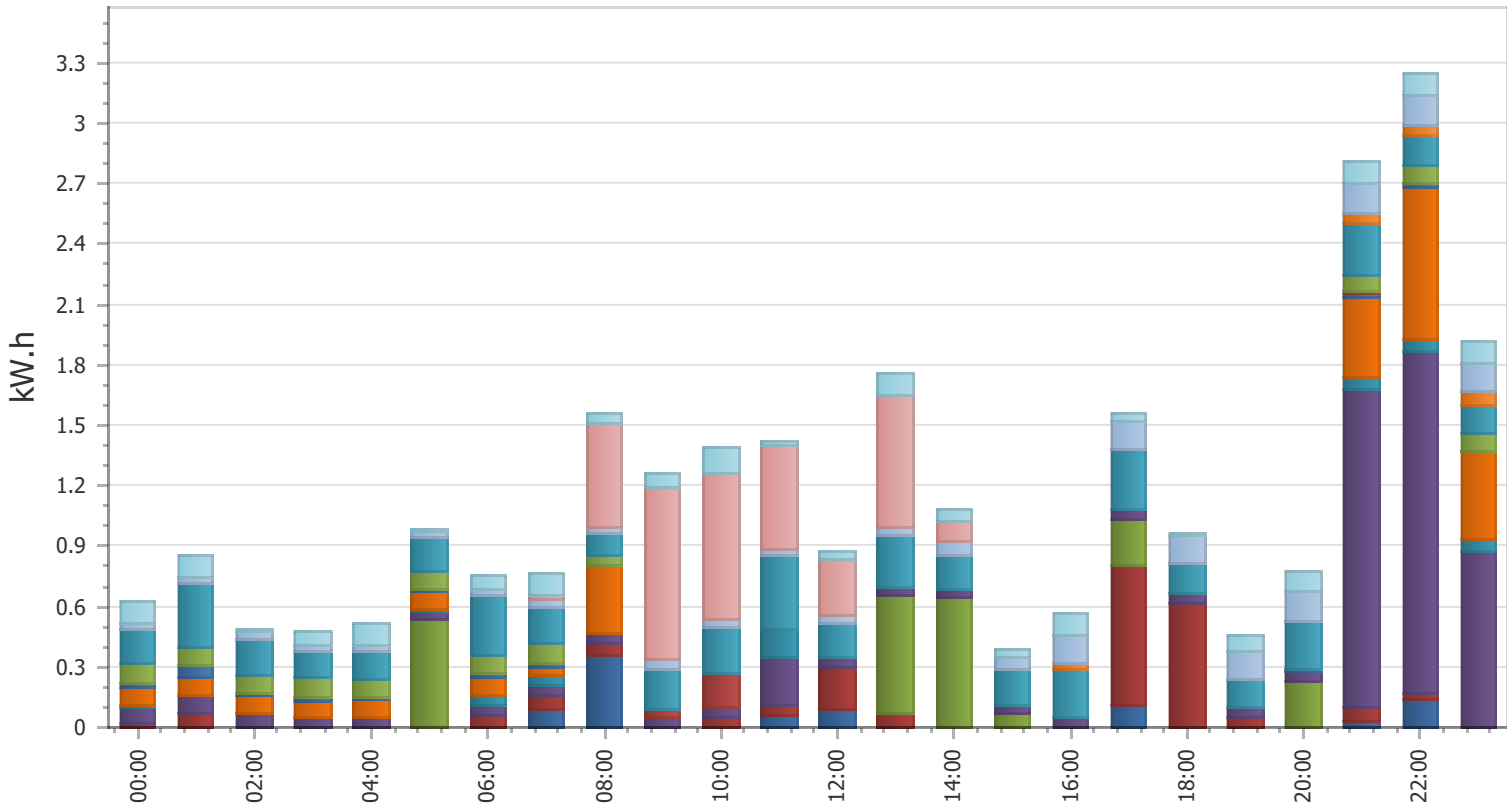
Projected Energy Profile-Day 1



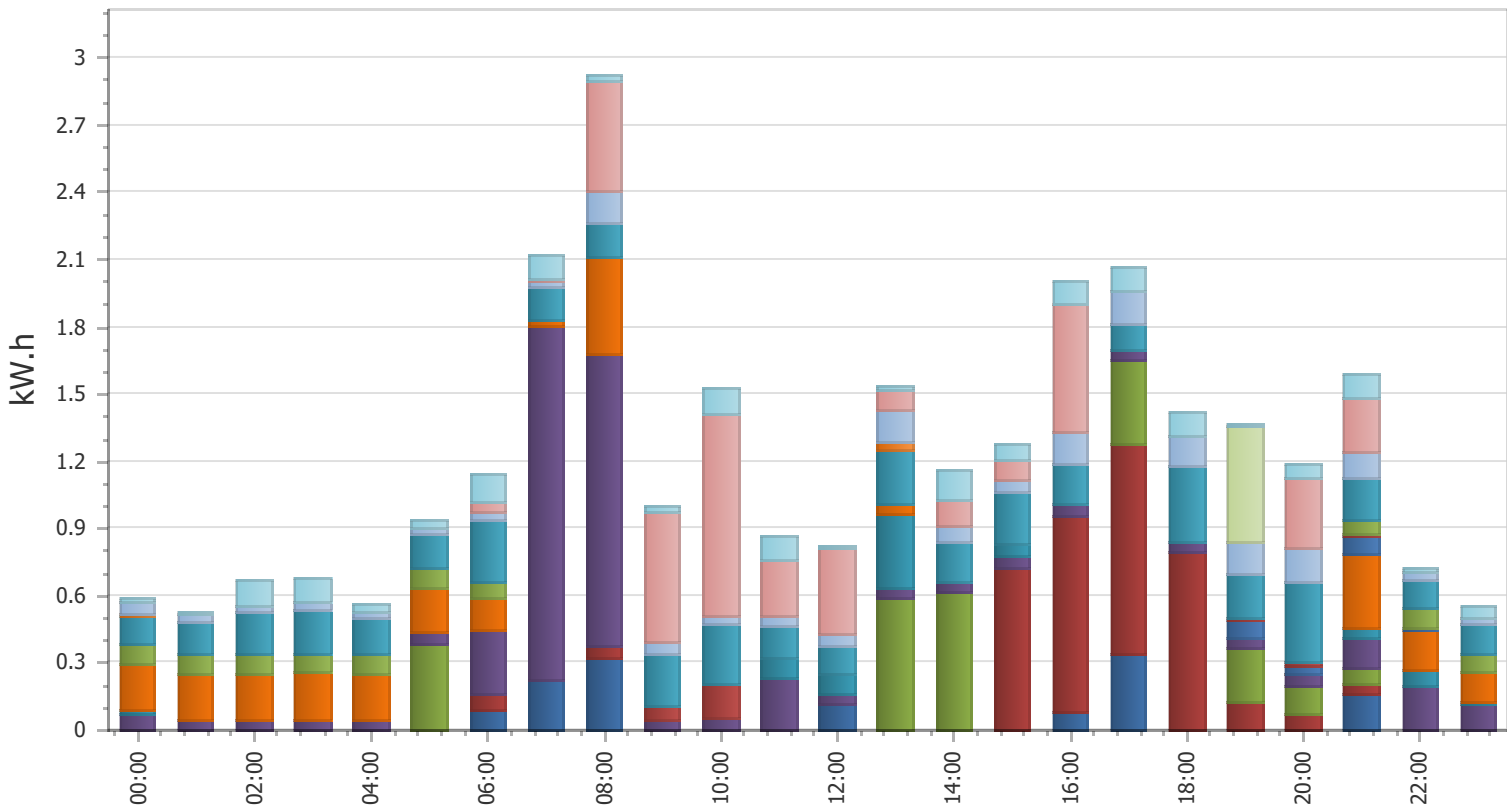
Projected Energy Profile-Day 2



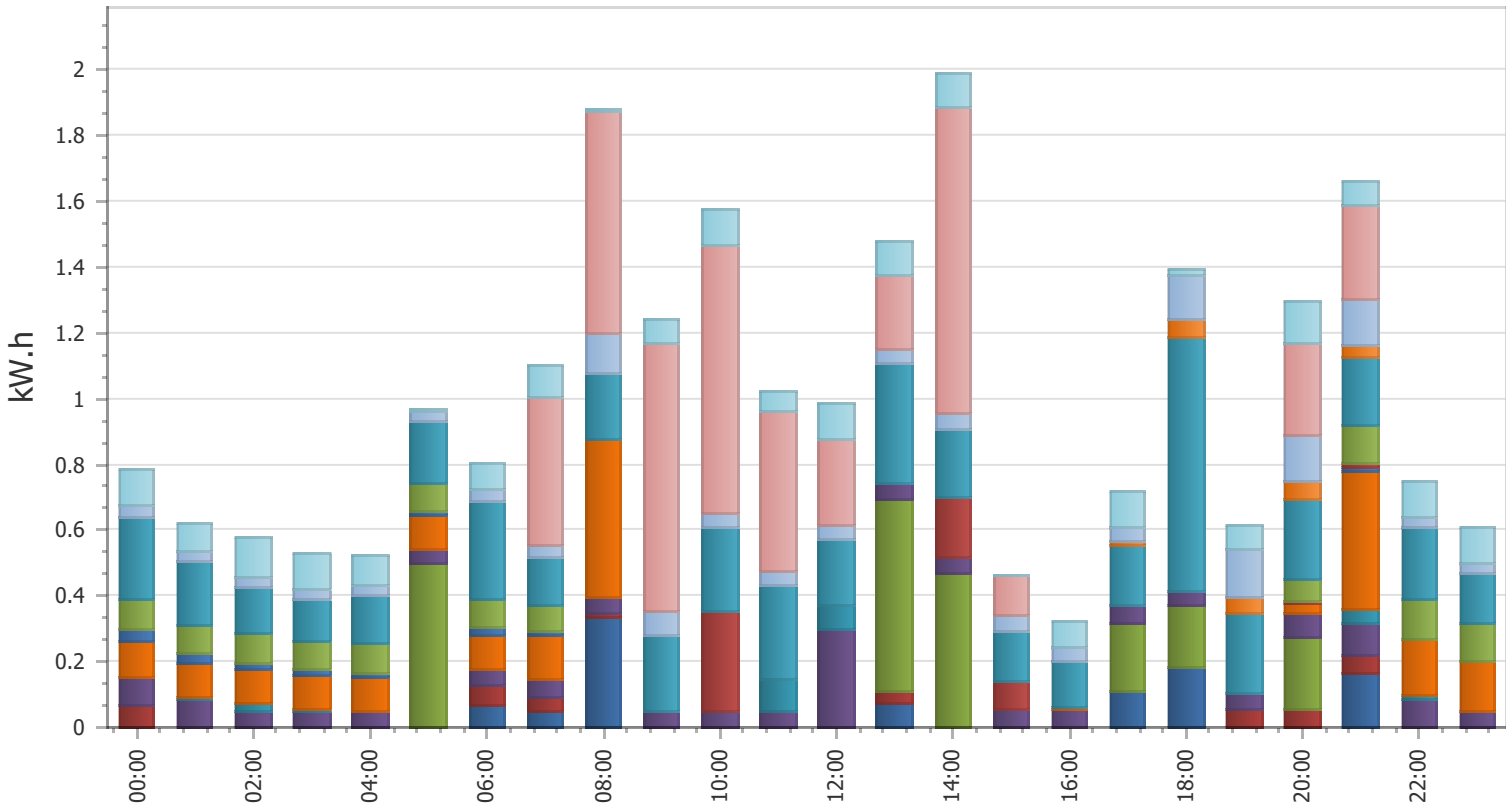
Projected Energy Profile-Day 3



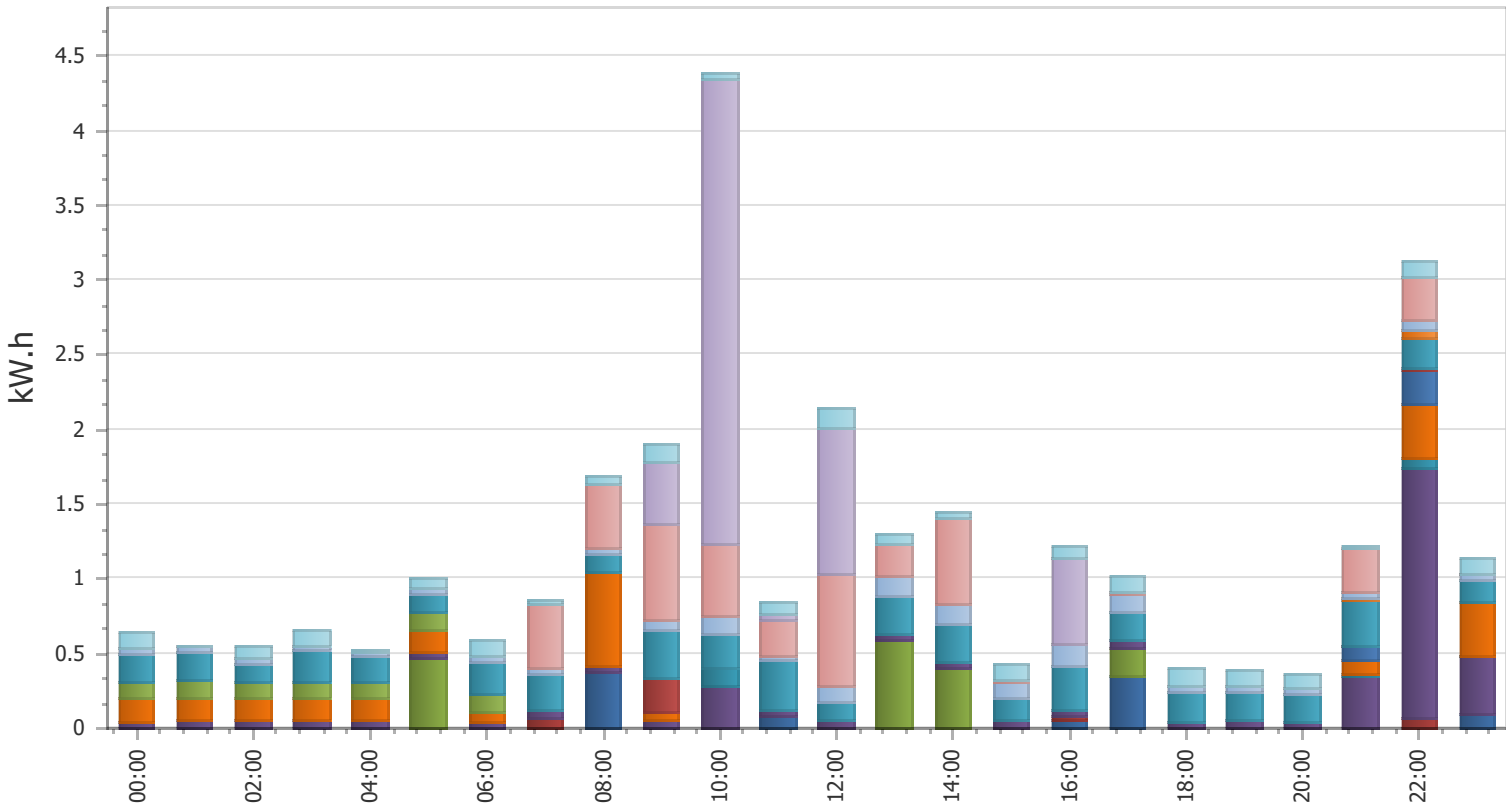
Projected Energy Profile-Day 4



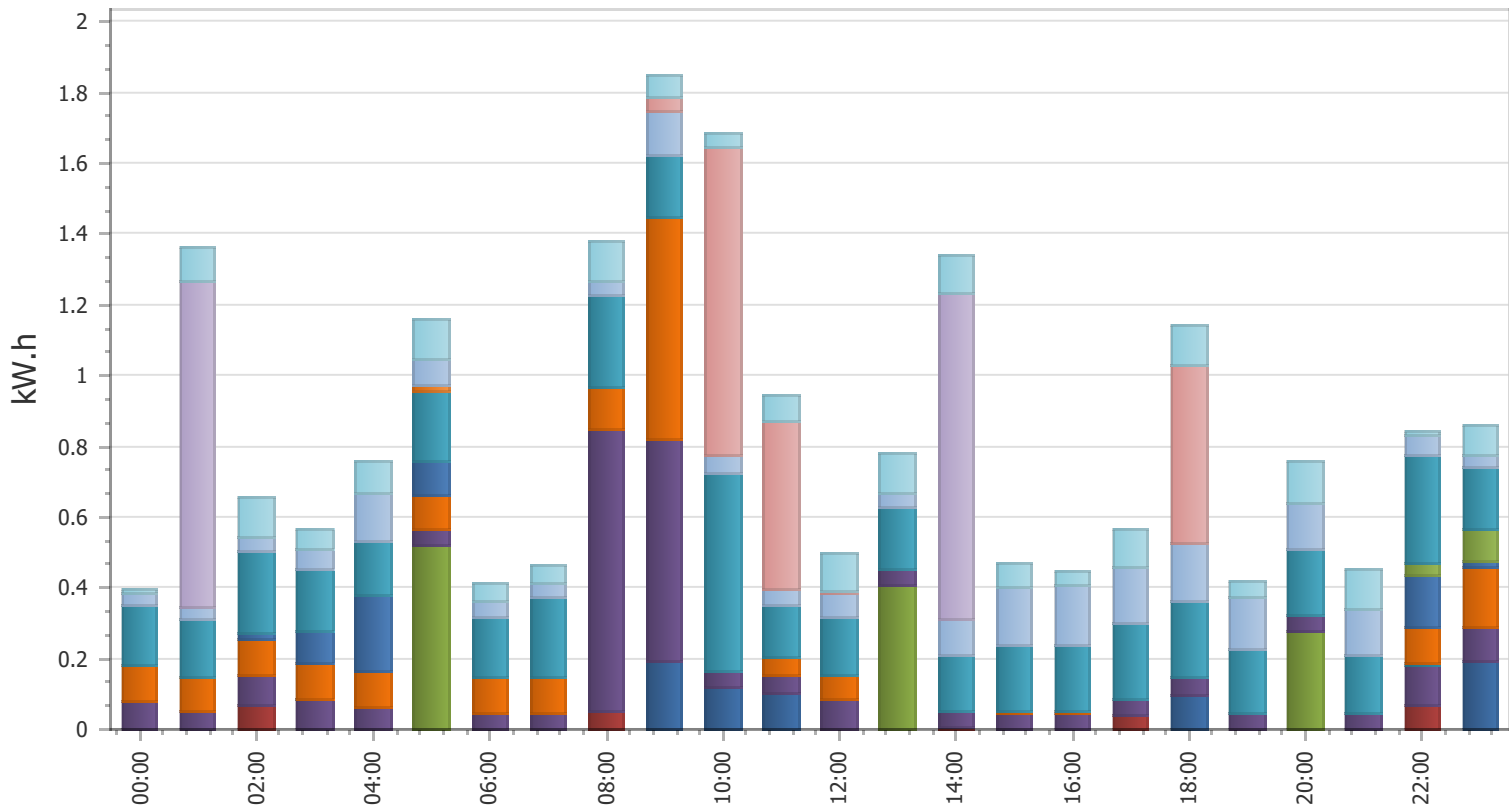
Projected Energy Profile-Day 5



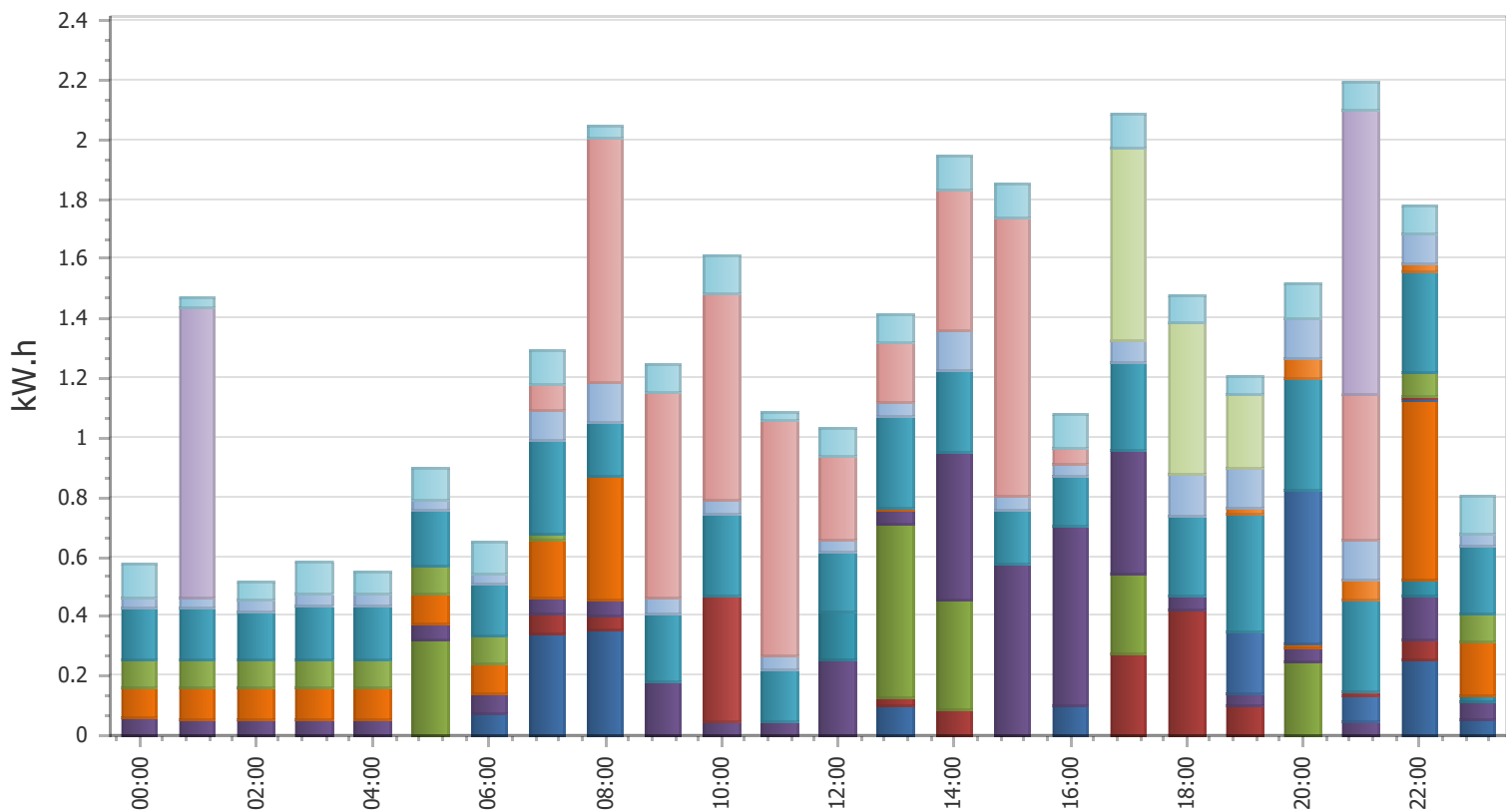
Projected Energy Profile-Day 6



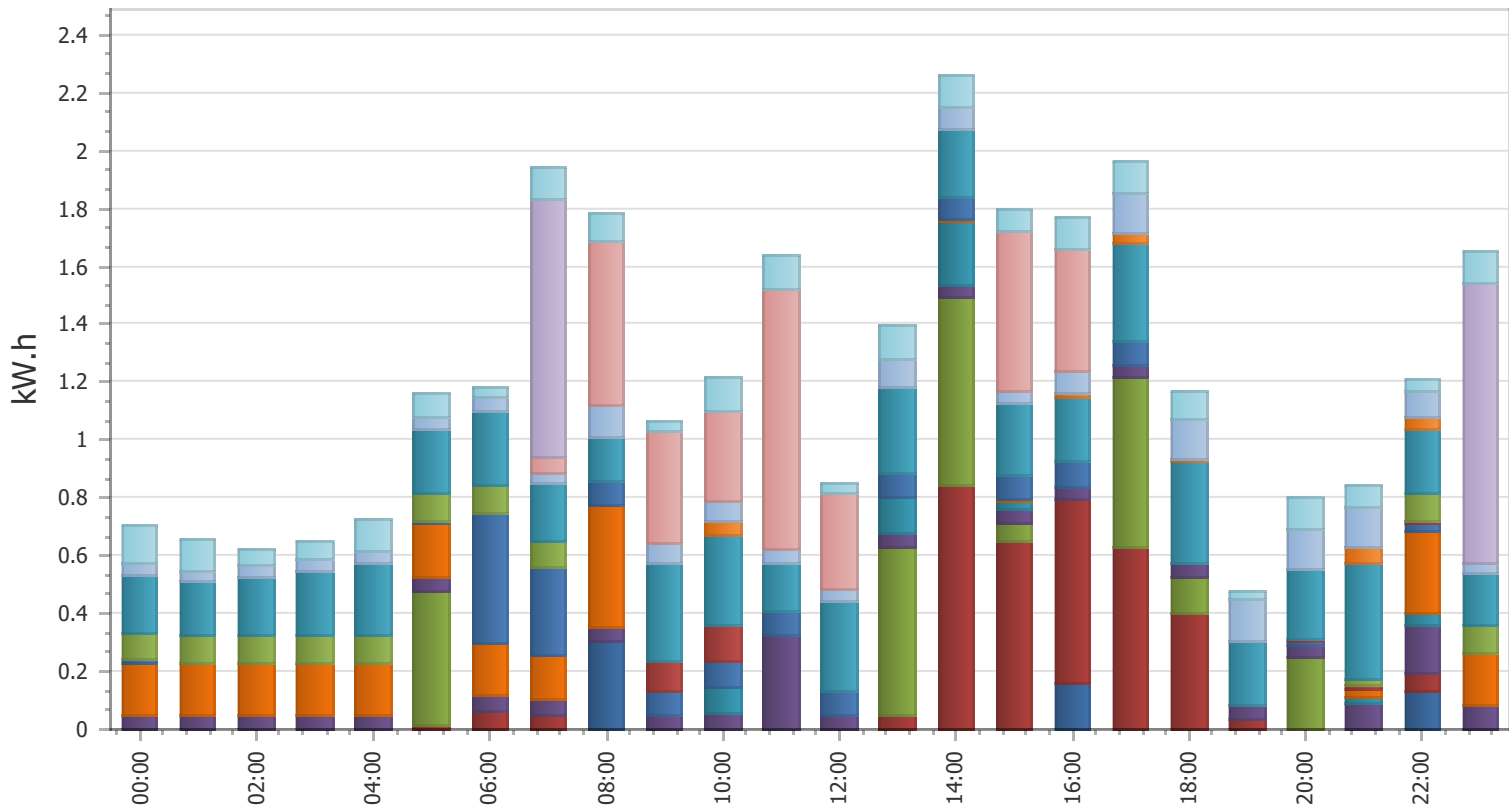
Projected Energy Profile-Day 7



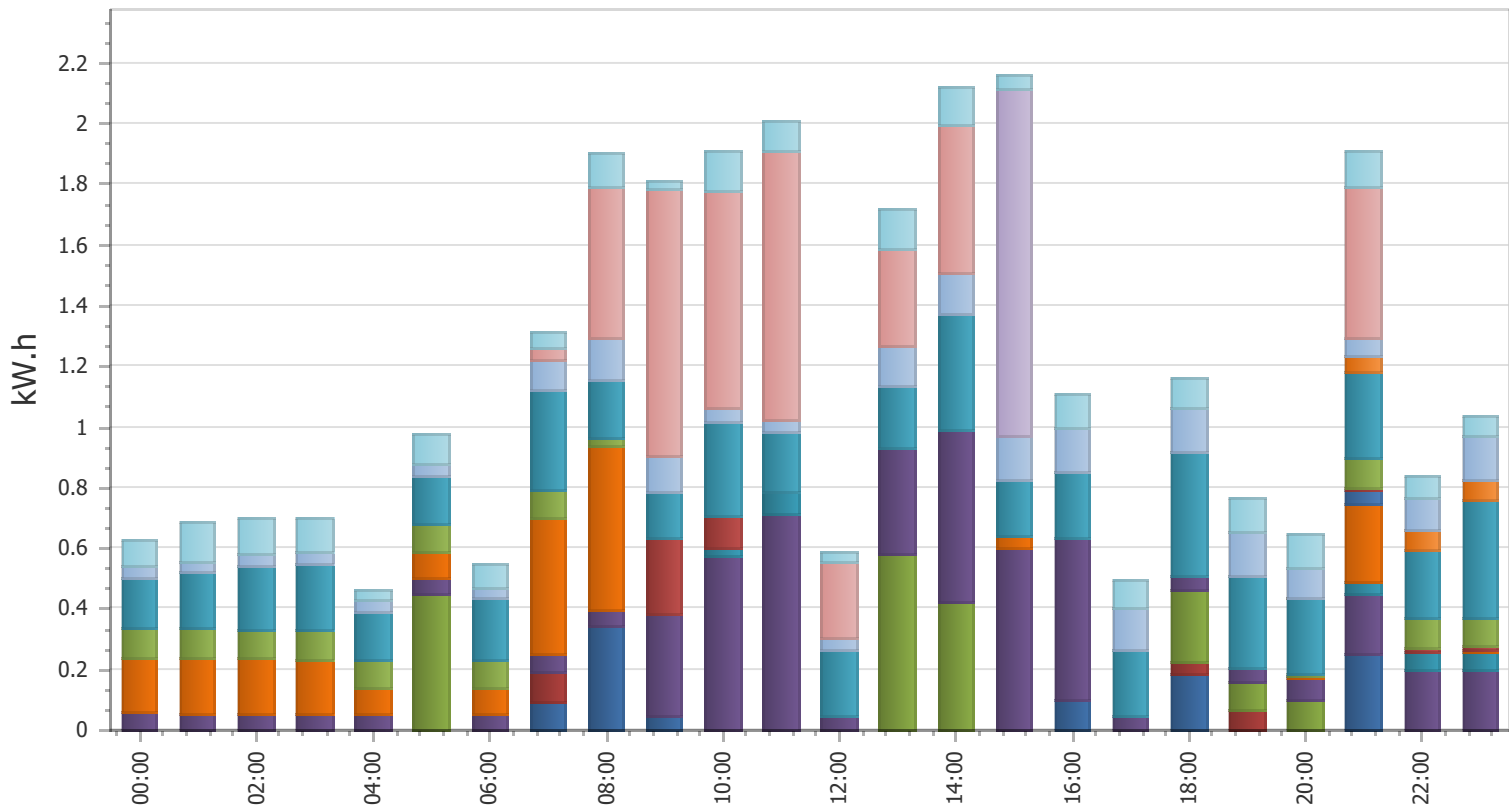
Projected Energy Profile-Day 8



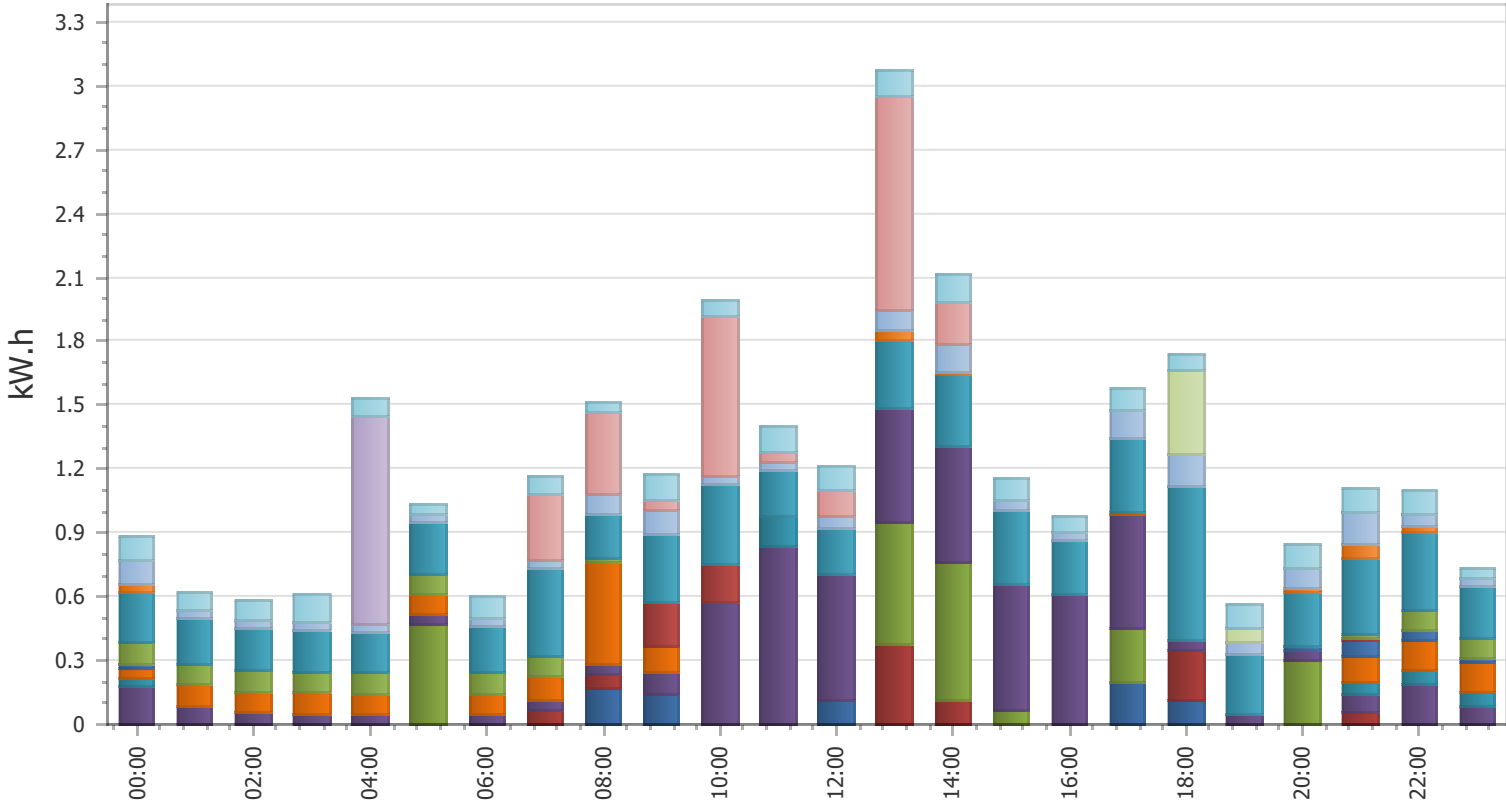
Projected Energy Profile-Day 9



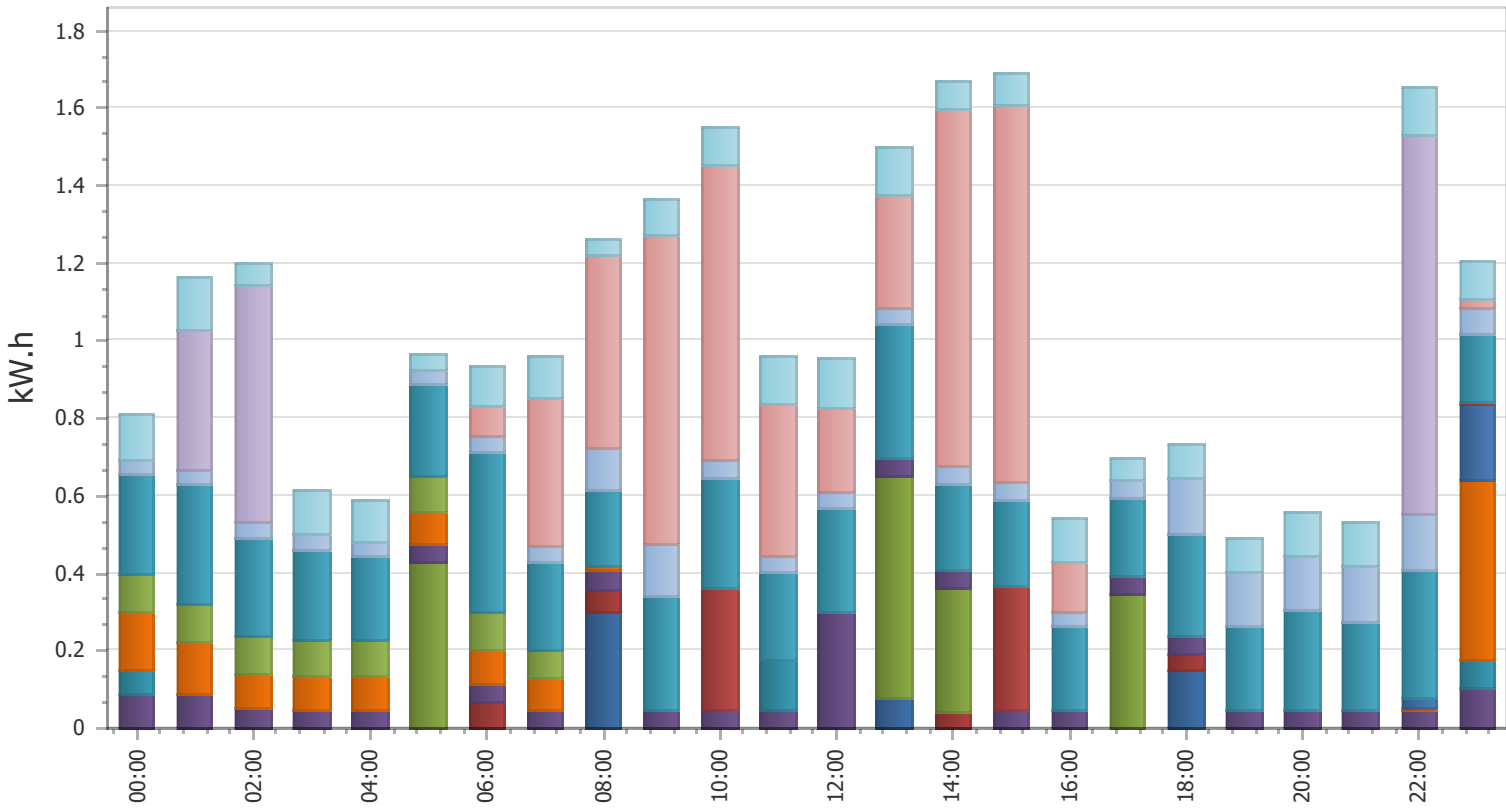
Projected Energy Profile-Day 10



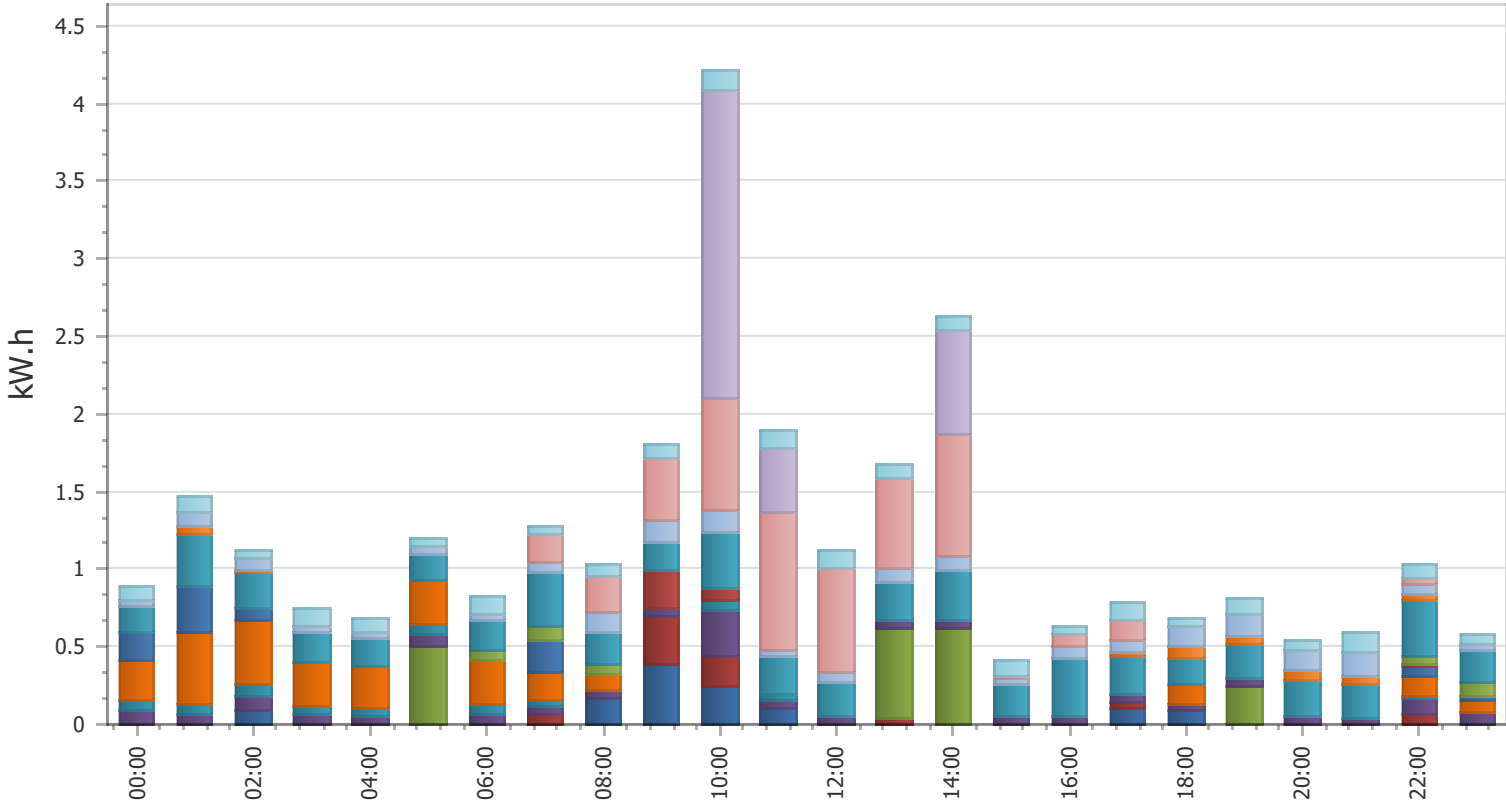
Projected Energy Profile-Day 11



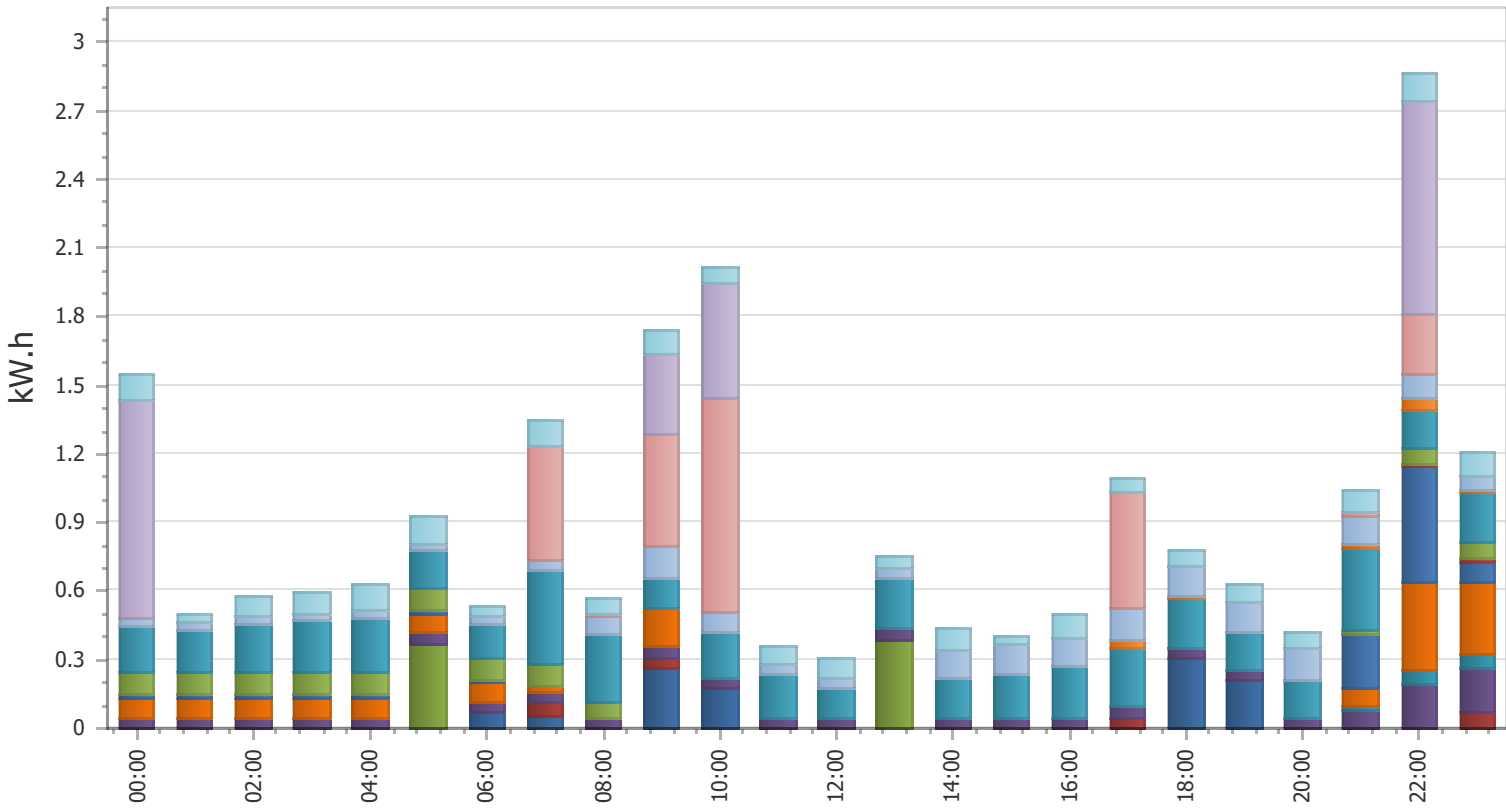
Projected Energy Profile-Day 12



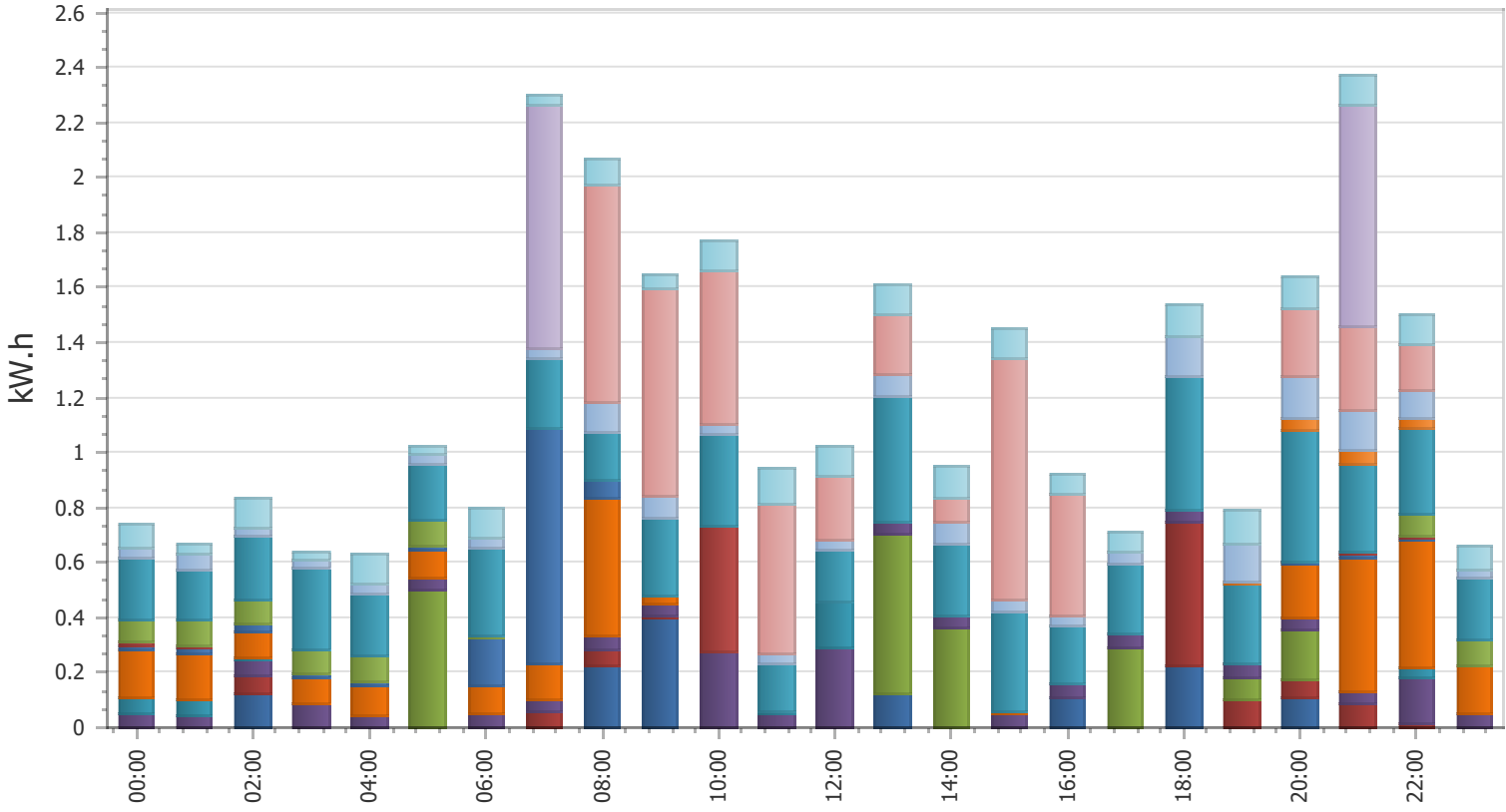
Projected Energy Profile-Day 13



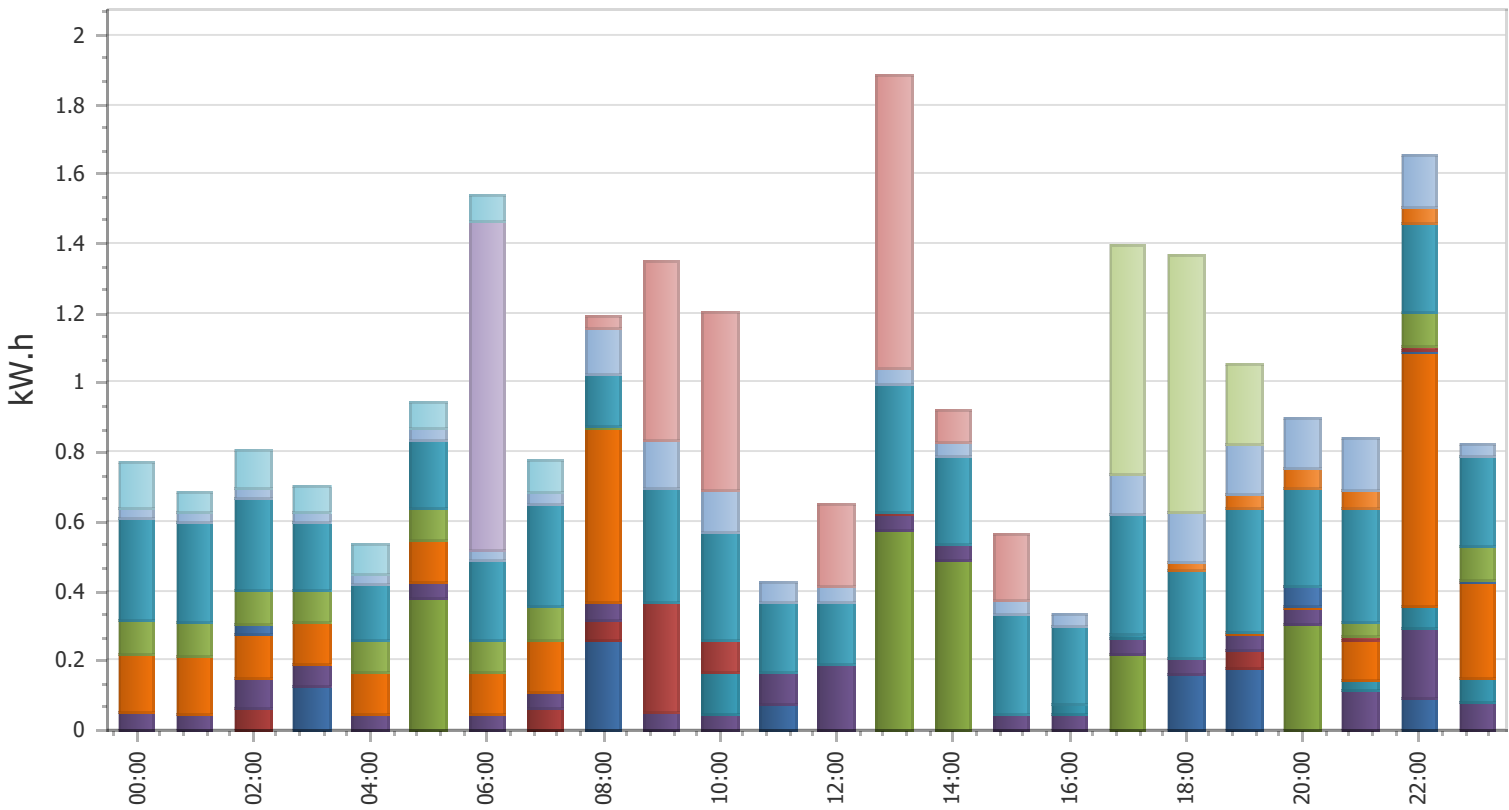
Projected Energy Profile-Day 14



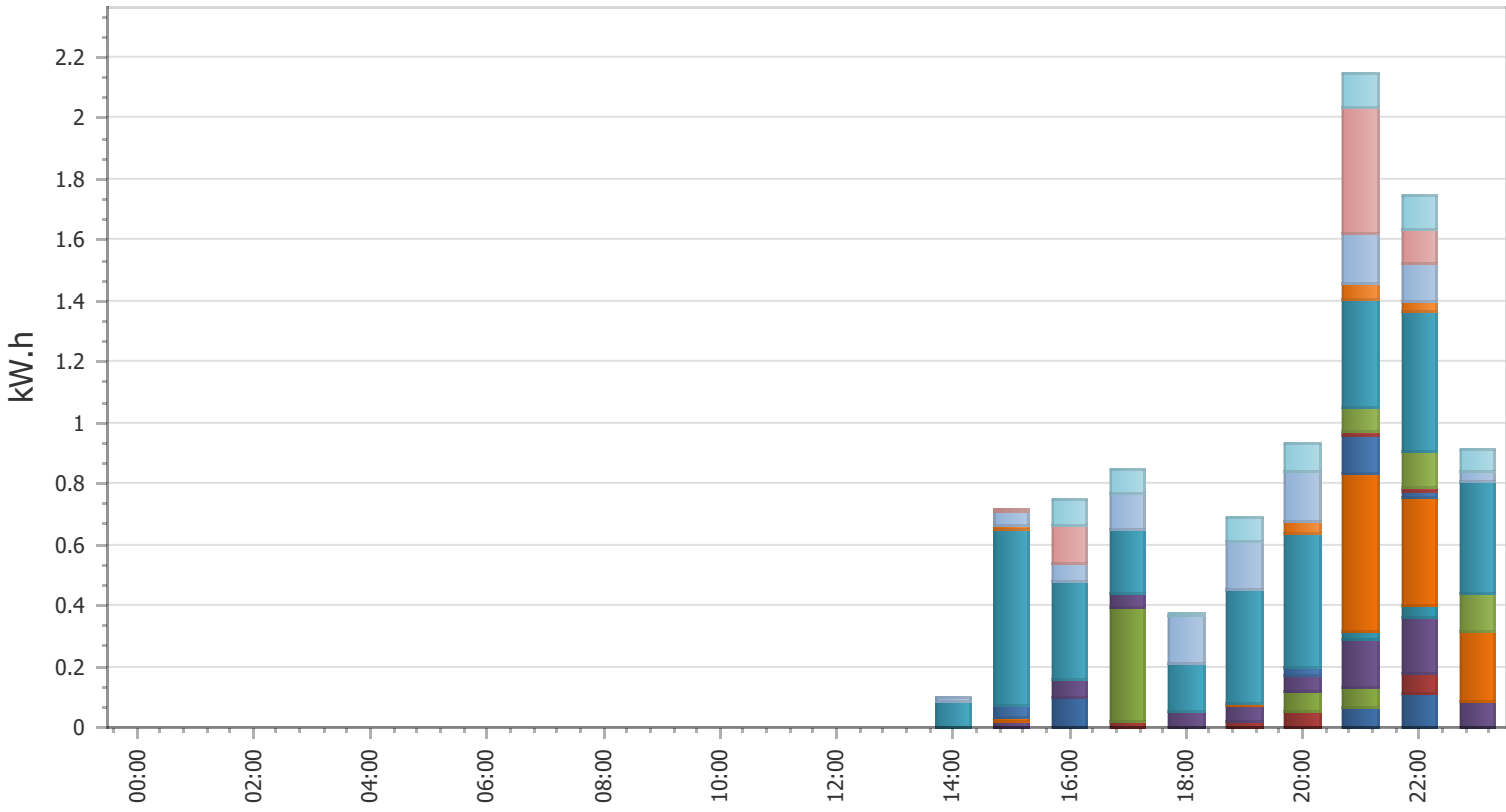
Projected Energy Profile-Day 15



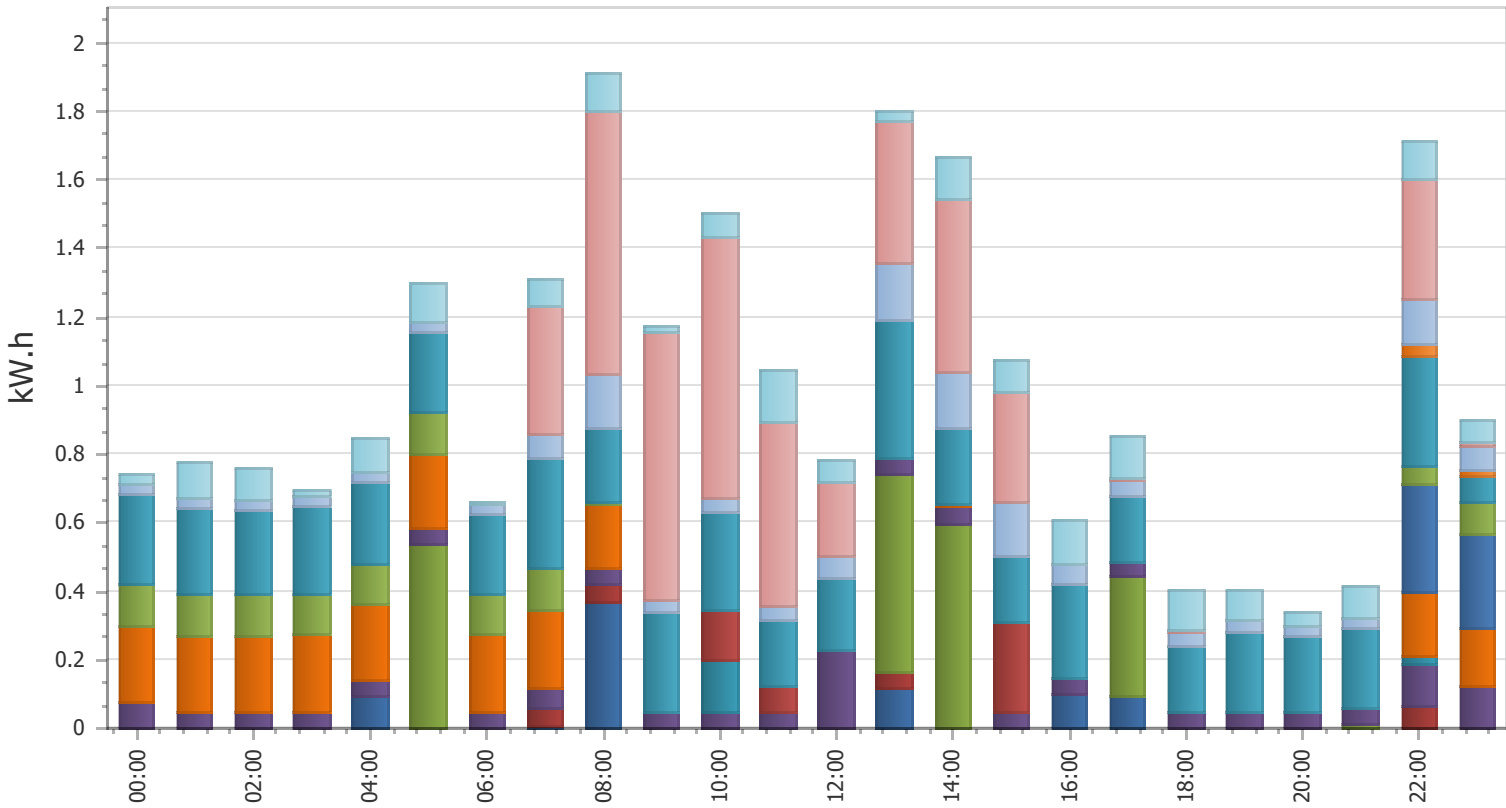
Projected Energy Profile-Day 16



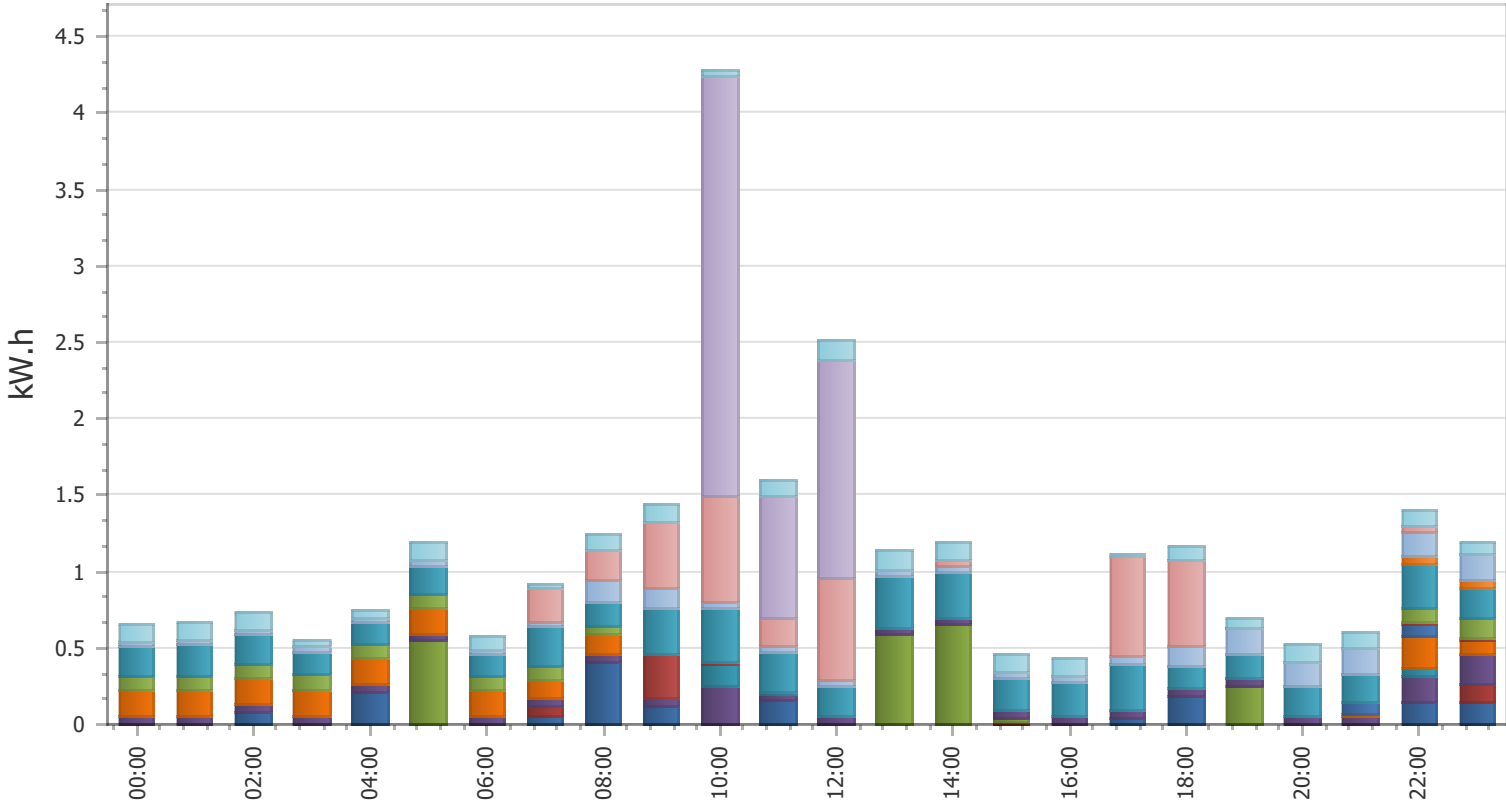
Projected Energy Profile-Day 17



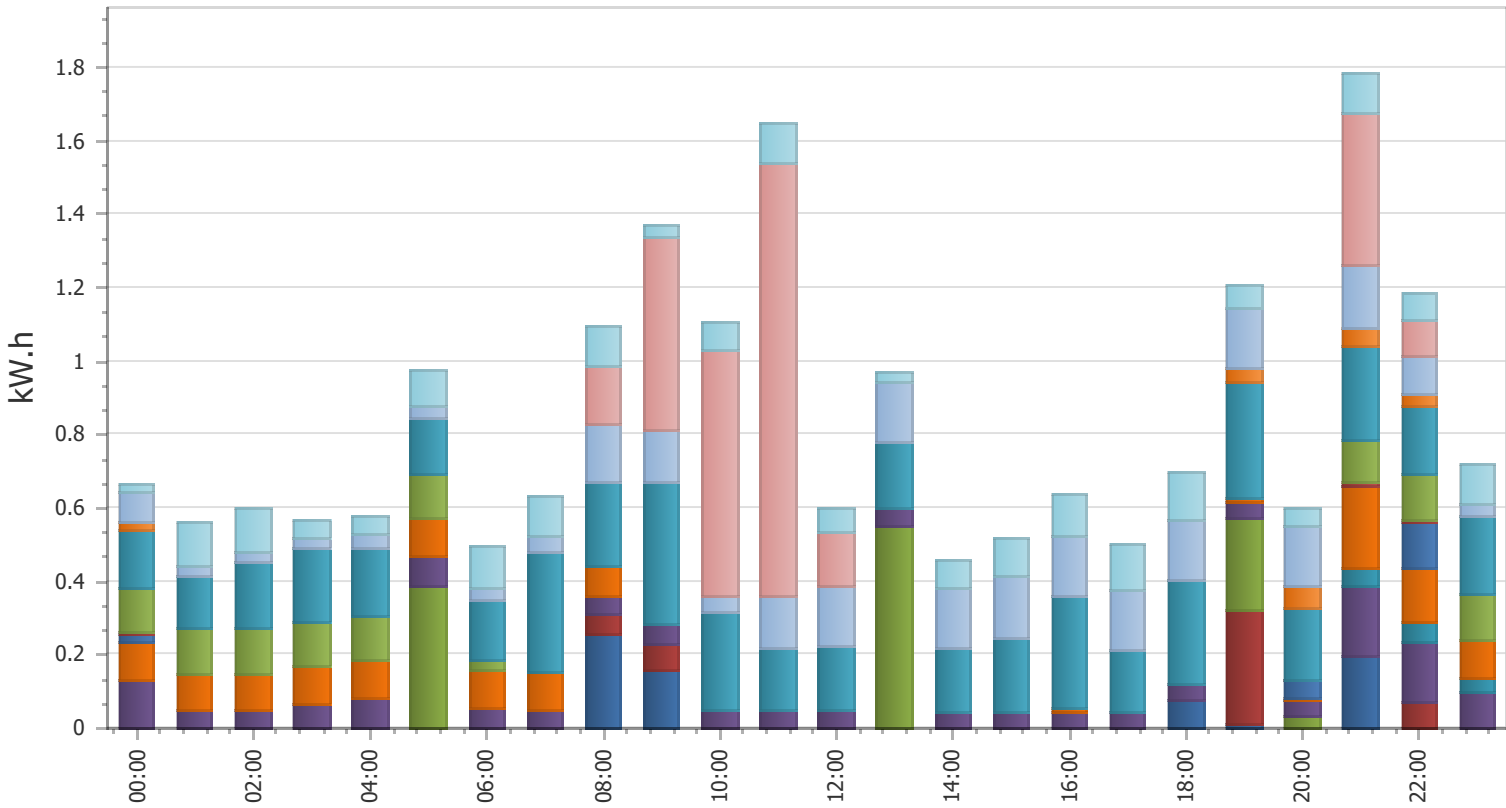
Projected Energy Profile-Day 18



Projected Energy Profile-Day 19

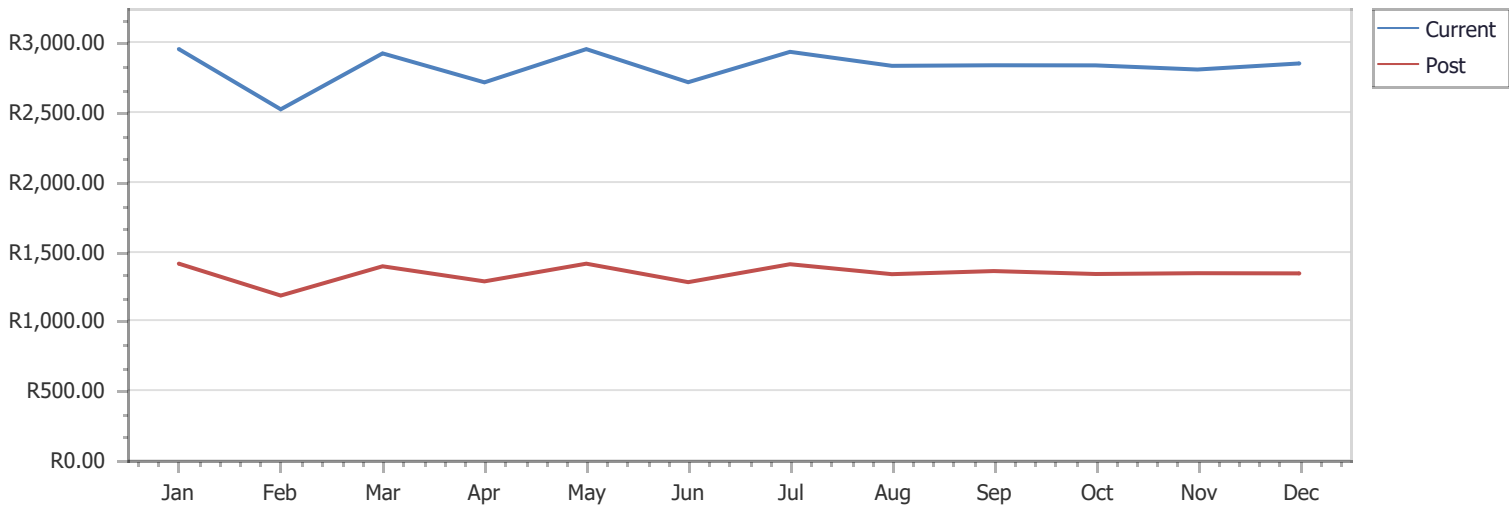


Projected Energy Profile-Day 20



Financial summary

Annual Cost Breakdown



20 Year Cashflow Projection

