## 7.2.3 Carbon reduction and emission reduction process

IU is committed to the United Nations call for the reduction of carbon emissions and we work hard to reduce emissions by 43% by 2030 and reach zero by 2025. To achieve that IU worked on the following:

1- Almost 100% of our total energy used for campus electricity from renewable resources (solar energy) <u>Israa University Solar Plant</u>. One of the four readers invoice demonstrate the consumption



شركة الكهرباء الأردنية المساهمة العامة المحدودة Jordan Electric Power Company



التاريخ: 28/05/2024 للستخدم: DSHREFAT

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رقع للطابة	الريخ السديد	قيمة الفاتورن	الرصيد للدوو	كمية الطاقة للقوارة	الرصيد للدور السابق	صاق الكنية للوزمة	.34	كمية الطاقة الموزعة من العيور	كمية الطاقة المعدرة	القراءة السابلة طاقة	الفراءة المحالية طالة	كمية الطاقة المنجرة	القراءة السابقة	اللزاءة العايد	لهر اللاتورة	رقم العداد	رقم لللف	وابط البيانات	اسم للشول
\$100 BEAT	02/04/2023	12.292	66,963	0	66,928	0	0	0	1,431	155,791	157,222	1,396	103,094	104,490	2023/01	20166001203	0540705080166	31687663	جامعة الاسراء الاهلية
	02/04/2023	10.666	68,283	0	66,963	0	0	0	2,445	157,222	159,667	1,125	104,490	105,615	2023/02	20166001203	0540705080166	31687663	جامعة الاسراء الاهلية
	02/04/2023	7.984	70.685	0	68.283	0	0	0	3,080	159,667	162,747	678	105,615	106,293	2023/03	20166001203	0540705080166	31687663	جامعة لاسراء الاهلية
		7.696	73,076	0	70,685	0	0	0	3,021	162,747	165,768	63D	106,293	106,923	2023/04	20166001203	0540705080166	31687663	جامعة لاسراء الاهلية
	03/08/2023		-	0	73,076	0	0	0	2.797	165,768	168,565	615	106,923	107,538	2023/05	20166001203	0540705080166	31687663	جامعة السراء الاهلية
	03/08/2023	61.606	75,258	-	75,258	0	0	0	2,261	168,565	170,826	593	107,538	108,131	2023/06	20166001203	0540705080166	31687663	جامعة السراء الاهلية
	03/08/2023	61.474	76,926	0		0	0	0	2,891	170,826		291	108,131	108,422	2023/07	20166001203	0540705080166	31687663	جامعة الدراء الاهلية
	03/08/2023	59.662	79,526	0	76,926	-	1000	-	2,736	173,717		214	108,422	108,636	2023/08	20166001203	0540705080166	31687663	جامعة الاسراء الاهلية
	16/11/2023	59.200	82,048	0	79,526	0	0	0				415	108,636		2023/09	20166001203	0540705080166	31687663	جامعة الامراء الاهلية
	16/11/2023	60.406	83,495	0	82,048	0	0	0	1,862			-	-			20166001203	0540705080166	31687663	وأمعة الامراء الاهلية
	16/11/2023	61.300	84,683	0	83,495	0	0	0	1,752	178,31	180,067	564	109,051						بانعة الإبراد الاملية
	31/12/2023	63.298	85,030	0	84,683	0	0	0	1,244	180,06	7 181,311	897	109,615	110,512	2023/11	20166001203	054070508016		
	31/12/2023	61.374	86,470	0	85,030	0	0	0	2,015	181,31	1 183,326	575	110,51	2 111,087	2023/12	20166001203	054070508016	31687663	أنعة الاسراء الاهلية
	08/02/2024	61.774	87,560	0	86,470	0	0	0	1,733	183,32	6 185,059	643	111,08	7 111,73	2024/0	2016600120	3 054070508016	6 31687663	أمعة الاسراء الاهلية
	05/03/2024	60.544	89,098	в о	87,560	0	0	0	1,97	6 185,05	9 187,03	5 438	111,73	0 112,16	2024/0	2016600120	3 054070508016	6 31687663	بعة الابراء الاهلية
	15/04/2024	59.842	91,57	8 0	89,09	3 0	0	0	2,80	1 187,00	189,83	6 321	112,16	112,48	9 2024/0	3 2016600120	3 054070508016	6 31687663	عة الامراء الاهلية
		59.29	94,89	2 0	91,57	в о	0	0	3,54	4 189,8	36 193,38	0 230	112,48	112,71	9 2024/0	4 2016600120	05407050801	31687663	جة الامراء الاهلية

- 2- Used efficient curtains to reduce energy consumption throughout the university offices and classrooms.
- 3- Transform paper course files into electronic files for all courses.
- 4- 80% of faculties use renewable energy for heating
- 5- Provide Free transportation to all students and staff to make the roads less travelled. Using group transportation in one vehicle reduced carbon dioxide emissions.
- 6- Increased the percentage of online courses and hybrid courses to reduce traffic and hence reduce environmental impact as transportation is a major carbon dioxide emitter and in line with the Ministry of Higher Education and Research (MoHR). Online courses increased over the 2022-2023 period to align with the MoHR. This will contribute to a reduction in carbon dioxide emissions. The university used Thursdays for online and hybrid courses and



80% Faculty Heating



- therefore, students will not need to come to the university on Thursdays, Fridays and Saturdays. .
- 7- We switched to LED bulbs to reduce the required energy for lighting which reduced energy consumption by 50% and provided guidelines to make sure the lights are off when they are not in the offices and their computer screens are on screen saver mode.
- 8- We at IU put a goal to focus on quality and sustainability in all our purchases and contracts. On an annual basis contracts are revised for any violations.
- 9- All our solid waste is contracted with a company that recycles the waste. One example is where we trade wastepaper for a recycling company in a trade with new recycled paper.
- 10- All the chemical and organic waste is contracted through the Ministry of Health for sustainable disposal strategy.
- 11- We increased planting to increase the green space within the 300,000 m<sup>2</sup> campus.



12- Jordan is a country that has very limited water resources. Therefore, at IU treat wastewater we recycle wastewater and use it for irrigating the plant (we consume 16,000 m³ of water annually and the water treatment plant provided 6,000 m³) making 37.5% of water is recycled. In 2025 the plan is to invest in additional water treatment plants to purify water and to use for other purposes.