BLOCK COMPLIANCE
Calculation Type: New Build (As Designed)

Design SAP
elmhurst energy

Block Reference	Block A HWHRS	**Issued on Date**	15/12/2021
Block Name	Residential Building A		
Assessor Details	Mr. Malcolm Maclean, SRE Limited, Tel: 01730 710044, malcolm@sre.co.uk	**Assessor ID**	V497-0002
Client	PMC , PMCC		

Block Compliance Report - DER

Block Reference: Block A HWHRS		Block Name: Residential Building A			
Property-Assessment Reference	**Multiplier**	**Floor Area (m^2)**	**DER ($kgCO_2/m^2$)**	**TER ($kgCO_2/m^2$)**	**% DER/TER**
002819-DF - CHP	1	81.1	20.77	24.85	16.42 %
002820-DF - CHP	1	39.1	20.03	29.17	31.33 %
002821-DF - CHP	1	54.5	21.86	26.96	18.92 %
002822-DF - CHP	1	67	19.02	23.48	19.01 %
002823-DF - CHP	1	72	23.25	27.24	14.66 %
002824-DF - CHP	1	70	22.90	29.74	22.99 %
002825-DF - CHP	1	77.4	18.63	22.85	18.48 %
002826-DF - CHP	1	73.4	22.83	25.94	12.00 %
002827-DF - CHP	1	81.1	20.77	24.85	16.42 %
002828-DF - CHP	1	39.1	20.21	29.17	30.71 %
002829-DF - CHP	1	54.5	24.51	29.59	17.18 %
002830-DF - CHP	1	67	22.29	26.23	15.01 %
002831-DF - CHP	1	74	23.32	25.92	10.03 %
002832-DF - CHP	1	74	22.41	26.33	14.89 %
002833-DF - CHP	1	81.1	13.72	20.29	32.39 %
002834-DF - CHP	1	81.1	13.72	20.29	32.39 %
002835-DF - CHP	1	41.8	13.50	24.44	44.75 %
002836-DF - CHP	1	41.8	13.50	24.44	44.75 %
002837-DF - CHP	1	50.3	17.03	24.02	29.11 %
002838-DF - CHP	1	50.3	19.22	26.57	27.66 %
002839-DF - CHP	1	62	17.72	21.56	17.83 %
002840-DF - CHP	1	62	20.12	24.17	16.77 %
002841-DF - CHP	1	74	16.93	21.72	22.06 %
002842-DF - CHP	1	74	17.32	22.09	21.59 %
002843-DF - CHP	1	72	16.02	22.71	29.45 %
002844-DF - CHP	1	72	13.67	19.89	31.28 %
002845-DF - CHP	1	61	19.51	25.07	22.18 %
002846-DF - CHP	1	61	16.79	22.38	24.97 %
002847-DF - CHP	1	71	23.22	27.70	16.19 %
002848-DF - CHP	1	71	23.65	29.09	18.70 %
002849-DF - CHP	1	81.1	13.72	20.29	32.39 %
002850-DF - CHP	1	41.8	13.50	24.44	44.75 %
002851-DF - CHP	1	50.3	17.03	24.02	29.11 %
002852-DF - CHP	1	62	17.53	21.56	18.71 %
002853-DF - CHP	1	74	16.93	21.72	22.06 %
002854-DF - CHP	1	72	16.02	22.71	29.45 %
002855-DF - CHP	1	61	19.51	25.07	22.18 %
002856-DF - CHP	1	71	20.16	24.56	17.93 %

002857-DF - CHP	1	81.1	13.72	20.29	32.39 %
002858-DF - CHP	1	41.8	13.50	24.44	44.75 %
002859-DF - CHP	1	50.3	19.22	26.57	27.66 %
002860-DF - CHP	1	62	20.12	24.17	16.77 %
002861-DF - CHP	1	74	17.32	22.09	21.59 %
002862-DF - CHP	1	72	13.67	19.89	31.28 %
002863-DF - CHP	1	61	16.79	22.38	24.97 %
002864-DF - CHP	1	71	21.74	25.90	16.05 %
002865-DF - CHP	1	81.1	22.28	25.90	13.97 %
002866-DF - CHP	1	41.8	22.02	29.85	26.24 %
002867-DF - CHP	1	81.1	22.28	25.90	13.97 %
002868-DF - CHP	1	41.8	22.03	29.86	26.23 %
002869-DF - CHP	1	50.3	17.03	24.02	29.11 %
002870-DF - CHP	1	62	17.53	21.56	18.71 %
002871-DF - CHP	1	74	16.93	21.72	22.06 %
002872-DF - CHP	1	72	16.02	22.71	29.45 %
002873-DF - CHP	1	61	19.51	25.07	22.18 %
002874-DF - CHP	1	71	20.16	24.56	17.93 %
002875-DF - CHP	1	50.3	19.22	26.57	27.66 %
002876-DF - CHP	1	62	20.12	24.17	16.77 %
002877-DF - CHP	1	74	17.32	22.09	21.59 %
002878-DF - CHP	1	72	13.67	19.89	31.28 %
002879-DF - CHP	1	61	16.79	22.38	24.97 %
002880-DF - CHP	1	71	21.74	25.90	16.05 %
002881-DF - CHP	1	50.3	17.43	24.33	28.37 %
002882-DF - CHP	1	50.3	19.65	26.91	26.98 %
002883-DF - CHP	1	62	17.53	21.56	18.71 %
002884-DF - CHP	1	74	16.93	21.72	22.06 %
002885-DF - CHP	1	72	16.02	22.71	29.45 %
002886-DF - CHP	1	61	19.51	25.07	22.18 %
002887-DF - CHP	1	71	20.99	25.27	16.92 %
002888-DF - CHP	1	71	22.85	26.83	14.83 %
002889-DF - CHP	1	62	20.12	24.17	16.77 %
002890-DF - CHP	1	74	17.32	22.09	21.59 %
002891-DF - CHP	1	72	13.67	19.89	31.28 %
002892-DF - CHP	1	61	16.79	22.38	24.97 %
002893-DF - CHP	1	50.3	17.43	24.33	28.37 %
002894-DF - CHP	1	62	17.53	21.56	18.71 %
002895-DF - CHP	1	74	16.93	21.72	22.06 %
002896-DF - CHP	1	72	16.02	22.71	29.45 %
002897-DF - CHP	1	61	19.51	25.07	22.18 %
002898-DF - CHP	1	71	20.99	25.27	16.92 %
002899-DF - CHP	1	50.3	27.35	30.82	11.27 %
002900-DF - CHP	1	62	24.22	27.06	10.49 %
002901-DF - CHP	1	74	22.51	27.66	18.63 %
002902-DF - CHP	1	72	23.33	28.40	17.84 %
002903-DF - CHP	1	61	23.97	31.80	24.61 %

002904-DF - CHP	1	50.3	25.77	33.79	23.74 %
002905-DF - CHP	1	62	25.44	30.06	15.37 %
002906-DF - CHP	1	74	22.97	28.08	18.21 %
002907-DF - CHP	1	72	21.81	25.14	13.25 %
002908-DF - CHP	1	61	24.23	28.71	15.60 %
002909-DF - CHP	1	71	33.24	34.72	4.26 %
002910-DF - CHP	1	71	23.38	32.48	28.03 %
Totals:	92	5954.9	1,779.01	2,293.39	
Average DER = 19.34 $kgCO_2/m^2$		% DER/TER	PASS		
Average TER = 24.74 $kgCO_2/m^2$		21.83 %			

Block Compliance Report - DFEE

Block Reference: Block A HWHRS		Block Name: Residential Building A			
Property-Assessment Reference	Multiplier	Floor Area (m^2)	DFEE ($kWh/m^2/yr$)	TFEE ($kWh/m^2/yr$)	% DFEE/TFEE
002819-DF - CHP	1	81.1	41.25	47.98	14.02 %
002820-DF - CHP	1	39.1	38.82	42.00	7.58 %
002821-DF - CHP	1	54.5	41.67	44.47	6.29 %
002822-DF - CHP	1	67	36.87	38.76	4.86 %
002823-DF - CHP	1	72	46.11	53.37	13.61 %
002824-DF - CHP	1	70	53.59	60.89	11.99 %
002825-DF - CHP	1	77.4	36.70	39.98	8.20 %
002826-DF - CHP	1	73.4	45.05	49.09	8.23 %
002827-DF - CHP	1	81.1	41.25	47.98	14.02 %
002828-DF - CHP	1	39.1	39.17	42.00	6.74 %
002829-DF - CHP	1	54.5	47.25	53.68	11.98 %
002830-DF - CHP	1	67	43.40	47.77	9.14 %
002831-DF - CHP	1	74	45.84	50.12	8.55 %
002832-DF - CHP	1	74	46.84	51.46	8.98 %
002833-DF - CHP	1	81.1	27.18	32.97	17.55 %
002834-DF - CHP	1	81.1	27.18	32.97	17.55 %
002835-DF - CHP	1	41.8	25.11	28.26	11.14 %
002836-DF - CHP	1	41.8	25.11	28.26	11.14 %
002837-DF - CHP	1	50.3	32.78	33.60	2.43 %
002838-DF - CHP	1	50.3	37.43	42.27	11.44 %
002839-DF - CHP	1	62	34.51	31.25	-10.43 %
002840-DF - CHP	1	62	39.49	40.01	1.29 %
002841-DF - CHP	1	74	33.05	36.21	8.74 %
002842-DF - CHP	1	74	33.86	37.42	9.49 %
002843-DF - CHP	1	72	32.06	38.51	16.77 %
002844-DF - CHP	1	72	26.75	29.20	8.40 %
002845-DF - CHP	1	61	38.51	42.54	9.47 %
002846-DF - CHP	1	61	32.86	33.54	2.05 %
002847-DF - CHP	1	71	49.61	54.98	9.77 %
002848-DF - CHP	1	71	53.36	59.51	10.34 %
002849-DF - CHP	1	81.1	27.18	32.97	17.55 %
002850-DF - CHP	1	41.8	25.11	28.26	11.14 %

002851-DF - CHP	1	50.3	32.78	33.60	2.43 %
002852-DF - CHP	1	62	34.12	31.25	-9.18 %
002853-DF - CHP	1	74	33.05	36.21	8.74 %
002854-DF - CHP	1	72	32.06	38.51	16.77 %
002855-DF - CHP	1	61	38.51	42.54	9.47 %
002856-DF - CHP	1	71	40.68	44.58	8.75 %
002857-DF - CHP	1	81.1	27.18	32.97	17.55 %
002858-DF - CHP	1	41.8	25.11	28.26	11.14 %
002859-DF - CHP	1	50.3	37.43	42.27	11.44 %
002860-DF - CHP	1	62	39.49	40.01	1.29 %
002861-DF - CHP	1	74	33.86	37.42	9.49 %
002862-DF - CHP	1	72	26.75	29.20	8.40 %
002863-DF - CHP	1	61	32.86	33.54	2.05 %
002864-DF - CHP	1	71	43.83	48.94	10.44 %
002865-DF - CHP	1	81.1	44.21	51.45	14.06 %
002866-DF - CHP	1	41.8	42.70	46.75	8.66 %
002867-DF - CHP	1	81.1	44.21	51.45	14.06 %
002868-DF - CHP	1	41.8	42.72	46.78	8.67 %
002869-DF - CHP	1	50.3	32.78	33.60	2.43 %
002870-DF - CHP	1	62	34.12	31.25	-9.18 %
002871-DF - CHP	1	74	33.05	36.21	8.74 %
002872-DF - CHP	1	72	32.06	38.51	16.77 %
002873-DF - CHP	1	61	38.51	42.54	9.47 %
002874-DF - CHP	1	71	40.68	44.58	8.75 %
002875-DF - CHP	1	50.3	37.43	42.27	11.44 %
002876-DF - CHP	1	62	39.49	40.01	1.29 %
002877-DF - CHP	1	74	33.86	37.42	9.49 %
002878-DF - CHP	1	72	26.75	29.20	8.40 %
002879-DF - CHP	1	61	32.86	33.54	2.05 %
002880-DF - CHP	1	71	43.83	48.94	10.44 %
002881-DF - CHP	1	50.3	33.60	34.64	3.01 %
002882-DF - CHP	1	50.3	38.28	43.40	11.79 %
002883-DF - CHP	1	62	34.12	31.25	-9.18 %
002884-DF - CHP	1	74	33.05	36.21	8.74 %
002885-DF - CHP	1	72	32.06	38.51	16.77 %
002886-DF - CHP	1	61	38.51	42.54	9.47 %
002887-DF - CHP	1	71	42.31	46.90	9.78 %
002888-DF - CHP	1	71	46.01	52.01	11.53 %
002889-DF - CHP	1	62	39.49	40.01	1.29 %
002890-DF - CHP	1	74	33.86	37.42	9.49 %
002891-DF - CHP	1	72	26.75	29.20	8.40 %
002892-DF - CHP	1	61	32.86	33.54	2.05 %
002893-DF - CHP	1	50.3	33.60	34.64	3.01 %
002894-DF - CHP	1	62	34.12	31.25	-9.18 %
002895-DF - CHP	1	74	33.05	36.21	8.74 %
002896-DF - CHP	1	72	32.06	38.51	16.77 %
002897-DF - CHP	1	61	38.51	42.54	9.47 %

002898-DF - CHP	1	71	42.31	46.90	9.78 %
002899-DF - CHP	1	50.3	52.99	56.24	5.77 %
002900-DF - CHP	1	62	50.73	49.57	-2.35 %
002901-DF - CHP	1	74	49.79	55.92	10.98 %
002902-DF - CHP	1	72	49.07	57.15	14.15 %
002903-DF - CHP	1	61	57.25	64.77	11.61 %
002904-DF - CHP	1	50.3	58.04	66.05	12.13 %
002905-DF - CHP	1	62	56.49	59.46	5.00 %
002906-DF - CHP	1	74	50.70	57.30	11.52 %
002907-DF - CHP	1	72	43.15	46.57	7.34 %
002908-DF - CHP	1	61	51.03	54.61	6.55 %
002909-DF - CHP	1	71	66.73	78.44	14.92 %
002910-DF - CHP	1	71	61.66	70.99	13.14 %
Totals:	92	5954.9	3,574.10	3,918.80	

Average DFEE = 38.95 kWh/m²/yr	**% DFEE/TFEE**	PASS
Average TFEE = 42.86 kWh/m²/yr	9.12 %	