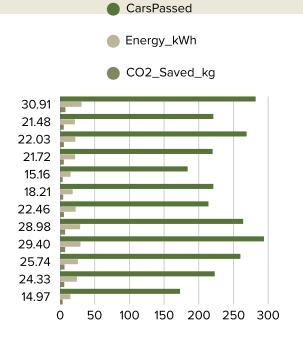
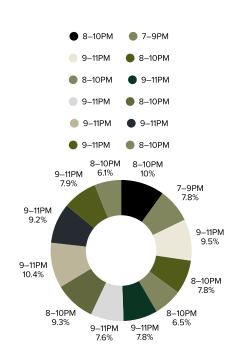
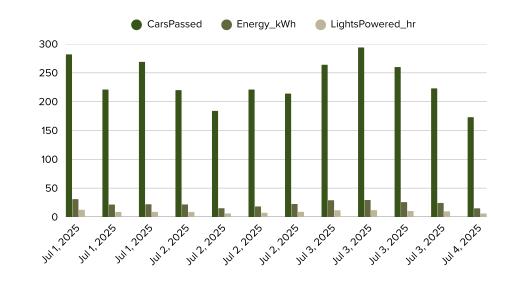
## VoltPath – Smart Energy Dashboard

## For visualizing real-time energy generation and sustainability impact







Date	Location	CarsPassed	Energy_kWh	PeakTime	CO2_Saved_kg	LightsPowered_hr	BatteryLevel_%	Summary	
Jul 1, 2025	Al Mahalah District	282	30.91	8–10PM	7.73	12.4	100%	Entered data	27 days (as of July 2025) were analysed for 6 sites daily with a total of more than 750 records of field sites in Asir
Jul 1, 2025	Muftaha Area	221	21.48	7–9PM	5.37	8.6	75%	The most prominent results	The most energy- producing sites: "Belt Road" and "University Gate
Jul 1, 2025	Al Hizam Road	269	22.03	9–11PM	5.51	8.8	77%	Peak hours	Peak hours vary between periods offence (6–8AM) and summer (8–10PM)
Jul 2, 2025	Al Soudah Entrance	220	21.72	8–10PM	5.43	8.7	76%		
Jul 2, 2025	Abha Dam Park	184	15.16	8–10PM	3.79	6.1	53%		
Jul 2 2025	Airport Road	221	18 21	9–11PM	4 55	73	64%		

Jul 2, 2025	Abha Mall Parking	214 22	46 9–11PM	5.62	9	79%	
Jul 3, 2025	Tuesday Market Zone	264 28	98 8–10PM	7.25	11.6	100%	
Jul 3, 2025	Al Soudah Entrance	294 2	.4 9–11PM	7.35	11.8	100%	
Jul 3, 2025	Al Hizam Road	260 25	74 9–11PM	6.43	10.3	90%	
Jul 3, 2025	Al Raqa Neighborhood	223 24	9–11PM	6.08	9.7	85%	
Jul 4, 2025	Al Raqa Neighborhood	173 14	97 8–10PM	3.74	6	52%	
Jul 4, 2025	Al Raqa Neighborhood	290 24	9–11PM	6.23	10	87%	
Jul 4, 2025	Al Raqa Neighborhood	292 3	.2 7–9PM	8.3	13.3	100%	
Jul 4, 2025	Airport Road	175 17	54 8–10PM	4.38	7	61%	
Jul 4, 2025	Al Raqa Neighborhood	190 2	.1 7–9PM	5.53	8.8	77%	
Jul 4, 2025	Al Hizam Road	233 26	57 9–11PM	6.67	10.7	93%	
Jul 5, 2025	Al Mi'ah Street	162 15	59 8–10PM	3.9	6.2	55%	
Jul 5, 2025	Al Hizam Road	215 2	.6 9–11PM	6.4	10.2	90%	
Jul 5, 2025	Airport Road	159 15	08 8–10PM	3.77	6	53%	
Jul 6, 2025	King Khalid University Gat	211 24	4 8–10PM	6.04	9.7	84%	
Jul 6, 2025	Al Hizam Road	249 22	75 8–10PM	5.69	9.1	80%	
Jul 6, 2025	Al Mahalah District	249 28	33 7–9PM	7.21	11.5	100%	
Jul 6, 2025	Abha Dam Park	211 2	.2 8–10PM	6.05	9.7	85%	
Jul 7, 2025	Al Hizam Road	234 23	02 8–10PM	5.75	9.2	81%	
Jul 7, 2025	Al Mahalah District	295 25	4 7–9PM	6.29	10.1	88%	
Jul 7, 2025	Al Soudah Entrance	197 17	85 8–10PM	4.34	6.9	61%	
Jul 8, 2025	Abha Dam Park	141 12	51 8–10PM	3.13	5	44%	
Jul 8, 2025	Abha Mall Parking	248 23	59 8–10PM	5.9	9.4	83%	

A SOCIOLITICI CONTROL	210	23.32	J 1111W	5.5	5.0	0470		
Muftaha Area	246	29.3	9–11PM	7.3	3 11.	100%		
Airport Road	260	28.18	7–9PM	7.0	4 11.3	99%		
Airport Road	228	18.64	7–9PM	4.6	6 7.!	65%		
Abha Mall Parking	264	27.87	9–11PM	6.9	7 11.	98%		
Tuesday Market Zone	146	12.28	8–10PM	3.0	7 4.9	43%		
Al Raqa Neighborhood	195	18.1	8–10PM	4.5	3 7.2	63%		
Abha Dam Park	288	25.33	8–10PM	6.3	3 10.	89%		
Al Raqa Neighborhood	249	20.76	9–11PM	5.1	9 8.3	73%		
Abha Mall Parking	244	26.23	7–9PM	6.5	6 10.5	92%		
Al Hizam Road	232	19.62	8–10PM	4.9	1 7.8	69%		
King Khalid University Gat	207	24.19	9–11PM	6.0	5 9.5	85%		
Tuesday Market Zone	253	29.29	9–11PM	7.3	2 11.	100%		
Tuesday Market Zone	295	30.5	7–9PM	7.6	2 12.2	100%		
Al Hizam Road	175	20.09	8–10PM	5.0	2	70%		
Al Mi'ah Street	153	15.95	9–11PM	3.9	9 6.4	56%		
Abha Mall Parking	227	25.53	9–11PM	6.3	8 10.2	89%		
Muftaha Area	290	28.03	8–10PM	7.0	1 11.2	98%		
Al Mahalah District	209	17.43	8–10PM	4.3	6	61%		
Al Raqa Neighborhood	241	22.64	9–11PM	5.6	6 9.	79%		
Al Soudah Entrance	263	22.04	8–10PM	5.5	1 8.8	77%		
Al Hizam Road	144	11.89	7–9PM	2.9	7 4.8	42%		
Abha Dam Park	189	21.1	9–11PM	5.2	8.4	74%		
Al Soudah Entrance	219	25.27	9–11PM	6.3	2 10.	88%		
	Muftaha Area Airport Road Airport Road Abha Mall Parking Tuesday Market Zone Al Raqa Neighborhood Abha Dam Park Al Raqa Neighborhood Abha Mall Parking Al Hizam Road King Khalid University Gat Tuesday Market Zone Tuesday Market Zone Al Hizam Road Al Mi'ah Street Abha Mall Parking Muftaha Area Al Mahalah District Al Raqa Neighborhood Al Soudah Entrance Al Hizam Road Al Hizam Road Al Hizam Road	Muftaha Area       246         Airport Road       260         Airport Road       228         Abha Mall Parking       264         Tuesday Market Zone       146         Al Raqa Neighborhood       195         Abha Dam Park       288         Al Raqa Neighborhood       249         Abha Mall Parking       244         Al Hizam Road       232         King Khalid University Gat       207         Tuesday Market Zone       253         Tuesday Market Zone       295         Al Hizam Road       175         Al Mi'ah Street       153         Abha Mall Parking       227         Muftaha Area       290         Al Mahalah District       209         Al Raqa Neighborhood       241         Al Soudah Entrance       263         Al Hizam Road       144         Abha Dam Park       189	Muftaha Area       246       29.3         Airport Road       260       28.18         Airport Road       228       18.64         Abha Mall Parking       264       27.87         Tuesday Market Zone       146       12.28         Al Raqa Neighborhood       195       18.1         Abha Dam Park       288       25.33         Al Raqa Neighborhood       249       20.76         Abha Mall Parking       244       26.23         Al Hizam Road       232       19.62         King Khalid University Gat       207       24.19         Tuesday Market Zone       253       29.29         Tuesday Market Zone       295       30.5         Al Hizam Road       175       20.09         Al Mi'ah Street       153       15.95         Abha Mall Parking       227       25.53         Muftaha Area       290       28.03         Al Raqa Neighborhood       241       22.64         Al Soudah Entrance       263       22.04         Al Hizam Road       144       11.89         Abha Dam Park       189       21.1	Airport Road 260 28.18 7-9PM Airport Road 260 28.18 7-9PM Airport Road 228 18.64 7-9PM Airport Road 228 18.64 7-9PM Abha Mall Parking 264 27.87 9-11PM Tuesday Market Zone 146 12.28 8-10PM Al Raqa Neighborhood 195 18.1 8-10PM Abha Dam Park 288 25.33 8-10PM Al Raqa Neighborhood 249 20.76 9-11PM Abha Mall Parking 244 26.23 7-9PM Al Hizam Road 232 19.62 8-10PM King Khalid University Gat 207 24.19 9-11PM Tuesday Market Zone 253 29.29 9-11PM Tuesday Market Zone 253 29.29 9-11PM Al Hizam Road 175 20.09 8-10PM Al Mi'ah Street 153 15.95 9-11PM Al Mi'ah Street 295 30.3 8-10PM Muftaha Area 290 28.03 8-10PM Al Muftaha Area 290 28.03 8-10PM Al Mahalah District 209 17.43 8-10PM Al Raqa Neighborhood 241 22.64 9-11PM Al Soudah Entrance 263 22.04 8-10PM Al Hizam Road 144 11.89 7-9PM Al Hizam Road 144 11.89 7-9PM Al Hizam Road 144 11.89 7-9PM	Airport Road 260 28.18 7-9PM 7.0 Airport Road 260 28.18 7-9PM 7.0 Airport Road 228 18.64 7-9PM 4.66 Abha Mall Parking 264 27.87 9-11PM 6.9 Tuesday Market Zone 146 12.28 8-10PM 3.0 Al Raqa Neighborhood 195 18.1 8-10PM 4.5 Abha Dam Park 288 25.33 8-10PM 6.3 Al Raqa Neighborhood 249 20.76 9-11PM 5.1 Abha Mall Parking 244 26.23 7-9PM 6.5 Al Hizam Road 232 19.62 8-10PM 4.9 King Khalid University Gat 207 24.19 9-11PM 6.0 Tuesday Market Zone 253 29.29 9-11PM 7.3 Tuesday Market Zone 255 30.5 7-9PM 7.6 Al Hizam Road 175 20.09 8-10PM 5.0 Al Mirah Street 153 15.95 9-11PM 6.3 Muftaha Area 290 28.03 8-10PM 7.0 Al Mahalah District 209 17.43 8-10PM 7.0 Al Mahalah District 209 17.43 8-10PM 5.6 Al Raqa Neighborhood 241 22.64 9-11PM 5.6 Al Al Raqa Neighborhood 241 22.64 9-11PM 5.6 Al Al Raqa Neighborhood 241 22.64 9-11PM 5.6 Al Hizam Road 144 11.89 7-9PM 2.9 Abha Dam Park 189 21.1 9-11PM 5.2	Airport Road 260 28.18 7-9PM 7.04 11.3 Airport Road 260 28.18 7-9PM 7.04 11.3 Airport Road 228 18.64 7-9PM 4.66 7.5 Abha Mall Parking 264 27.87 9-11PM 6.97 11.1 Tuesday Market Zone 146 12.28 8-10PM 3.07 4.9 Al Raga Neighborhood 195 18.1 8-10PM 4.53 7.2 Abha Dam Park 288 25.33 8-10PM 5.19 8.3 Al Raga Neighborhood 249 20.76 9-11PM 5.19 8.3 Al Raga Neighborhood 249 20.76 9-11PM 5.19 8.3 Al Hizam Road 232 19.62 8-10PM 4.91 7.8 King Khalid University Gat 207 24.19 9-11PM 6.05 9.7 Tuesday Market Zone 253 29.29 9-11PM 7.32 11.7 Tuesday Market Zone 255 29.29 9-11PM 7.32 11.7 Tuesday Market Zone 255 39.29 9-11PM 7.02 12.2 Al Hizam Road 175 20.09 8-10PM 7.62 12.2 Al Hizam Road 175 20.09 8-10PM 7.62 12.2 Al Hizam Road 175 20.09 8-10PM 7.00 1.1 Al Markat Street 153 15.95 9-11PM 6.38 10.2 Muftaha Area 290 28.03 8-10PM 7.01 11.2 Al Markat District 209 17.43 8-10PM 4.36 7.7 Al Raga Neighborhood 241 22.64 9-11PM 5.06 9.1 Al Raga Neighborhood 5.02 8.00 8.00 8.00 8.00 8.00 8.00 8.00 8	Mufraha Area  246  29.3  9-11PM  7.33  11.7  100%  Aliport Road  28.18  7-9PM  7.9PM  7.04  11.3  99%  Aliport Road  22.8  18.64  7-9PM  4.66  7.5  6.5%  Abha Mall Parking  264  27.87  9-11PM  8-10PM  3.07  4.9  4.88  Aliport Road  195  181  8-10PM  3.07  4.9  3.07  4.9  4.83  Aliport Road  Aliport Road  195  181  8-10PM  3.07  4.9  3.07  4.9  3.07  4.9  4.83  Aliport Road  Aliport Road  195  181  8-10PM  3.07  4.9  1.01  8.09%  Aliport Road  105  9-11PM  3.09  3.07  4.9  4.9  4.9  4.9  4.9  4.9  4.9  4.	Mitter Area 246 203 9-11PM 7.33 11.7 100% Airport Road 260 28.18 7.9PM 7.04 11.3 99% Airport Road 228 18.44 7.9PM 7.04 11.3 99% Airport Road 228 18.44 7.9PM 7.04 18.45 7.5 5.59% Airport Road 228 18.44 7.9PM 7.04 18.0 9.7 11.1 99% Airport Road 228 18.44 7.9PM 7.04 18.0 9.7 11.1 99% Airport Road 240 27.67 9-11PM 7.09 18.0 7.2 5.59% Airport Road 19.5 18.1 9-10PM 7.04 18.5 7.2 5.59% Airport Road 19.5 18.1 9-10PM 7.04 18.5 7.2 5.59% Airport Road 240 25.53 8-10PM 7.05 18.3 18.1 18.0 18.0 18.0 18.0 18.0 18.0 18.0

Jul 13, 2025	Al Hizam Road	306	31.72 9–11PM	7.93 12.7	100%	
Jul 13, 2025	Airport Road	196	17.25 7–9PM	4.31 6.9	60%	
Jul 13, 2025	Al Mahalah District	254	22 9–11PM	5.5 8.8	77%	
Jul 13, 2025	Tuesday Market Zone	244	22.5 7–9PM	5.62	79%	
Jul 14, 2025	Al Soudah Entrance	278	26.86 9–11PM	6.71 10.7	94%	
Jul 14, 2025	Al Raqa Neighborhood	234	27.65 8–10PM	6.91 11.1	97%	
Jul 14, 2025	King Khalid University Gat	264	22.75 7–9PM	5.69 9.1	80%	
Jul 14, 2025	Abha Mall Parking	266	25.69 8–10PM	6.42 10.3	90%	
Jul 14, 2025	Airport Road	281	24.65 9–11PM	6.16 9.9	86%	
Jul 15, 2025	Abha Dam Park	245	26.26 9–11PM	6.57 10.5	92%	
Jul 15, 2025	Abha Mall Parking	293	27.07 8–10PM	6.77 10.8	95%	
Jul 15, 2025	Al Mi'ah Street	206	18.92 7–9PM	4.73 7.6	66%	
Jul 15, 2025	Al Soudah Entrance	212	24.65 7–9PM	6.16 9.9	86%	
Jul 15, 2025	Al Raqa Neighborhood	221	25.01 8–10PM	6.25	88%	
Jul 15, 2025	Al Mahalah District	336	39.76 9–11PM	9.94 15.9	100%	
Jul 16, 2025	Airport Road	179	15.87 9–11PM	3.97 6.3	56%	
Jul 16, 2025	Al Hizam Road	217	20.78 8-10PM	5.2 8.3	73%	
Jul 16, 2025	Al Soudah Entrance	240	23.87 9–11PM	5.97 9.5	84%	
Jul 16, 2025	Abha Mall Parking	244	21.7 9–11PM	5.42 8.7	76%	
Jul 16, 2025	Tuesday Market Zone	184	17.47 9–11PM	4.37 7	61%	
Jul 16, 2025	Al Mi'ah Street	222	21.93 8–10PM	5.48 8.8	77%	
Jul 17, 2025	King Khalid University Gat	190	16.07 9–11PM	4.02 6.4	56%	
Jul 17, 2025	Airport Road	265	27.86 7–9PM	6.96	98%	
Jul 17, 2025	Al Mi'ah Street	276	31.4 7–9PM	7.85	100%	

Jul 17, 2025	Al Hizam Road	201 17.22	8-10PM	4.3	6.9	60%	
Jul 17, 2025	Abha Mall Parking	196 22	8-10PM	5.5	8.8	77%	
Jul 18, 2025	Abha Dam Park	257 27.48	9–11PM	6.87	11	96%	
Jul 18, 2025	Al Raqa Neighborhood	272 22.17	7–9PM	5.54	8.9	78%	
Jul 18, 2025	Al Hizam Road	287 23.73	9–11PM	5.93	9.5	83%	
Jul 18, 2025	Al Mi'ah Street	256 26.22	9–11PM	6.55	10.5	92%	
Jul 18, 2025	Tuesday Market Zone	202 23.93	9–11PM	5.98	9.6	84%	
Jul 18, 2025	King Khalid University Gat	257 27.58	8–10PM	6.89	11	97%	
Jul 19, 2025	Al Soudah Entrance	229 19.64	8–10PM	4.91	7.9	69%	
Jul 19, 2025	Airport Road	170 19.59	9–11PM	4.9	7.8	69%	
Jul 19, 2025	King Khalid University Gat	213 19.61	8–10PM	4.9	7.8	69%	
Jul 19, 2025	Abha Dam Park	238 20.29	9–11PM	5.07	8.1	71%	
Jul 19, 2025	Al Mi'ah Street	238 27.73	7–9PM	6.93	11.1	97%	
Jul 19, 2025	Muftaha Area	315 34.02	7–9PM	8.51	13.6	100%	
Jul 20, 2025	Al Mi'ah Street	244 21.21	8–10PM	5.3	8.5	74%	
Jul 20, 2025	Al Hizam Road	194 18.76	8–10PM	4.69	7.5	66%	
Jul 20, 2025	Al Raqa Neighborhood	204 21.81	9–11PM	5.45	8.7	76%	
Jul 20, 2025	Abha Mall Parking	239 20.89	8–10PM	5.22	8.4	73%	
Jul 21, 2025	Al Mahalah District	173 17.67	9–11PM	4.42	7.1	62%	
Jul 21, 2025	Al Mi'ah Street	204 23.87	7–9PM	5.97	9.5	84%	
Jul 21, 2025	Al Hizam Road	195 22.52	9–11PM	5.63	9	79%	
Jul 21, 2025	Abha Dam Park	233 26.38	7–9PM	6.59	10.6	92%	
Jul 21, 2025	Muftaha Area	297 25.82	7–9PM	6.46	10.3	90%	
lul 22. 2025	Al Raga Neighborhood	157 15.93	7-9PM	3.98	6.4	56%	

Jul 22, 2025	Al Soudah Entrance	327	36.33 8–10PM	9.08	14.5	100%	
Jul 22, 2025	King Khalid University Gat	328	35.02 7–9PM	8.76	14	100%	
Jul 22, 2025	Abha Dam Park	163	17.49 7–9PM	4.37	7	61%	
Jul 22, 2025	Abha Mall Parking	314	27.93 8-10PM	6.98	11.2	98%	
Jul 22, 2025	Al Mahalah District	311	33.01 7–9PM	8.25	13.2	100%	
Jul 23, 2025	King Khalid University Gat	269	30.38 9–11PM	7.59	12.2	100%	
Jul 23, 2025	Al Raqa Neighborhood	280	22.88 9–11PM	5.72	9.2	80%	
Jul 23, 2025	Al Hizam Road	310	26.51 7–9PM	6.63	10.6	93%	
Jul 23, 2025	Abha Dam Park	203	20.26 7–9PM	5.07	8.1	71%	
Jul 24, 2025	Tuesday Market Zone	262	24.24 7–9PM	6.06	9.7	85%	
Jul 24, 2025	King Khalid University Gat	181	17.25 9–11PM	4.31	6.9	60%	
Jul 24, 2025	Al Hizam Road	236	27.22 7–9PM	6.8	10.9	95%	
Jul 25, 2025	Al Raqa Neighborhood	220	22.45 8–10PM	5.61	9	79%	
Jul 25, 2025	Muftaha Area	269	28.39 9–11PM	7.1	11.4	99%	
Jul 25, 2025	Al Mi'ah Street	290	31.59 9–11PM	7.9	12.6	100%	
Jul 26, 2025	Al Raqa Neighborhood	178	19.38 7–9PM	4.84	7.8	68%	
Jul 26, 2025	Airport Road	260	26.46 8–10PM	6.62	10.6	93%	
Jul 26, 2025	Al Hizam Road	140	15.64 7–9PM	3.91	6.3	55%	
Jul 26, 2025	Al Mahalah District	242	22.71 9–11PM	5.68	9.1	79%	
Jul 26, 2025	Al Soudah Entrance	271	22.26 9–11PM	5.57	8.9	78%	
Jul 27, 2025	Abha Dam Park	176	17.86 7–9PM	4.46	7.1	63%	
Jul 27, 2025	Abha Mall Parking	290	26.11 7–9PM	6.53	10.4	91%	
Jul 27, 2025	Tuesday Market Zone	259	27.7 7–9PM	6.92	11.1	97%	