



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 المستخدم: DSHREFAT

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رقم للخابة	الريخ النسديد	قيمة الفاتورة	الرصيد للدور	كمية الطاقة للقوترة	الرحيد للدور السابق	صاق «كمية للوزمة	.816	كمية الطاقة الموزمة من العيور	كمية الفاقة المعدرة	القرامة السابقة مالاة	القرامة المحالية طاقة	كمية الطاقة المستجرة	القراءة السايلا	القراءة العاية	شهر القانورة	رائم فعداد	رقم بلت	ولبط البيقات	نسم للشتول
	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 الإسراء 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
		7.984	70,685	0	68,283	0	0	0	3,080	159,667	162,747	678	105,615	106,293	202303	20166001203	0540705080166	31687663	جامعة لاسراء الاعلية
	02/04/2023					0	0	0	3,021	162,747	165,768	630	106,293	106,923	2023/04	20166001203	0540705080166	31687663	جامعة لاسراء الاهلية
	03/08/2023	7.696	73,076	0	70,685	U	0	+ •	0,021	102,111						**********	0540705080166	31687663	جامعة السراء الاهشة
	03/08/2023	61.606	75,258	0	73,076	0	0	0	2,797	165,768	168,565	615	106,923	107,538	2023/05	20166001203	0940700000100	51001000	
	03/08/2023	61.474	76,926	0	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	59.662	79,526	0	76,926	0	0	0	2,891	170,826	173,717	291	108,131	108,422	2023/07	20166001203	0540705080166	31687663	جامعة الاسراء الاهلية
	16/11/2023	59.200	82,048	0	79,526	0	0	0	2,736	173,717	176,453	214	108,422	108,636	2023/08	20166001203	0540705080166	31687663	بأمعة الاسراء الاهلية
	16/11/2023	60,406	83,495	0	82,048	0	0	0	1,862	176,453	178,315	415	108,636	109,051	2023/09	20166001203	0540705080166	31687663	بأمعة الامراء الاهلية
	16/11/2023	61.300	84,683	0	83,495	0	0	0	1,752	178,31	5 180,067	564	109,051	109,615	2023/10	20166001203	0540705080168	31687663	بأمعة الإمراء الإهلية
	31/12/2023		85,030	0	84,683	0	0	0	1,244	180,06	7 181,311	897	109,61	110,512	2023/11	20166001203	054070508016	31687663	أمعة الامراء الاهلية
					85.030		0	0	2.01	5 181,31	1 183,326	575	110,51	2 111,08	7 2023/12	20166001203	054070508016	31687663	لعة الابراء الاهلية
	31/12/2023		-	-		-	0	0	1,73	3 183,32	6 185,05	9 643	111,08	7 111,73	2024/0	20166001203	054070508016	6 31687663	معة الامراء الاهلية
	08/02/2024	61.774	87,560	0	86,470	0	0	-	1,75	100,02	100,00			-			3 054070508016	0 21697663	مة الاسراد الانعلية
	05/03/2024	60.544	89,098	3 0	87,560	0	0	0	1,97	6 185,05	187,03	5 438	111,73	0 112,16	8 2024/0	2 2016600120	3 054070508016	0 31007003	- n 1,02 m
	15/04/2024	4 59.842	91,57	в о	89,09	8 0	0	0	2,80	187,03	35 189,83	6 321	112,16	8 112,48	9 2024/0	3 2016600120	3 054070508016	6 31687683	مة الاسراء الاهلية
		59.296	94,89	2 0	91.57	8 0	0	0	3,54	4 189,8	36 193,38	0 230	112,48	112,7	9 2024/0	4 2016600120	3 05407050801	31687663	4 الامراء الاعلية

- 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.



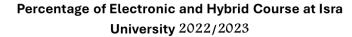
80% Faculty Heating

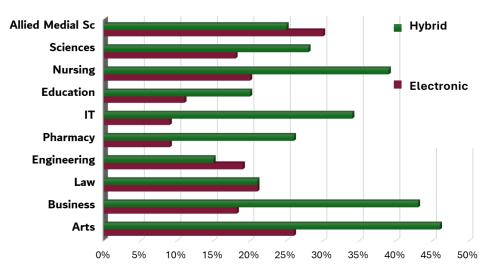






6- Increased the percentage of online courses and hybrid courses to reduce traffic and hence reduce environmental impact as transportation is a major carbon dioxide emitter and in line with the Ministry of Higher Education and Research (MoHR). Online courses increased over the 2022-2023 period to align with the MoHR. This will contribute to a reduction in carbon dioxide emissions. The university used Thursdays for online and hybrid courses and therefore, students will not need to come to the university on Thursdays, Fridays and Saturdays.





- 7- We conducted a virtual conference in collaboration with Malaysia "The 4th International Conference of Accounting and Management (ICAM2022) under Scopus in collaboration with the university of MARA in Malaysia from 21-22 of Sept 2022 under the title: The Business and Accounting Landscape in Pandemic Altered World. That offered an opportunity to connect with large audiences without travel hence reduce carbon dioxide emissions.
- 8- 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.
- 9- 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.
- 10- 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.







- 11- All the chemical and organic waste is contracted through the Ministry of Health for sustainable disposal strategy.
- 12- We increased planting to increase the green space within the 300,000 m² campus.



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.