



6061

APPENDIX A

APPENDIX to SUNLIGHT RECEPTION ANALYSIS
1 (one) HOURLY SUNLIGHT / SHADOW STATUS CALCULATIONS

WYATTVILLE PARK BTR

Loughlinstown
Co. Dublin

Green Urban Living N11 Ltd

Project file no
DKP-M17-6061 | 4P
2021-05-26

Document control

DKP project no: M17
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Circular	Issue >	1P	2P	3P	4#	4P
Clients	Green Urban Living N11 Ltd				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Architects	Wilson Architecture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Planning consultants	KPMG Future Analytics		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Engineers	BMCE		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Landscape architects	TBSstudio				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Issue	1P	2019-12-05	Draft issue
Issue	2P	2019-12-09	SHD meeting
Issue	3P	2020-05-15	Design update
Issue	4#	2021-01-27	Re-issued to represent revised site and block/apartment configuration
Issue	4P	2021-05-26	SHD meeting

Document issue status ID

#	Sketch/draft
P	Planning
C	Concept
D	Design
G	General information
T	Tender
W	Works/construction
Z	As-build/constructed

Issue	Prepared	Checked	Approved
1	208	201	201
2	208	201	201
3	208	201	201
4	208	201	201

Contents

	Page
Private amenity spaces sunlight-shadow calculations at March 21 st	3
Private amenity spaces sunlight-shadow calculations at June 21 st	5
Private amenity spaces sunlight-shadow calculations at December 21 st	7
Neighbouring amenity spaces sunlight-shadow calculations at March 21 st	9
Neighbouring amenity spaces sunlight-shadow calculations at June 21 st	13
Neighbouring amenity spaces sunlight-shadow calculations at December 21 st	17

Private amenity spaces sunlight-shadow calculations at December 21st

AG01 Private garden 27.6 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.40
Achieved total sun time (hrs) 1.98
Achieved daily sun time * area 3279

AG02 Private garden 27.6 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.40
Achieved total sun time (hrs) 1.98
Achieved daily sun time * area 3279

AG09 Private balcony 5 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.22
Achieved total sun time (hrs) 2.56
Achieved daily sun time * area 768

AG10 Private balcony 5 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.22
Achieved total sun time (hrs) 2.56
Achieved daily sun time * area 768

AG03 Private garden 27.6 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.40
Achieved total sun time (hrs) 1.98
Achieved daily sun time * area 3279

AG04 Private garden 27.6 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.40
Achieved total sun time (hrs) 1.98
Achieved daily sun time * area 3279

AG11 Private balcony 7.9 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 2.00
Achieved total sun time (hrs) 3.11
Achieved daily sun time * area 1474

AG12 Private balcony 7.9 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 2.00
Achieved total sun time (hrs) 3.11
Achieved daily sun time * area 1474

AG05 Private balcony 5 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.34
Achieved total sun time (hrs) 2.52
Achieved daily sun time * area 756

AG06 Private balcony 5 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.34
Achieved total sun time (hrs) 2.52
Achieved daily sun time * area 756

BG01 Private garden 41.5 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.40
Achieved total sun time (hrs) 1.8
Achieved daily sun time * area 4482

BG02 Private garden 31 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.40
Achieved total sun time (hrs) 1.8
Achieved daily sun time * area 3348

AG07 Private balcony 10.5 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.22
Achieved total sun time (hrs) 2.56
Achieved daily sun time * area 1613

AG08 Private balcony 10.5 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.22
Achieved total sun time (hrs) 2.56
Achieved daily sun time * area 1613

BG03 Private garden 31 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.40
Achieved total sun time (hrs) 1.8
Achieved daily sun time * area 3348

BG04 Private garden 41.5 m2 Dec 21st. Table with columns: Time, Shadow (%/%), Sunlight (%/%), Sun time (min), Sun area (m2), Sun time.area (min*m2). Rows for 24 hours.

Required sun hours @ 50% area 2
Achieved sun hours on @ 50% area 1.40
Achieved total sun time (hrs) 1.8
Achieved daily sun time * area 4482



Neighbouring amenity spaces sunlight-shadow calculations at March 21st

Table 4: 9A Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 7.00
Achieved total sun time (hrs) 6.19
Achieved daily sun time * area 66852

Table 5: 8 15 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 7.00
Achieved total sun time (hrs) 6.19
Achieved daily sun time * area 66852

Table 6: 8 15 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 7.00
Achieved total sun time (hrs) 6
Achieved daily sun time * area 64800

Table 7: 8 15 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 7.00
Achieved total sun time (hrs) 6
Achieved daily sun time * area 64800

Table 8: 5 10A Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 5.00
Achieved total sun time (hrs) 5.02
Achieved daily sun time * area 54216

Table 9: 5 10A Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 5.00
Achieved total sun time (hrs) 5.02
Achieved daily sun time * area 54216

Table 10: 9 17 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 5.00
Achieved total sun time (hrs) 5.16
Achieved daily sun time * area 55728

Table 11: 9 17 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 5.00
Achieved total sun time (hrs) 5.16
Achieved daily sun time * area 55728

Table 12: 6 11 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 7.00
Achieved total sun time (hrs) 6
Achieved daily sun time * area 64,800

Table 13: 6 11 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 7.00
Achieved total sun time (hrs) 6
Achieved daily sun time * area 64800

Table 14: 10 19 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 7.00
Achieved total sun time (hrs) 6
Achieved daily sun time * area 64800

Table 15: 10 19 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 7.00
Achieved total sun time (hrs) 6
Achieved daily sun time * area 64800

Table 16: 7 13 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 5.00
Achieved total sun time (hrs) 5.16
Achieved daily sun time * area 55,728

Table 17: 7 13 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 5.00
Achieved total sun time (hrs) 5.16
Achieved daily sun time * area 55728

Table 18: 11 21 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 5.00
Achieved total sun time (hrs) 5.16
Achieved daily sun time * area 55,728

Table 19: 11 21 Wyattville park back garden (180 m2). Includes columns for EXISTING STATUS and NEW STATUS with sub-columns for Time, Shadow, Sunlight, Sun time, Sun area, and time * area.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 5.00
Achieved total sun time (hrs) 5.16
Achieved daily sun time * area 55728



28 102 Wyattville park back garden **180** m²

EXISTING STATUS						NEW STATUS						
						March 21st						
Time	Shadow	Sunlight	Sun time	Sun area	time * area	Time	Shadow	Sunlight	Sun time	Sun area	time * area	change
24 Hr	% / %	min	min	m ²	min*m ²	24 Hr	% / %	min	min	m ²	min*m ²	min*m ²
6.00	100%	0%	60	0	0	6.00	100%	0%	60	0	0	0
7.00	100%	0%	60	0	0	7.00	100%	0%	60	0	0	0
8.00	100%	0%	60	0	0	8.00	100%	0%	60	0	0	0
9.00	69%	31%	60	56	3,348	9.00	69%	31%	60	56	3,348	0
10.00	27%	73%	60	131	7,884	10.00	27%	73%	60	131	7,884	0
11.00	19%	81%	60	146	8,748	11.00	19%	81%	60	146	8,748	0
12.00	19%	81%	60	146	8,748	12.00	19%	81%	60	146	8,748	0
13.00	21%	79%	60	142	8,532	13.00	21%	79%	60	142	8,532	0
14.00	39%	61%	60	110	6,588	14.00	39%	61%	60	110	6,588	0
15.00	43%	57%	60	103	6,156	15.00	43%	57%	60	103	6,156	0
16.00	79%	21%	60	38	2,268	16.00	79%	21%	60	38	2,268	0
17.00	100%	0%	60	0	0	17.00	100%	0%	60	0	0	0
18.00	100%	0%	60	0	0	18.00	100%	0%	60	0	0	0
19.00	100%	0%	60	0	0	19.00	100%	0%	60	0	0	0

Required sun hours @ 50% area (hr)	2	Required sun hours @ 50% area (hr)	2
Achieved sun hours on (hrs) @ 50% area	6.00	Achieved sun hours on (hrs) @ 50% area	6.00
Achieved total sun time (hrs)	4.84	Achieved total sun time (hrs)	4.84
Achieved daily sun time * area	52272	Achieved daily sun time * area	52272

29 St Laurence playing pitch **5,000** m²

EXISTING STATUS						NEW STATUS						
						March 21st						
Time	Shadow	Sunlight	Sun time	Sun area	time * area	Time	Shadow	Sunlight	Sun time	Sun area	time * area	change
24 Hr	% / %	min	min	m ²	min*m ²	24 Hr	% / %	min	min	m ²	min*m ²	min*m ²
6.00	100%	0%	60	0	0	6.00	100%	0%	60	0	0	0
7.00	100%	0%	60	0	0	7.00	100%	0%	60	0	0	0
8.00	2%	98%	60	4900	294,000	8.00	84%	16%	60	800	48,000	-246,000
9.00	0%	100%	60	5000	300,000	9.00	48%	52%	60	2600	156,000	-144,000
10.00	0%	100%	60	5000	300,000	10.00	36%	64%	60	3200	192,000	-108,000
11.00	0%	100%	60	5000	300,000	11.00	25%	75%	60	3750	225,000	-75,000
12.00	0%	100%	60	5000	300,000	12.00	9%	91%	60	4950	273,000	-27,000
13.00	0%	100%	60	5000	300,000	13.00	0%	100%	60	5000	300,000	0
14.00	0%	100%	60	5000	300,000	14.00	0%	100%	60	5000	300,000	0
15.00	0%	100%	60	5000	300,000	15.00	0%	100%	60	5000	300,000	0
16.00	3%	97%	60	4850	291,000	16.00	3%	97%	60	4850	291,000	0
17.00	5%	95%	60	4750	285,000	17.00	5%	95%	60	4750	285,000	0
18.00	100%	0%	60	0	0	18.00	100%	0%	60	0	0	0
19.00	100%	0%	60	0	0	19.00	100%	0%	60	0	0	0

Required sun hours @ 50% area (hr)	2	Required sun hours @ 50% area (hr)	2
Achieved sun hours on (hrs) @ 50% area	10.00	Achieved sun hours on (hrs) @ 50% area	9.00
Achieved total sun time (hrs)	9.9	Achieved total sun time (hrs)	7.9
Achieved daily sun time * area	2970000	Achieved daily sun time * area	2370000



12 23 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Includes 24-hour data for existing status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.51
Achieved daily sun time * area 113,508

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Includes 24-hour data for new status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 9.7
Achieved daily sun time * area 104760

16 31 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Includes 24-hour data for existing status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.65
Achieved daily sun time * area 115,020

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Includes 24-hour data for new status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 9.76
Achieved daily sun time * area 105408

13 25 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Includes 24-hour data for existing status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.56
Achieved daily sun time * area 114048

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Includes 24-hour data for new status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 10.13
Achieved daily sun time * area 109404

17 33 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Includes 24-hour data for existing status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 13.00
Achieved total sun time (hrs) 10.87
Achieved daily sun time * area 117396

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Includes 24-hour data for new status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.08
Achieved daily sun time * area 108864

14 27 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Includes 24-hour data for existing status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.56
Achieved daily sun time * area 114048

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Includes 24-hour data for new status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 10.34
Achieved daily sun time * area 111672

18 35 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Includes 24-hour data for existing status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 13.00
Achieved total sun time (hrs) 10.87
Achieved daily sun time * area 117396

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Includes 24-hour data for new status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.32
Achieved daily sun time * area 111456

15 29 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Includes 24-hour data for existing status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.56
Achieved daily sun time * area 114,048

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Includes 24-hour data for new status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 9.98
Achieved daily sun time * area 107784

19 37 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Includes 24-hour data for existing status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.16
Achieved daily sun time * area 109728

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Includes 24-hour data for new status.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 9.67
Achieved daily sun time * area 104436



20 39 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 10.02
Achieved daily sun time * area 108,216

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 9.00
Achieved total sun time (hrs) 8.98
Achieved daily sun time * area 96984 0.90

24 47 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.89
Achieved daily sun time * area 117612

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.82
Achieved daily sun time * area 116856 0.99

21 41 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 9.91
Achieved daily sun time * area 107,028

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 9.00
Achieved total sun time (hrs) 8.65
Achieved daily sun time * area 93420 0.87

25 47A Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 13.00
Achieved total sun time (hrs) 11.83
Achieved daily sun time * area 127764

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 13.00
Achieved total sun time (hrs) 11.83
Achieved daily sun time * area 127764 1.00

22 43 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 10.3
Achieved daily sun time * area 111240

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 9.00
Achieved total sun time (hrs) 8.99
Achieved daily sun time * area 97092 0.87

26 49 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 10.44
Achieved daily sun time * area 112752

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 10.44
Achieved daily sun time * area 112752 1.00

23 45 Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 11.00
Achieved total sun time (hrs) 10.3
Achieved daily sun time * area 111240

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 10.00
Achieved total sun time (hrs) 9.77
Achieved daily sun time * area 105516 0.95

27 103A Wyattville park back garden 180 m2

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.54
Achieved daily sun time * area 113832

NEW STATUS June 21st change

Table with columns: Time, Shadow, Sunlight, Sun time, Sun area, time * area, change. Rows show hourly data from 6:00 to 19:00.

Required sun hours @ 50% area (hr) 2
Achieved sun hours on (hrs) @ 50% area 12.00
Achieved total sun time (hrs) 10.54
Achieved daily sun time * area 113832 1.00



28 Wyattville park back garder **180** m²

EXISTING STATUS						NEW STATUS						
						June 21st						
Time	Shadow	Sunlight	Sun time	Sun area	time * area	Time	Shadow	Sunlight	Sun time	Sun area	time * area	change
24 Hr	% / %		min	m ²	min*m ²	24 Hr	% / %		min	m ²	min*m ²	min*m ²
6.00	80%	20%	60	36	2,160	6.00	80%	20%	60	36	2,160	0
7.00	43%	57%	60	103	6,156	7.00	43%	57%	60	103	6,156	0
8.00	24%	76%	60	137	8,208	8.00	24%	76%	60	137	8,208	0
9.00	17%	83%	60	149	8,964	9.00	17%	83%	60	149	8,964	0
10.00	10%	90%	60	162	9,720	10.00	10%	90%	60	162	9,720	0
11.00	6%	94%	60	169	10,152	11.00	6%	94%	60	169	10,152	0
12.00	4%	96%	60	173	10,368	12.00	4%	96%	60	173	10,368	0
13.00	8%	92%	60	166	9,936	13.00	8%	92%	60	166	9,936	0
14.00	10%	90%	60	162	9,720	14.00	10%	90%	60	162	9,720	0
15.00	14%	86%	60	155	9,288	15.00	14%	86%	60	155	9,288	0
16.00	17%	83%	60	149	8,964	16.00	17%	83%	60	149	8,964	0
17.00	23%	77%	60	139	8,316	17.00	23%	77%	60	139	8,316	0
18.00	42%	58%	60	104	6,264	18.00	42%	58%	60	104	6,264	0
19.00	85%	15%	60	27	1,620	19.00	85%	15%	60	27	1,620	0

Required sun hours @ 50% area (hr)	2	Required sun hours @ 50% area (hr)	2	
Achieved sun hours on (hrs) @ 50% area	12.00	Achieved sun hours on (hrs) @ 50% area	12.00	
Achieved total sun time (hrs)	10.17	Achieved total sun time (hrs)	10.17	1.00
Achieved daily sun time * area	109836	Achieved daily sun time * area	109836	1.00

29 St Laurence playing pitch **5,000** m²

EXISTING STATUS						NEW STATUS						
						June 21st						
Time	Shadow	Sunlight	Sun time	Sun area	time * area	Time	Shadow	Sunlight	Sun time	Sun area	time * area	change
24 Hr	% / %		min	m ²	min*m ²	24 Hr	% / %		min	m ²	min*m ²	min*m ²
6.00	10%	90%	60	4500	270,000	6.00	29%	71%	60	3550	213,000	-57,000
7.00	0%	100%	60	5000	300,000	7.00	21%	79%	60	3950	237,000	-63,000
8.00	0%	100%	60	5000	300,000	8.00	13%	87%	60	4350	261,000	-39,000
9.00	0%	100%	60	5000	300,000	9.00	10%	90%	60	4500	270,000	-30,000
10.00	0%	100%	60	5000	300,000	10.00	7%	93%	60	4650	279,000	-21,000
11.00	0%	100%	60	5000	300,000	11.00	0%	100%	60	5000	300,000	0
12.00	0%	100%	60	5000	300,000	12.00	0%	100%	60	5000	300,000	0
13.00	0%	100%	60	5000	300,000	13.00	0%	100%	60	5000	300,000	0
14.00	0%	100%	60	5000	300,000	14.00	0%	100%	60	5000	300,000	0
15.00	0%	100%	60	5000	300,000	15.00	0%	100%	60	5000	300,000	0
16.00	0%	100%	60	5000	300,000	16.00	0%	100%	60	5000	300,000	0
17.00	0%	100%	60	5000	300,000	17.00	0%	100%	60	5000	300,000	0
18.00	0%	100%	60	5000	300,000	18.00	0%	100%	60	5000	300,000	0
19.00	70%	30%	60	1500	90,000	19.00	70%	30%	60	1500	90,000	0

Required sun hours @ 50% area (hr)	2	Required sun hours @ 50% area (hr)	2	
Achieved sun hours on (hrs) @ 50% area	13.00	Achieved sun hours on (hrs) @ 50% area	13.00	
Achieved total sun time (hrs)	13.2	Achieved total sun time (hrs)	12.5	0.95
Achieved daily sun time * area	3960000	Achieved daily sun time * area	3750000	0.95



28 102 Wyattville park back garden **180** m2

EXISTING STATUS							NEW STATUS							change	
Dec 21st							Dec 21st								
Time	Shadow	Sunlight	Sun time	Sun area	time * area		Time	Shadow	Sunlight	Sun time	Sun area	time * area	time * area		
24 Hr	% / %	% / %	min	m2	min*m2		24 Hr	% / %	% / %	min	m2	min*m2	min*m2		
6.00	100%	0%	60	0	0		6.00	100%	0%	60	0	0	0		
7.00	100%	0%	60	0	0		7.00	100%	0%	60	0	0	0		
8.00	100%	0%	60	0	0		8.00	100%	0%	60	0	0	0		
9.00	90%	10%	60	18	1,080		9.00	90%	10%	60	18	1,080	0		
10.00	80%	20%	60	36	2,160		10.00	80%	20%	60	36	2,160	0		
11.00	79%	21%	60	38	2,268		11.00	79%	21%	60	38	2,268	0		
12.00	82%	18%	60	32	1,944		12.00	82%	18%	60	32	1,944	0		
13.00	85%	15%	60	27	1,620		13.00	85%	15%	60	27	1,620	0		
14.00	85%	15%	60	27	1,620		14.00	85%	15%	60	27	1,620	0		
15.00	85%	15%	60	27	1,620		15.00	85%	15%	60	27	1,620	0		
16.00	90%	10%	60	18	1,080		16.00	94%	6%	60	11	648	-432		
17.00	100%	0%	60	0	0		17.00	100%	0%	60	0	0	0		
18.00	100%	0%	60	0	0		18.00	100%	0%	60	0	0	0		
19.00	100%	0%	60	0	0		19.00	100%	0%	60	0	0	0		
Required sun hours @ 50% area (hr)							2							2	
Achieved sun hours on (hrs) @ 50% area							0.42							0.42	
Achieved total sun time (hrs)							1.24							1.2	0.97
Achieved daily sun time * area							13392							12960	0.97

29 St Laurence playing pitch **5,000** m2

EXISTING STATUS							NEW STATUS							change	
Dec 21st							Dec 21st								
Time	Shadow	Sunlight	Sun time	Sun area	time * area		Time	Shadow	Sunlight	Sun time	Sun area	time * area	time * area		
24 Hr	% / %	% / %	min	m2	min*m2		24 Hr	% / %	% / %	min	m2	min*m2	min*m2		
6.00	100%	0%	60	0	0		6.00	100%	0%	60	0	0	0		
7.00	100%	0%	60	0	0		7.00	100%	0%	60	0	0	0		
8.00	100%	0%	60	0	0		8.00	100%	0%	60	0	0	0		
9.00	75%	25%	60	1250	75,000		9.00	94%	6%	60	300	18,000	-57,000		
10.00	26%	74%	60	3700	222,000		10.00	70%	30%	60	1500	90,000	-132,000		
11.00	16%	84%	60	4200	252,000		11.00	54%	46%	60	2300	138,000	-114,000		
12.00	9%	95%	60	4750	285,000		12.00	47%	53%	60	2650	159,000	-126,000		
13.00	5%	95%	60	4750	285,000		13.00	32%	68%	60	3400	204,000	-81,000		
14.00	5%	95%	60	4750	285,000		14.00	14%	86%	60	4300	258,000	-27,000		
15.00	25%	75%	60	3750	225,000		15.00	25%	75%	60	3750	225,000	0		
16.00	69%	31%	60	1550	93,000		16.00	69%	31%	60	1550	93,000	0		
17.00	100%	0%	60	0	0		17.00	100%	0%	60	0	0	0		
18.00	100%	0%	60	0	0		18.00	100%	0%	60	0	0	0		
19.00	100%	0%	60	0	0		19.00	100%	0%	60	0	0	0		
Required sun hours @ 50% area (hr)							2							2	
Achieved sun hours on (hrs) @ 50% area							6.00							4.00	
Achieved total sun time (hrs)							5.74							3.95	0.69
Achieved daily sun time * area							1722000							1185000	0.69

