

7.2.5 Energy wastage identification

Energy supply to IU is achieved through the solar plant that is distributed throughout the university campus. There are four readers that is used to identify consumption. The university build a review routinely to compare between production and consumption and actions can be done accordingly. However, it is worth mentioning that faculties with laboratories consume larger quantities of electricity and that is the reason why different faculties had different solar energy production capacities.



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Productivity report for Al-Isra'a University

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Month	Days	Daily solar radiation (kWh/m ²)	Expected energy (kWh/month)
Jan	31	3.00	86865
Feb	28	3.68	96243
March	31	5.00	144776
April	30	6.37	178494
May	31	7.48	216584
Jun	30	8.50	238179
July	31	8.42	243802
Aug	31	7.58	219480
Sep	30	6.63	185780
Oct	31	5.19	150277
Nov	30	3.83	107321
Dec	31	2.84	82233
Total Sum	365	68.52	1950033
Avg	30	5.71	162503

