



OUTDOOR SPORTS LIGHTING POLICY

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Strategic Objective
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Responsible Officer
Department

POL/275
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2.1 – Foster a community which is active and healthy
25 June 2018
April 2023
Manager City Design
City Design

OUTDOOR SPORTS LIGHTING POLICY

1 POLICY STATEMENT

The provision of compliant sports lighting systems contributes to the continued health, wellbeing and safety of the Hume community by increasing participation in physical activity. The implementation of the proposed upgrade program will ensure that Hume's sport lighting infrastructure meets this objective and remain in good condition and compliance with the required Australian Standards.

2 PURPOSE

This policy outlined criteria and priorities for system upgrades and new installations of sports lighting on Hume sports grounds and facilities.

3 SCOPE

3.1 Categories of Hume Sporting Grounds and Facilities

Hume sporting grounds and facilities are categorised as either Regional, District or Sub-District depending upon the nature of use (competition vs training) and the level of competition being played. Attachment 1 details the category level of each outdoor sporting ground and facility in Hume.

3.1.1 Regional – Sporting grounds and facilities accommodating state level competition. These are the highest standard of facility in Hume. Examples include Highgate Recreation Reserve AFL Oval 1 and John Ilhan Memorial Reserve Soccer Pitch No.1.

3.1.2 District – Sporting grounds and facilities accommodating both senior and junior district level competition. The greater proportion of Hume grounds and facilities are classified as district. Examples include Sunbury Recreation Reserve Oval 1 and Laura Douglas Reserve Soccer Pitch 1.

3.1.3 Sub-District – Sporting grounds and facilities accommodating junior competition and/or senior and junior training only. These facilities will generally only have a single sporting ground and can be utilised by sports clubs for overflow lower grade senior competition. Examples include Bradford Avenue Reserve Oval and Vic Foster Reserve Oval.

3.2 Levels of Hume Sports Lighting Provision

3.2.1 The minimum level of lighting provision required at Hume sporting grounds and facilities are:

	Regional	District	Sub District
Australian Rules Football (AFL)	200 lux Semi- Professional Competition	100 lux Amateur Competition	50 lux Amateur Training
Soccer	200 lux Semi- Professional Competition	100 lux Amateur Competition	50 lux Amateur Training

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	Regional	District	Sub District
Rugby	200 lux Semi- Professional Competition	100 lux Amateur Competition	50 lux Amateur Training
Tennis	350 lux Club Competition & Commercial	350 lux Club Competition & Commercial	350 lux Club Competition & Commercial
Bowls	100 lux Competition, Recreation and Training	100 lux Competition, Recreation and Training	100 lux Competition, Recreation and Training
Outdoor Netball	200 lux Competition with large spectator galleries.	100 lux Training or Competition with few spectators	100 lux Training or Competition with few spectators
Softball	Infield - 650 lux horizontal & 450 lux vertical Outfield 450 Lux horizontal & 200 lux vertical State, National or International Competition	Infield – 250 lux horizontal & 200 lux vertical Outfield 150 lux horizontal & 75 lux vertical Local Club Competition and Training	Infield - 250 lux horizontal & 200 lux vertical Outfield 150 lux horizontal & 75 lux vertical Local Club Competition and Training
Athletics	200 lux Club Competitions	200 lux Club Competitions	75 lux Recreation & Training
Hockey	500 lux Major Grade, National and International Competition	250 lux Ball training, Junior and Minor Grade Competition	30 lux Physical Training Only

3.2.2 All systems must comply with the minimum lighting uniformity requirements of AS 2560 and minimisation of obtrusive lighting requirements of AS 4282-1997.

3.2.3 It is noted that the Northern Suburbs Night Tennis Association (NSNTA) requires tennis courts utilised for night tennis competition to have a maintained 200 lux system rather than the 350 lux identified by AS 2560.

3.3 Quantity of Hume Sports Lighting Provision

3.3.1 Council will seek to provide Hume sporting clubs with the following quantities of competition level sports ground and facility lighting at their home reserves:

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Australian Rules Football Reserves	1 Oval
Soccer Reserves	2 Pitches (1 pitch at single pitch facilities)
Rugby Reserves	2 Pitches (1 pitch at single pitch facilities)
Tennis Clubs	All Courts
Bowls Clubs	1 Green
Hockey and Lacrosse Centres	1 Pitch
Softball Centres	1 Diamond
Outdoor Netball Courts	1 Court
Athletic Tracks	Synthetic Tracks

3.3.2 Consideration will be given to the lighting of additional sporting grounds and facilities for Hume clubs with significant playing membership levels and sustained growth and/or to sporting grounds and facilities that are in poor condition due to overuse.

4 OBJECTIVE

The provision of compliant sports lighting systems contributes to the continued health, wellbeing and safety of the Hume community by increasing participation in physical activity. The implementation of the proposed upgrade program will ensure that Hume's sport lighting infrastructure meets this objective and remain in good condition and compliance with the required Australian Standards.

5 POLICY IMPLEMENTATION

The Outdoor Sports Lighting Plan has identified a six-year program of works that will implement the Policy. The indicative budget per financial year is based on completing the high, medium and low priorities each over a two-year period.

6 DEFINITIONS AND ABBREVIATIONS

Nil

7 RELATED DOCUMENTS

7.1 Australian Standards

7.1.1 There are two Australian Standards regulating the compliance requirements for outdoor sports lighting systems. They are AS 2560 Series and AS 4282-1997 Control of the Obtrusive Effects of Outdoor Lighting.

7.1.2 AS 2560 identifies the minimum requirements for both lux and uniformity of light at sporting grounds. Lux is a measure of the illuminance of the sports lighting while uniformity is a measure of the evenness of the light across the playing area.

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- 7.1.3 Australian Standards 4282-1997 details the control of obtrusive lighting from outdoor sports lighting systems on residential and commercial properties and onto roadways.
- 7.2 Category Level of Outdoor Sports Grounds and Facilities (attachment 1)
- 7.3 Outdoor Sports Lighting Upgrades Plan 2018 (attachment 2)

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Attachment 1 - Category Level of Outdoor Sporting Grounds and Facilities

Sports Grounds and Facilities	Category
Aston Recreation Reserve Oval (Soccer/Cricket)	District
Aston Recreation Reserve Pitch (Soccer)	District
Arena Recreation Reserve Oval (Soccer/Cricket)	District
Anderson Reserve Pitch 1 (Soccer)	District
Anderson Reserve Pitch 2 (Soccer)	District
Barrymore Road Recreation Reserve Oval (Soccer/Cricket)	District
Boardman Reserve Oval 1 (Little Athletics/Dog Obedience)	District
Boardman Reserve Oval 2 (Football/Cricket)	District
Boardman Reserve Oval 3 (Football/Cricket)	District
Boardman Reserve Netball Court	District
Bradford Avenue Reserve Oval (Football/Cricket)	Sub-District
Broadmeadows Sporting Club (All Greens)	District
Bulla Tennis Courts (All Courts)	District
Bulla Reserve Oval (Football/Cricket)	Sub-District
Craigieburn Bowling Club (All Greens)	District
Craigieburn Tennis Club (All Courts)	District
Dallas Public Tennis Courts	Sub-District
DS Aitken Reserve Oval(Football/Cricket)	District
Drummond Street Reserve Oval (Football/Cricket)	Sub-District
Gibb Reserve Oval (Soccer/Cricket)	District
Gibb Reserve Pitch (Soccer)	District
Ginifer Reserve Oval (Football/Cricket)	Sub-District
Gladstone Park Recreation Reserve Pitch 1	District
Gladstone Park Recreation Reserve Pitch 2	District
Greenvale Recreation Reserve Oval 1 (Football)	District
Greenvale Recreation Reserve Oval 1 (Cricket)	Regional
Greenvale Recreation Reserve Oval 2 (Football/Cricket)	District
Greenvale Recreation Reserve Oval 3 (Football/Cricket)	District
Greenvale Tennis Club (All Courts)	District
Highgate Recreation Reserve Oval 1 (Football)	Regional
Highgate Recreation Reserve Oval 2 (Football/Cricket)	District
Hume Hockey and Lacrosse Centre	District
Hume Tennis and Community Centre (All Courts)	Regional
Hothlyn Drive Reserve Oval (Rugby/Cricket)	District

Sports Grounds and Facilities	Category
Jacana Reserve Oval 1 (Football/Cricket)	District
Jacana Reserve Oval 2 (Football/Cricket)	District
Jack Roper Reserve Pitch (Soccer)	Sub-District
John Ilhan Memorial Reserve Pitch 1 (Soccer)	Regional
John Ilhan Memorial Reserve Pitch 2 (Soccer)	District
John Ilhan Memorial Reserve Pitch 3 (Soccer)	District
John Ilhan Memorial Reserve Pitch 4 (Soccer/Athletics)	District
John Laffan Reserve (Football/Cricket)	District
John McMahon Recreation Reserve Oval 1	District
John McMahon Recreation Reserve Diamond 1 (Softball)	District
John McMahon Recreation Reserve Diamond 1 (Softball)	District
Gladstone Park Bowling Club Green	District
Gladstone Park Tennis Club (All Courts)	District
Langama Park Reserve Pitch 1 (Soccer)	District
Langama Park Reserve Pitch 2 (Soccer/Cricket)	District
Langama Park Reserve Pitch 3 (Soccer/Cricket)	District
Langama Park Reserve Pitch 4 (Rugby/Cricket)	District
Langama Park Reserve Pitch 5 (Rugby/Cricket)	District
Laura Douglas Reserve Pitch 1 (Soccer)	District
Laura Douglas Reserve Pitch 2 (Soccer)	District
Laura Douglas Reserve Pitch 3 (Soccer)	District
Leo Dineen Recreation Reserve (Football/Cricket)	District
Mickleham Tennis Club (All Courts)	District
Patullos Lane Reserve (Football/Cricket)	Sub-District
Progress Reserve Oval 1 (Soccer/Cricket)	District
Progress Reserve Oval 2 (Soccer/Cricket)	District
Roxburgh Park Reserve Oval 1 (Football/Cricket)	District
Roxburgh Park Reserve Oval 2 (Football/Cricket)	District
Seabrook Reserve Oval (Rugby/Cricket)	District
Seth Raistrick Reserve Oval (Football/Cricket)	District
Sprint Athletics Centre	District
Sunbury Aquatic and Leisure Centre Public Tennis Courts	Sub-District
Sunbury Aquatic and Leisure Centre Outdoor Pool	District
Sunbury Lawn Tennis Club (All Courts)	District
Sunbury Bowling Club (All greens)	District

Sports Grounds and Facilities	Category
Sunbury Recreation Reserve Oval (Football/Cricket)	District
Tullamarine Reserve Oval (Soccer/Cricket)	District
Sunbury Recreation Reserve Outdoor Netball Court	District
Tullamarine Tennis Club (All Courts)	District
Tulsa Reserve Oval (Football/Cricket)	Sub-District
Vic Foster Reserve Oval (Football/Cricket)	Sub-District
Westmeadows Reserve (Football/Cricket)	Sub-District
Westmeadows Tennis Club (All Courts)	District
Willowbrook Reserve (Football/Cricket)	District

Attachment 2 - Outdoor Sports Lighting Upgrades Plan 2018

Sports Ground	Suburb	Scope of Works
2018/19		
Seth Raistrick Reserve Oval 1	Campbellfield	Supply upgrade to site, main switchboard, poles, cables, conduits, pits, fixtures (Metal Halide) Final Commissioning
Laura Douglas Reserve Soccer Pitch 1	Dallas	De-Commissioning of existing infrastructure, New Switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Gladstone Park Reserve Pitch 1	Gladstone Park	Supply upgrade to site, Main switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Gladstone Park Reserve Pitch 2	Gladstone Park	Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Gladstone Park Tennis Club Court 4-6	Gladstone Park	Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Westmeadows Reserve – Ardlie Street	Westmeadows	Installation of two poles and 50 lux training lights including new switchboard, poles, cables, conduits, pits, fixtures (metal halide), final commissioning
2019/20		
Gibb Reserve Soccer Pitch	Dallas	Supply upgrade to site, Main switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Dallas Public Tennis Courts	Dallas	Decommissioning and Removal of poles
Langama Park Reserve Pitch 1 (Soccer)	Sunbury	De-Commissioning of existing infrastructure, New Switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
John McMahon Reserve Oval 1	Sunbury	In Pole Cables, Circuit Protection, Fixtures (Metal Halide), Re-Lamp Existing Fixtures, Final Commissioning
Sunbury Recreation Reserve Outdoor Netball Court	Sunbury	Structural Investigation, Poles, Cables, Conduits, Pits, Fixtures (LED), Final Commissioning
Greenvale Recreation Reserve Oval 2 (AFL/Cricket)	Greenvale	Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
2020/21		
Seabrook Reserve Oval 1	Broadmeadows	Supply upgrade to site, Main switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Hothlyn Drive Reserve Oval (Rugby/Cricket)	Craigieburn	Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Gibb Reserve Oval	Dallas	Supply upgrade to site, Main switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Laura Douglas Reserve Soccer Pitch 2	Dallas	Supply upgrade to site, Main switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning

Sports Ground	Suburb	Scope of Works
2021/22		
John McMahon Reserve Diamond 2 (Softball)	Sunbury	Switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Boardman Reserve Oval 2	Sunbury	De-commissioning of existing, New Poles, Cables, Conduits, Pits, Fixtures, Final Commissioning
Langama Park Reserve Pitch 2 and 3	Sunbury	De-Commissioning of existing infrastructure, Supply upgrade to site, Main switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Langama Park Reserve Pitch 4 and 5	Sunbury	De-Commissioning of existing infrastructure, New Switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Sunbury Aquatic And Leisure Centre Tennis Court 1-3	Sunbury	Poles, Cables, Conduits, Pits, Fixtures (LED), Final Commissioning
2022/23		
Anderson Reserve Oval 1 - Pitch 1 abd 2	Broadmeadows	Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Design, Management, Final Commissioning
Jack Roper Reserve Pitch (Soccer)	Broadmeadows	Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Bradford Avenue Oval	Greenvale	Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Tullamarine Reserve Oval 1	Tullamarine	De-Commissioning of existing infrastructure, Supply upgrade to site, Main switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
Vic Foster Reserve Oval 1	Craigieburn	Supply upgrade to site, Main switchboard, Poles, Cables, Conduits, Pits, Fixtures (Metal Halide), Final Commissioning
2023/24		
Bulla Tennis Club Court 1 and 2	Bulla	Structural Investigation, Fixtures (LED), Final Commissioning
Bulla Tennis Club Court 3 and 4	Bulla	Structural Investigation, Fixtures (LED), Final Commissioning
Craigieburn Tennis Club Court 1 and 2	Craigieburn	Poles, Cables, Conduits, Pits, Fixtures (LED), Final Commissioning
Craigieburn Tennis Club Court 3 and 4	Craigieburn	Poles, Cables, Conduits, Pits, Fixtures (LED), Final Commissioning
Craigieburn Tennis Club Court 5 and 6	Craigieburn	Poles, Cables, Conduits, Pits, Fixtures (LED), Final Commissioning
Greenvale Tennis Club Court 1	Greenvale	Poles, Fixtures (LED), Final Commissioning
Greenvale Tennis Club Court 2	Greenvale	Poles, Fixtures (LED), Final Commissioning
Greenvale Tennis Club Court 3 and 4	Greenvale	Structural Investigation, Fixtures (LED), Final Commissioning
Greenvale Tennis Club Court 5	Greenvale	Poles, Fixtures (LED), Final Commissioning
Greenvale Tennis Club Court 6	Greenvale	Structural Investigation, Fixtures (LED), Final Commissioning

Sports Ground	Suburb	Scope of Works
Greenvale Tennis Club Court 7	Greenvale	Structural Investigation, Fixtures (LED), Final Commissioning
Greenvale Tennis Club Court 8	Greenvale	Structural Investigation, Fixtures (LED), Final Commissioning
Greenvale Tennis Club Court 9	Greenvale	Structural Investigation, Fixtures (LED), Final Commissioning
Gladstone Park Tennis Club Court 1-3	Gladstone Park	Structural Investigation Fixtures (LED), Final Commissioning
Mickleham Tennis Club Court 1 and 2	Mickleham	Structural Investigation, Fixtures (LED), Final Commissioning
Sunbury Lawn Tennis Club Court 1-4	Sunbury	Structural Investigation, Fixtures (LED), Final Commissioning
Sunbury Lawn Tennis Club Court 9-12	Sunbury	Structural Investigation, Fixtures (LED), Final Commissioning
Sunbury Lawn Tennis Club Court 13-16	Sunbury	Structural Investigation, Fixtures (LED), Final Commissioning
Tullamarine Tennis Club Court 1 and 2	Tullamarine	Structural Investigation, Fixtures (LED), Final Commissioning
Tullamarine Tennis Club Court 3 and 4	Tullamarine	Structural Investigation, Fixtures (LED), Final Commissioning
Tullamarine Tennis Club Court 5 and 6	Tullamarine	Structural Investigation, Fixtures (LED), Final Commissioning
Westmeadows Tennis Club Court 1 and 2	Westmeadows	Structural Investigation, Fixtures (LED), Final Commissioning
Westmeadows Tennis Club Court 3 and 4	Westmeadows	Structural Investigation, Fixtures (LED), Final Commissioning
Westmeadows Tennis Club Court 5 and 6	Westmeadows	Structural Investigation, Fixtures (LED), Final Commissioning