

Part Night Switch Off Savings

OVERALL TOTALS				July 12	Nov-13
No of Units		Tonnes of CO ₂ saved		Energy saved @ 9.5p pkWh	Energy saved @ 10.5p pkWh
PATHS	461		45	£7,985.20	£8,825.75
ROADS	407		90	£15,876.42	£17,547.63
SIGNIFICANT	1,727		395	£69,421.63	£76,729.17
OVERALL TOTALS	2,595		531	£93,283.25	£103,102.55

EXTRA £9819.3

Area - PATHS	No of Lights	Col. Nos.	Ward	Wattage	Total Load	Burning Period (hrs p/a)	Energy Cost Dusk to Dawn	Burning Period (hrs p/a)	Energy Cost Part Night	Saving per Year
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Assuming dusk to dawn burning hours (with an Electronic PEC 70/35) of 4,141 hours.

Assume switching of PEC Dusk to 24.00 / 05.30 to Dawn (35 lux), of 2,182 hours (Energy cost of 9.5p per kWh)

Battle Hill Waggonway	15	19 – 26A389, 33 – 38 & 42B781	Battle Hill	36	540	4141	£212.43	2182	£111.94	£100.50
Oakhurst Terrace	5	7 & 10 - 12O158, 4H503,	Benton	80	400	4141	£157.36	2182	£82.92	£74.44
Granville Crescent	9	6 - 14G323	Benton	80	720	4141	£283.24	2182	£149.25	£134.00
Woodvale Road	8	20 - 25W677, 86W537, un-numbered	Camperdown	114	912	4141	£358.78	2182	£189.05	£169.73
Killingworth Lake play area	9	20 - 28N281,	Camperdown	36	324	4141	£127.46	2182	£67.16	£60.30
Killingworth Lake play area	11	75 - 85W537	Camperdown	36	396	4141	£155.78	2182	£82.09	£73.70
Wallsend Road	3	78 – 80W479	Chirton	123	369	4141	£145.16	2182	£76.49	£68.67
Wallsend Road	4	50, 52, 54 & 56AW479	Chirton	279	1116	4141	£439.03	2182	£231.34	£207.69
Wallsend Road	1	1S660	Chirton	123	123	4141	£48.39	2182	£25.50	£22.89

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Percy Main / West Chirton Waggonway	48	1-22XR5 , 1-26XR6	Chirton	50	2400	4141	£944.15	2182	£497.50	£446.65
Farringdon Road to Rake Lane	12	12 – 23T255	Cullercoats	80	960	4141	£377.66	2182	£199.00	£178.66
East Bailey	14	109 – 121E287, 9H501	Killingworth	114	1596	4141	£627.86	2182	£330.83	£297.02
Green Lane	4	12 - 15L440,	Killingworth	62	248	4141	£97.56	2182	£51.41	£46.15
Green Lane	3	10 - 12K257	Killingworth	62	186	4141	£73.17	2182	£38.56	£34.62
Green Lane	6	10 – 15A422	Killingworth	62	372	4141	£146.34	2182	£77.11	£69.23
Green Lane	17	1 – 8G339, 10 – 18G339,	Killingworth	36	612	4141	£240.76	2182	£126.86	£113.90
Green Lane	2	29 & 30G386	Killingworth	36	72	4141	£28.32	2182	£14.92	£13.40
Pathways between Killingworth Village and East Bailey	22	77, 78, 80E287, 90 - 108E287,	Killingworth	172	3784	4141	£1,488.61	2182	£784.39	£704.22
Pathways between Killingworth Village and East Bailey	2	3, 4S683,	Killingworth	62	124	4141	£48.78	2182	£25.70	£23.08
Pathways between Killingworth Village and East Bailey	1	6S593	Killingworth	36	36	4141	£14.16	2182	£7.46	£6.70
West Farm Wynd to Salters Lane	7	24W544, 46W544, 49 – 53W544	Longbenton	114	798	4141	£313.93	2182	£165.42	£148.51
Benton Lane to Benton Lane.....	6	17 – 22B715	Longbenton	172	1032	4141	£405.98	2182	£213.92	£192.06
Hartley Avenue to Monkseaton Drive	26	98 – 123XR4	Monkseaton N	172	4472	4141	£1,759.26	2182	£927.00	£832.26
Home Park to Railway underpass	2	7 – 8H597,	Northumberland	36	72	4141	£28.32	2182	£14.92	£13.40
Home Park to Railway underpass	5	15 – 19H597	Northumberland	62	310	4141	£121.95	2182	£64.26	£57.69
Hotspur Road to Mullen Road	7	32 – 38M570	Northumberland	114	798	4141	£313.93	2182	£165.42	£148.51
Hedlam View to Howdon Lane	13	15 – 27H531	Riverside	62	806	4141	£317.08	2182	£167.08	£150.00
Howdon Lane to the A19	19	23 – 41H617	Riverside	29	551	4141	£216.76	2182	£114.22	£102.54
Howdon Road	4	19 – 22H618	Riverside	36	144	4141	£56.65	2182	£29.85	£26.80

Area - ROADS	No of Lights	Col. Nos.	Ward	Wattage	Total Load	Burning Period (hrs p/a)	Energy Cost Dusk to Dawn	Burning Period (hrs p/a)	Energy Cost Part Night	Saving per Year
Assuming dusk to dawn burning hours (with an Electronic PEC 70/35) of 4,141 hours.										
Assume switching of PEC Dusk to 24.00 / 05.30 to Dawn (35 lux), of 2,182 hours (Energy cost of 9.5p kWh)										
Burradon Road	17	33 - 49B913	Camperdown	172	2924	4141	£1,150.29	2182	£606.12	£544.17
Weetslade Road	16	40 - 55W514	Camperdown	279	4464	4141	£1,756.12	2182	£925.34	£830.77
High Flatworth	29	3 - 31XR87	Chirton	172	4988	4141	£1,962.25	2182	£1,033.96	£928.29
High Flatworth to Silverlink bus lane	18	32XR87 - 35XR87, 40 & 41XR87, 45XR87 - 56XR87	Chirton / Collingwood	172	3096	4141	£1,217.95	2182	£641.77	£576.18
High Flatworth to Silverlink bus lane (paths)	7	36XR87 - 39XR87, 42XR87 - 44XR87	Chirton / Collingwood	114	798	4141	£313.93	2182	£165.42	£148.51
Murton Lane	18	2 - 19M574	Collingwood	80	1440	4141	£566.49	2182	£298.50	£267.99
Francis Way / Edmund Road	3	1 - 3F365	Killingworth	279	837	4141	£329.27	2182	£173.50	£155.77
Francis Way / Edmund Road	7	1 - 7E315	Killingworth	279	1953	4141	£768.30	2182	£404.84	£363.46
Whitley Road to Rising Sun Country Park	18	1 - 18R420	Killingworth	172	3096	4141	£1,217.95	2182	£641.77	£576.18
Rink Way	7	1 - 7R351	Monkseaton S	172	1204	4141	£473.65	2182	£249.58	£224.07
Monks Wood	13	2 - 14M537	Preston	84	1092	4141	£429.59	2182	£226.36	£203.23
Ropery Lane / Western Road	15	3 - 17R373	Riverside	279	4185	4141	£1,646.36	2182	£867.51	£778.85
Ropery Lane / Western Road	9	6 - 14W564	Riverside	172	1548	4141	£608.98	2182	£320.88	£288.09
Howdon Road	9	8 - 14H618, 17 - 18H618	Riverside	172	1548	4141	£608.98	2182	£320.88	£288.09
Hayhole Road	20	1 - 20H523	Riverside	279	5580	4141	£2,195.14	2182	£1,156.68	£1,038.47
Coble Dene	76	1 - 76C762	Riverside	279	21204	4141	£8,341.55	2182	£4,395.38	£3,946.17
Coble Dene	6	1 - 6R391	Riverside	279	1674	4141	£658.54	2182	£347.00	£311.54
Coble Dene	2	2 x High Masts	Riverside	1736	3472	4141	£1,365.87	2182	£719.71	£646.16

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Earl Grey Way	17	1 – 17E276	Riverside	172	2924	4141	£1,150.29	2182	£606.12	£544.17
Earl Grey Way	2	20- - 21R423	Riverside	90	180	4141	£70.81	2182	£37.31	£33.50
Chirton Dene Way	11	26 - 36C694	Riverside	172	1892	4141	£744.30	2182	£392.19	£352.11
Ballast Hill Road	19	1 – 19B606	Riverside	172	3268	4141	£1,285.61	2182	£677.42	£608.19
Clifford's Fort Moat car park	9	6 - 14C737	Tynemouth	172	1548	4141	£608.98	2182	£320.88	£288.09
Tynemouth Priory (Haven side)	10	2 - 11P323	Tynemouth	99	990	4141	£389.46	2182	£205.22	£184.24
Tynemouth Priory (Haven side)	9	1 - 9S621	Tynemouth	114	1026	4141	£403.62	2182	£212.68	£190.94
Benton Way	14	16 - 29B720	Wallsend	279	3906	4141	£1,536.60	2182	£809.67	£726.93
Gainers Terrace	9	1 – 9G250	Wallsend	172	1548	4141	£608.98	2182	£320.88	£288.09
Rheydt Avenue to Wallsend Sports Centre	17	1 – 17R340	Wallsend / Northumb	172	2924	4141	£1,150.29	2182	£606.12	£544.17
Total	231	Green – Category 1					45.40 tonnes of CO₂ saved			£7,972.55
Total	176	Brown – Category 2					45.01 tonnes of CO₂ saved			£7,903.88
Total	407									£15,876.43

Area - SIGNIFICANT ROADS	No of Lights	Col. Nos.	Ward	Wattage	Total Load	Burning Period (hrs p/a)	Energy Cost Dusk to Dawn	Burning Period (hrs p/a)	Energy Cost Part Night	Saving per Year
Assuming dusk to dawn burning hours (with an Electronic PEC 70/35) of 4,141 hours.										
Assume switching of PEC Dusk to 24.00 / 05.30 to Dawn (35 lux), of 2,182 hours (Energy cost of 9.5p kWh)										
A189 Lighting Trial	46	ALL	Camperdown / Longbenton	279	12834	4141	£5,048.83	2182	£2,660.36	£2,388.47
A189 Spine Road – Balliol Business Park Roundabout northwards (including junctions)	124	ALL	Camperdown / Longbenton	279	34596	4141	£13,609.89	2182	£7,171.40	£6,438.49
A189 Spine Road – Sub Total	170	ALL	Camperdown / Longbenton	279	47430	4141	£18,658.72	2182	£9,831.76	£8,826.96
Dudley Lane	31	81 – 111D382	Camperdown / Westside	172	5332	4141	£2,097.58	2182	£1,105.27	£992.31
Southgate	28	10 – 37S619	Camperdown	172	4816	4141	£1,894.59	2182	£998.31	£896.28
Station Road / Northumbrian Way	29	22 - 50S653	Camperdown	172	4988	4141	£1,962.25	2182	£1,033.96	£928.29
Station Road / Northumbrian Way	23	1 – 23N281	Camperdown	172	3956	4141	£1,556.27	2182	£820.04	£736.23
Killingworth Way	87	1 – 86K219	Camperdown / Killingworth	279	24273	4141	£9,548.88	2182	£5,031.55	£4,517.33
Cobalt and Silverlink Business Parks	250	as required	Collingwood	279	69750	4141	£27,439.30	2182	£14,458.48	£12,980.82
New York Road	33	as required	Collingwood	150	4950	4141	£1,947.31	2182	£1,026.09	£921.22
New York Road	7	as required	Collingwood	279	1953	4141	£768.30	2182	£404.84	£363.46
New York By-pass	36	5N217 - 40N217	Collingwood	172	6192	4141	£2,435.90	2182	£1,283.54	£1,152.36
New York By-pass	4	1N217 - 4N217	Collingwood	279	1116	4141	£439.03	2182	£231.34	£207.69
Rake Lane	20	all	Collingwood	279	5580	4141	£2,195.14	2182	£1,156.68	£1,038.47
Rake Lane	78	all	Collingwood	172	13416	4141	£5,277.79	2182	£2,781.00	£2,496.78

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Middle Engine Lane	67	35 - 101M502	Collingwood		0	4141	£0.00	2182	£0.00	£0.00
Holystone Way	42	1 – 42H636	Killingworth	279	11718	4141	£4,609.80	2182	£2,429.02	£2,180.78
Whitley Road from Great Lime Road to Darsley Park Sports Ground	14	22W599 - 85W599	Killingworth	175	2450	4141	£963.82	2182	£507.86	-£1,465.21
Whitley Road from Great Lime Road to Darsley Park Sports Ground	2	as required	Killingworth	172	344	4141	£135.33	2182	£71.31	-£3,161.20
Whitley Road from Great Lime Road to Darsley Park Sports Ground	42	as required	Killingworth	279	11718	4141	£4,609.80	2182	£2,429.02	£2,874.79
Salters Lane Industrial Estate south roundabout to West Moor roundabout.	57	29S508 - 86S508	Longbenton	279	15903	4141	£6,256.16	2182	£3,296.53	£2,959.63
Station Road	27	100 – 126S661	Northumberland	172	4644	4141	£1,826.93	2182	£962.65	£864.27
Beach Road (Coast Rd to Tynemouth Baths)	30	2 – 31B653	Preston	279	8370	4141	£3,292.72	2182	£1,735.02	£1,557.70
East Howdon By-pass	13	29 – 42E394	Riverside	223	2899	4141	£1,140.45	2182	£600.93	£539.52
East Howdon By-pass	28	1 – 28E394	Riverside	223	6244	4141	£2,456.36	2182	£1,294.32	£1,162.04
Howdon Road	52	23 – 74H618	Riverside	223	11596	4141	£4,561.81	2182	£2,403.73	£2,158.07
Earsdon Road – Shiremoor to Monkseaton Drive	17	59 - 75E281	St. Mary's	279	4743	4141	£1,865.87	2182	£983.18	£882.70
Earsdon Road – Shiremoor to Monkseaton Drive	21	179 – 200S716	St. Mary's	279	5859	4141	£2,304.90	2182	£1,214.51	£1,090.39
Earsdon Road – Shiremoor to Monkseaton Drive	8	1 – 5E281 , 7E281 , 8E281 , 12E281	St. Mary's	434	3472	4141	£1,365.87	2182	£719.71	£646.16
Earsdon Road – Shiremoor to Monkseaton Drive	34	9-11E281 , 13E281 - 42E281	St. Mary's	279	9486	4141	£3,731.74	2182	£1,966.35	£1,765.39
Monkseaton Drive – Earsdon Road to Holywell Avenue	39	2 - 40M538	St. Mary's	114	4446	4141	£1,749.03	2182	£921.61	£827.42
Blyth Road – last corner northwards	31	15 – 45B780	St. Mary's	172	5332	4141	£2,097.58	2182	£1,105.27	£992.31
Shiremoor By-pass	217	all	Valley	279	60543	4141	£23,817.31	2182	£12,549.96	£11,267.36

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Killingworth Lane	25	2 - 8K215, 11 – 28K215	Valley / Killingworth	172	4300	4141	£1,691.60	2182	£891.35	£800.25
Hadrian Road	92	4 – 95H455	Wallsend / Riverside	172	15824	4141	£6,225.08	2182	£3,280.16	£2,944.93
Sandy Lane	36	3 – 38S527	Weetslade	172	6192	4141	£2,435.90	2182	£1,283.54	£1,152.36
Sandy Lane	7	39 – 45S527	Weetslade	279	1953	4141	£768.30	2182	£404.84	£363.46
Dudley Lane	30	25 – 54D382	Weetslade	172	5160	4141	£2,029.92	2182	£1,069.62	£960.30
Total	1,727						395.34 tonnes of CO₂ saved			£69,421.63
Total	1,727									£69,421.63