

Mulberry Lea

Plot 9 - The Hethersett (UpAj) - COP for 35° Circulation Temperature

Actual Show House Recorded Heating and Hot Water Costs

		Weekly Average Temperature °C	Actual Heat Pump weekly cost	Equivalent Oil weekly cost	Equivalent Gas weekly cost	Weekly Saving over Oil	Weekly Saving over Gas
4 days to	23/09/2007	16.1	£2.07	£4.16	£4.55	£2.09	£2.48
Week ending	30/09/2007	12.2	£6.13	£11.66	£11.05	£5.53	£4.92
Week ending	07/10/2007	12.5	£5.26	£10.10	£9.95	£4.84	£4.69
Week ending	14/10/2007	12.8	£4.77	£9.16	£9.29	£4.39	£4.52
Week ending	21/10/2007	9.7	£8.46	£15.24	£13.59	£6.78	£5.13
Week ending	28/10/2007	9.7	£7.95	£14.43	£13.01	£6.48	£5.06
Week ending	04/11/2007	9.8	£7.31	£13.46	£12.32	£6.15	£5.01
Week ending	11/11/2007	7.9	£9.13	£16.18	£14.23	£7.05	£5.10
Week ending	18/11/2007	3.7	£23.32	£37.89	£29.56	£14.57	£6.24
Week ending	25/11/2007	5.7	£17.89	£30.17	£24.12	£12.28	£6.23
Week ending	02/12/2007	6.6	£14.95	£25.89	£21.10	£10.94	£6.15
Week ending	09/12/2007	7.7	£13.85	£24.39	£20.03	£10.54	£6.18
Week ending	16/12/2007	1.3	£33.40	£51.42	£39.12	£18.02	£5.72
Week ending	23/12/2007	2.5	£28.09	£44.41	£34.15	£16.32	£6.06
Week ending	30/12/2007	5.8	£17.68	£30.12	£24.08	£12.44	£6.40
Week ending	06/01/2008	4.3	£20.55	£33.61	£26.53	£13.06	£5.98
Week ending	13/01/2008	6.3	£16.03	£32.67	£22.47	£16.64	£6.44
Week ending	20/01/2008	8.5	£12.12	£25.16	£18.03	£13.04	£5.91
Week ending	27/01/2008	6.9	£14.83	£30.25	£21.01	£15.42	£6.18
Week ending	03/02/2008	4.1	£19.39	£37.46	£25.31	£18.07	£5.92
Week ending	10/02/2008	6.3	£17.79	£35.93	£25.89	£18.14	£8.10
Week ending	17/02/2008	3.0	£31.23	£58.45	£42.81	£27.22	£11.58
Week ending	24/02/2008	4.7	£22.91	£42.93	£32.15	£20.02	£9.24
Week ending	02/03/2008	6.6	£13.73	£27.82	£21.78	£14.09	£8.05
Week ending	09/03/2008	5.8	£16.48	£32.43	£24.94	£15.95	£8.46
Week ending	16/03/2008	7.4	£13.56	£27.98	£21.88	£14.42	£8.32
Week ending	23/03/2008	3.8	£20.28	£38.99	£29.44	£18.71	£9.16
Week ending	30/03/2008	5.4	£15.76	£31.07	£23.99	£15.31	£8.23
Week ending	06/04/2008	7.6	£13.17	£22.62	£18.35	£9.45	£5.18
Week ending	13/04/2008	6.1	£14.37	£24.18	£19.43	£9.81	£5.06
Week ending	20/04/2008	6.7	£15.48	£28.49	£20.98	£13.01	£5.50
Week ending	27/04/2008	11.0	£8.00	£15.68	£12.87	£7.68	£4.87
Week ending	04/05/2008	10.6	£6.41	£12.54	£10.90	£6.13	£4.49
Week ending	11/05/2008	16.8	£2.44	£5.05	£6.15	£2.61	£3.71
Week ending	18/05/2008	12.3	£6.09	£12.21	£10.69	£6.12	£4.60
Week ending	25/05/2008	11.5	£5.51	£10.88	£9.85	£5.37	£4.34
Week ending	01/06/2008	14.5	£4.65	£9.68	£9.00	£5.03	£4.35
Week ending	08/06/2008	14.1	£5.27	£10.89	£9.58	£5.62	£4.31
Week ending	15/06/2008	13.5	£3.70	£7.38	£7.44	£3.68	£3.74
Week ending	22/06/2008	13.9	£3.17	£6.47	£6.90	£3.30	£3.73
Week ending	29/06/2008	15.7	£2.81	£5.80	£6.47	£2.99	£3.66
Week ending	06/07/2008	16.3	£2.20	£4.49	£5.67	£2.29	£3.47
Week ending	13/07/2008	14.9	£3.84	£8.03	£7.82	£4.19	£3.98
Week ending	20/07/2008	15.9	£3.25	£6.75	£7.03	£3.50	£3.78
Week ending	27/07/2008	18.7	£2.12	£4.32	£5.59	£2.20	£3.47
Week ending	03/08/2008	19.5	£1.93	£3.95	£5.34	£2.02	£3.41
Week ending	10/08/2008	16.6	£2.97	£6.26	£6.76	£3.29	£3.79
Week ending	17/08/2008	16.0	£3.85	£8.10	£7.88	£4.25	£4.03
Week ending	24/08/2008	16.0	£3.75	£7.68	£7.68	£3.93	£3.93
Week ending	31/08/2008	18.5	£3.72	£6.82	£7.36	£3.10	£3.64
Week ending	07/09/2008	14.6	£6.21	£10.71	£9.71	£4.50	£3.50

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	Weekly Average Temperature °C	Actual Heat Pump weekly cost	Equivalent Oil weekly cost	Equivalent Gas weekly cost	Weekly Saving over Oil	Weekly Saving over Gas
Week ending 14/09/2008	15.1	£6.53	£11.38	£10.12	£4.85	£3.59
Week ending 21/09/2008	12.6	£7.45	£12.46	£10.78	£5.01	£3.33
Week ending 28/09/2008	12.7	£8.25	£13.70	£11.54	£5.45	£3.29
Week ending 05/10/2008	9.2	£13.82	£21.19	£20.05	£7.37	£6.23
Week ending 12/10/2008	12.2	£10.18	£16.89	£16.54	£6.71	£6.36
Week ending 19/10/2008	11.0	£13.47	£21.55	£20.42	£8.08	£6.95
Week ending 26/10/2008	9.1	£16.99	£26.45	£24.52	£9.46	£7.53
Week ending 02/11/2008	4.9	£27.51	£38.77	£34.83	£11.26	£7.32
Week ending 09/11/2008	9.1	£17.84	£27.73	£25.60	£9.89	£7.76
Week ending 16/11/2008	8.8	£20.95	£32.26	£29.38	£11.31	£8.43
Week ending 23/11/2008	5.8	£28.49	£40.35	£36.16	£11.86	£7.67
Week ending 30/11/2008	5.1	£30.54	£43.53	£38.81	£12.99	£8.27
Week ending 07/12/2008	2.6	£36.98	£49.79	£44.03	£12.81	£7.05
Week ending 14/12/2008	3.0	£37.83	£51.05	£45.08	£13.22	£7.25
Week ending 21/12/2008	6.7	£25.99	£38.28	£33.79	£12.29	£7.80
Week ending 28/12/2008	4.7	£37.90	£52.66	£44.28	£14.76	£6.38
Week ending 04/01/2009	0.0	£44.20	£56.09	£47.00	£11.89	£2.80
Week ending 11/01/2009	0.6	£45.99	£58.60	£48.98	£12.61	£2.99
Week ending 18/01/2009	5.4	£25.71	£36.97	£31.82	£11.26	£6.11
Week ending 25/01/2009	3.6	£29.98	£41.46	£35.38	£11.48	£5.40
Week ending 01/02/2009	2.9	£34.72	£46.86	£39.65	£12.14	£4.93
Week ending 08/02/2009	0.3	£46.25	£58.80	£49.14	£12.55	£2.89
Week ending 15/02/2009	2.0	£36.24	£47.89	£40.49	£11.65	£4.25
Week ending 22/02/2009	7.3	£20.41	£30.59	£26.75	£10.18	£6.34
Week ending 01/03/2009	7.8	£19.98	£30.20	£26.43	£10.22	£6.45
Week ending 08/03/2009	5.5	£24.14	£34.47	£29.82	£10.33	£5.68
Week ending 15/03/2009	7.3	£20.15	£30.13	£26.38	£9.98	£6.23
Week ending 22/03/2009	7.3	£19.04	£28.69	£25.23	£9.65	£6.19
Week ending 29/03/2009	6.7	£21.74	£32.14	£27.97	£10.40	£6.23
Week ending 05/04/2009	8.6	£14.64	£23.41	£21.04	£8.77	£6.40
Week ending 12/04/2009	10.7	£12.23	£20.41	£18.67	£8.18	£6.44
Week ending 19/04/2009	11.0	£12.72	£21.28	£19.36	£8.56	£6.64
Week ending 26/04/2009	11.5	£10.38	£17.56	£16.40	£7.18	£6.02
Week ending 03/05/2009	10.4	£9.67	£11.19	£14.32	£1.52	£4.65
Week ending 10/05/2009	12.5	£8.29	£10.17	£13.12	£1.88	£4.83
Week ending 17/05/2009	12.1	£8.62	£10.45	£13.45	£1.83	£4.83
Week ending 24/05/2009	13.0	£6.52	£8.29	£10.97	£1.77	£4.45
Week ending 31/05/2009	14.9	£3.91	£5.67	£7.91	£1.76	£4.00
Week ending 07/06/2009	12.6	£1.06	£2.62	£4.31	£1.56	£3.25
Week ending 14/06/2009	14.1	£4.35	£6.06	£8.36	£1.71	£4.01
Week ending 21/06/2009	14.8	£4.67	£6.48	£8.83	£1.81	£4.16
Week ending 28/06/2009	17.4	£1.09	£2.69	£4.60	£1.60	£3.51
Week ending 05/07/2009	19.7	£1.94	£3.57	£5.48	£1.63	£3.54
Week ending 12/07/2009	15.4	£4.05	£5.81	£8.07	£1.76	£4.02
Week ending 19/07/2009	17.0	£3.69	£5.50	£7.72	£1.81	£4.03
Week ending 26/07/2009	16.6	£4.08	£5.92	£8.21	£1.84	£4.13
Week ending 02/08/2009	15.5	£4.30	£6.11	£8.43	£1.81	£4.13
Week ending 09/08/2009	18.8	£3.18	£4.98	£6.84	£1.80	£3.66
Week ending 16/08/2009	18.6	£3.12	£4.89	£7.00	£1.77	£3.88
Week ending 23/08/2009	18.5	£3.22	£5.00	£7.11	£1.78	£3.89
Week ending 30/08/2009	17.2	£4.45	£6.37	£8.74	£1.92	£4.29

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Actual Show House Recorded Heating and Hot Water Costs

	Weekly Average Temperature °C	Actual Heat Pump weekly cost	Equivalent Oil weekly cost	Equivalent Gas weekly cost	Weekly Saving over Oil	Weekly Saving over Gas
Week ending 06/09/2009	16.2	£6.21	£8.25	£10.92	£2.04	£4.71
Week ending 13/09/2009	15.2	£6.15	£8.03	£10.64	£1.88	£4.49
Week ending 20/09/2009	15.3	£7.37	£9.50	£12.36	£2.13	£4.99
Week ending 27/09/2009	14.2	£8.20	£10.28	£13.25	£2.08	£5.05
Week ending 04/10/2009	13.2	£9.27	£11.19	£14.31	£1.92	£5.04
Week ending 11/10/2009	11.5	£14.08	£15.91	£19.78	£1.83	£5.70
Week ending 18/10/2009	10.3	£12.56	£14.16	£17.75	£1.60	£5.19
Week ending 25/10/2009	11.6	£13.41	£15.28	£19.05	£1.87	£5.64
Week ending 01/11/2009	12.0	£12.19	£14.20	£17.79	£2.01	£5.60
Week ending 08/11/2009	7.5	£19.45	£20.16	£24.71	£0.71	£5.26
Week ending 15/11/2009	8.2	£17.84	£18.63	£22.95	£0.79	£5.11
Week ending 22/11/2009	10.5	£13.13	£14.78	£18.47	£1.65	£5.34
Week ending 29/11/2009	7.9	£20.19	£20.77	£25.41	£0.58	£5.22
Week ending 06/12/2009	5.9	£22.66	£27.15	£27.36	£4.49	£4.70
Week ending 13/12/2009	5.8	£23.26	£27.70	£27.87	£4.44	£4.61
Week ending 20/12/2009	-0.3	£46.60	£47.46	£46.32	£0.86	-£0.28
Week ending 27/12/2009	1.0	£41.17	£43.17	£42.33	£2.00	£1.16
Week ending 03/01/2010	1.7	£39.37	£42.46	£41.65	£3.09	£2.28
Week ending 10/01/2010	-2.4	£52.19	£50.82	£49.43	-£1.37	-£2.76
Week ending 17/01/2010	1.8	£33.14	£35.94	£35.57	£2.80	£2.43
Week ending 24/01/2010	4.0	£26.14	£30.14	£30.15	£4.00	£4.01
Week ending 31/01/2010	1.7	£36.50	£39.26	£38.65	£2.76	£2.15
Week ending 07/02/2010	3.2	£28.85	£32.54	£32.37	£3.69	£3.52
Week ending 14/02/2010	1.8	£33.31	£36.12	£35.72	£2.81	£2.41
Week ending 21/02/2010	1.2	£33.66	£36.06	£35.69	£2.40	£2.03
Week ending 28/02/2010	3.8	£25.46	£29.17	£29.26	£3.71	£3.80
Week ending 07/03/2010	2.2	£32.30	£35.31	£34.98	£3.01	£2.68
Week ending 14/03/2010	4.1	£23.00	£26.42	£26.70	£3.42	£3.70
Week ending 21/03/2010	8.7	£14.57	£18.74	£19.54	£4.17	£4.97
Week ending 28/03/2010	9.4	£13.43	£17.68	£18.56	£4.25	£5.13
Week ending 04/04/2010	6.8	£19.80	£24.21	£24.63	£4.41	£4.83
Week ending 11/04/2010	9.0	£13.66	£17.78	£18.63	£4.12	£4.97
Week ending 18/04/2010	8.8	£13.59	£17.65	£18.54	£4.06	£4.95
Week ending 25/04/2010	8.9	£11.62	£15.13	£16.18	£3.51	£4.56
Week ending 02/05/2010	12.1	£8.47	£11.93	£13.20	£3.46	£4.73
Week ending 09/05/2010	8.4	£12.81	£16.63	£17.58	£3.82	£4.77
Week ending 16/05/2010	8.5	£11.51	£14.94	£16.00	£3.43	£4.49
Week ending 23/05/2010	15.5	£4.62	£7.09	£8.68	£2.47	£4.06
Week ending 30/05/2010	13.1	£6.42	£9.43	£10.84	£3.01	£4.42
Week ending 06/06/2010	14.8	£5.44	£8.20	£9.71	£2.76	£4.27
Week ending 13/06/2010	14.6	£6.18	£9.27	£10.71	£3.09	£4.53
Week ending 20/06/2010	11.4	£7.37	£10.50	£11.85	£3.13	£4.48
Week ending 27/06/2010	18.4	£2.40	£4.27	£6.05	£1.87	£3.65
Week ending 04/07/2010	19.8	£1.96	£3.65	£5.46	£1.69	£3.50
Week ending 11/07/2010	19.6	£1.96	£3.60	£5.42	£1.64	£3.46
Week ending 18/07/2010	17.7	£2.05	£3.71	£5.53	£1.66	£3.48
Week ending 25/07/2010	19.1	£1.99	£3.68	£5.51	£1.69	£3.52
Week ending 01/08/2010	17.5	£1.97	£3.63	£5.46	£1.66	£3.49
Week ending 08/08/2010	16.2	£2.06	£3.77	£5.58	£1.71	£3.52
Week ending 15/08/2010	16.1	£2.05	£3.73	£5.54	£1.68	£3.49
Week ending 22/08/2010	17.5	£1.89	£3.53	£5.35	£1.64	£3.46
Week ending 29/08/2010	14.6	£2.18	£3.86	£5.67	£1.68	£3.49

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Actual Show House Recorded Heating and Hot Water Costs

	Weekly Average Temperature °C	Actual Heat Pump weekly cost	Equivalent Oil weekly cost	Equivalent Gas weekly cost	Weekly Saving over Oil	Weekly Saving over Gas
Week ending 05/09/2010	14.4	£2.03	£3.64	£5.46	£1.61	£3.43
Week ending 12/09/2010	15.9	£1.97	£3.61	£5.43	£1.64	£3.46
Week ending 19/09/2010	13.0	£8.03	£11.41	£12.70	£3.38	£4.67
Week ending 26/09/2010	13.5	£10.22	£14.36	£15.46	£4.14	£5.24
Week ending 03/10/2010	13.3	£9.54	£13.64	£14.78	£4.10	£5.24
Total	10.2	£2,278.73	£3,261.90	£3,051.23	£983.17	£772.50
Saving in running costs by using Air Source Heat Pump(ASHP)					30.1%	25.3%
First 52 Weeks	10.3	£573.81	£1,056.25	£856.73	£482.44	£282.92
Second 52 Weeks	10.2	£865.20	£1,227.30	£1,142.93	£362.10	£277.73
Second 52 Weeks	9.9	£819.96	£950.35	£1,021.33	£130.39	£201.37
Total Carbon Dioxide emission to date		kg 9,270	kg 21,404	kg 17,025	CO ₂ saving 12,134	CO ₂ saving 7,755
Air Source Heat Pump(ASHP) total Carbon footprint reduction to date					56.7%	45.6%