

Heritage Data Form

ITEM DETAILS							
Name of Item	Electricity Substations						
Other Name/s Former Name/s	Ausgrid Substations, Municipal Council of Sydney substations, Sydney County Council substations, EnergyAustralia substations						
Item type (if known)	Built						
Item group (if known)	Built Infrastructure						
Item category (if known)	Substation						
Area, Group, or Collection Name	Electricity Substations						
Street Address	<ul style="list-style-type: none"> Cheltenham Road/1A Princes Street, Burwood 2134 12 Iceton Street, Burwood 2134 32 Wallace Street, Croydon 2132 25A Angel Road, Strathfield 2135 2B Cooper Street, Strathfield 2135 4 Badminton Road, Croydon 2132 5 Burwood Road, Enfield 2136 						
Local Government Area/s	Municipality of Burwood						
Property description	<ul style="list-style-type: none"> DP449839 Lot 1 DP607950 Lot 13 DP319038 Lot 1 DP325573 Lot 1 DP324150 Lot 1 DP324990 Lot 1 DP574784 Lot 1 						
Location - Lat/long	Latitude				Longitude		
Location - AMG (if no street address)	Zone		Easting		Northing		
Owner	Ausgrid						
Current use	Electricity Infrastructure						
Former Use	N/A						
Statement of significance	<p>The electrical substations included in this assessment all demonstrate historical, aesthetic and representative heritage significance.</p> <p>They meet historical significance due to their ability to demonstrate the fast growing demand for electricity in the Sydney and wider regions during the first half of the 20th Century. They demonstrate how local distribution of electricity was organised at that time and the similarity in design of a new building typology across Burwood and the broader Sydney area.</p> <p>They meet aesthetic significance due to their unique design as a building typology – infrastructure nestled within residential dwellings. The substations in Burwood LGA (which form part of this report) are all generally intact. The majority (5) are designed in the Interwar Georgian Revival with Mediterranean influences. These present attractive one storey and double height small buildings, with fanlights, arches and Spanish profile terracotta roof tiles.</p> <p>Two substations, Cheltenham Road (Art Deco) and Iceton Street (Stripped Classical) also meet the Rarity criterion as being the only substations built in their respective styles in the</p>						

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	Burwood LGA. Finally, the seven substations all meet the threshold as Representative examples of the electricity substation typology of the first half of the 20 th Century, in design and location.	
Level of Significance	State <input type="checkbox"/>	Local <input checked="" type="checkbox"/>

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DESCRIPTION	
Designer	Municipal Council of Sydney
Builder/Maker	Municipal Council of Sydney
Physical Description	<ul style="list-style-type: none"> • Cheltenham Road/1A Princes Street, Burwood 2134 <p>The Cheltenham Road substation is a single storey building set back from the street behind a contemporary low brick wall and entrance gate. It is constructed in the Interwar Art Deco style, with elements including a stepped roofline and front fence, parapets, asymmetrical façade with a vertical emphasis, and a relief brick Art Deco motif on the façade and entrance gate. A Modernist style cantilevered awning covers the plant entrance.</p> <p>The Cheltenham Road substation is constructed in face brick, with a cantilevered concrete awning over the main plant door. The main plant and personnel doors are of steel construction.</p> <ul style="list-style-type: none"> • 12 Iceton Street, Burwood 2134 <p>The Iceton Street substation is a single storey building set back from the street behind a low brick wall. The tuck pointed face brick is contrasted with a cement rendered lintel, identification plaque and projecting cornice. There is a personnel door to the left and a blank window to the right of a central plant access door. Brickwork around the main door is bull-nosed. The style is Interwar Stripped Classical, features of which are a symmetrical façade and parapet roof. Decorative elements include corbelled brickwork below the architrave, and soldier courses above the door and window.</p> <p>The Iceton Street substation is constructed in load-bearing face brick. The main plant door is a steel roller-shutter.</p> <ul style="list-style-type: none"> • 32 Wallace Street, Croydon 2132 <p>The Wallace Street substation is a tuck-pointed brick building set back from the street behind a low brick wall. It is built in the Interwar Georgian Revival style with elements including a symmetrical façade, gabled parapet, arched facade gutter-openings and arched central window. Decorative elements include parapet dentils, a cement rendered cornice and pilasters at the main plant entrance. The plant entry doors are timber panelled. There are two fully louvered timber doors on either side of the main entrance.</p> <p>The Wallace Street substation is constructed in face brick, with cement rendered pilasters, cornice, and parapet coping. The window opening arch is a triple course of brickwork.</p> <p>The site retains its original timber door and fanlight, which are often lost on other substations in this style.</p> <ul style="list-style-type: none"> • 25A Angel Road, Strathfield 2135 <p>The Angel Road substation is a double height building set back from the street behind a low brick wall. It has a symmetrical façade designed in a mixture of the Interwar Georgian Revival and Mediterranean styles. The main feature of the façade is the central arched plant access doorway. Stylistic elements include a curved ceramic tile parapet with a corbelled brick cornice, and tuck-pointed brickwork. Decorative elements include two circular metal wall plaques and a metal name plate. There is a personnel door to the side of the arch.</p> <p>The Angel Road substation is constructed in face brick with bull-nosed brick edging to the arch and the jams of the personnel entrance. The parapet is capped with ceramic tiles.</p> <ul style="list-style-type: none"> • 2B Cooper Street, Strathfield 2135

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	<p>A single storey purpose built brick substation constructed circa 1929. The front façade has a large arched central doorway lined with bullnosed bricks. Double metal doors provide access and are designed to resemble panelled timber doors. An arched timber fanlight window is located above the doors. The structure is roofed with terracotta tiles.</p> <ul style="list-style-type: none"> • 4 Badminton Road, Croydon 2132 <p>The Badminton Road substation is a double height building set back from the street behind a low brick wall. It has a symmetrical façade designed in a mixture of the Interwar Georgian Revival and Mediterranean styles. The main feature of the façade is the central arched original entrance panelled door with top lights over. Stylistic elements include curved ceramic tile parapets with corbelled brick cornices, and tuck-pointed brickwork. Decorative elements include two circular metal wall plaques and a metal name plate. There is a personnel door to the left of the arch, and a blank window panel with straight-coursed bricks to the right.</p> <p>The Badminton Road substation is constructed in face brick with bullnosed brick edging to the arch. The parapets are capped with ceramic tile. It retains the original entrance doors and top lights over.</p> <ul style="list-style-type: none"> • 5 Burwood Road, Enfield 2136 <p>The Liverpool Road substation is a double height building with a symmetrical façade and designed in a mixture of the Interwar Georgian Revival, and Mediterranean styles. Two large arched plant access doorways are located on the street façade. Stylistic elements include a colored ceramic tiled parapet with a corbelled brick cornice, and tuck-pointed brickwork.</p> <p>The Liverpool Road substation is constructed in a dark face-brick. Elongated bull-nosed bricks form the two arched entrances. The parapet is capped with ceramic tiles.</p>					
Physical condition and Archaeological potential	<p>All the buildings appear to be in good condition and generally maintained.</p> <p>The archaeological potential of the site is unknown.</p>					
Construction years	Start year	1920	Finish year	1940	Circa	<input checked="" type="checkbox"/>
Modifications and dates	<p>The substations are generally intact. Some have window infills which are easily read and reversible.</p>					
Further comments						

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HISTORY

Historical notes

- Cheltenham Road/1A Princes Street, Burwood 2134

The Cheltenham Road substation is a purpose designed and built distribution substation. Land for the building was compulsorily acquired in 1920. The Art Deco style of the substation coupled with its early asset number suggests this is likely to be a rebuilt substation which replaced an earlier style of substation (probably Stripped Classical or Mission style). The equipment in the present substation was commissioned in 1946.

- 12 Iceton Street, Burwood 2134

The Iceton Street substation is a purpose designed and built structure dating from 1928. A cement render plaque above the plant door reads "ELECTRICITY DEPARTMENT SUBSTATION No 241". This item is typical of the substations built by the Municipal Council of Sydney in the 1920s and 1930s during the rapid expansion for the electricity network.

- 32 Wallace Street, Croydon 2132

The Wallace Street substation is a purpose designed and built structure constructed in 1927. An identity plaque reads, "ELECTRICITY DEPARTMENT SUBSTATION No. 250". The substation is typical of those built by the Municipal Council of Sydney in the 1920s during the rapid roll-out of electricity to Sydney's suburbs.

- 25A Angel Road, Strathfield 2135

The Angel Road substation is a purpose designed and built structure completed 1930. A metal name plaque reads, "M.C. of S. ELECTRICITY DEPT. SUBSTATION No. 294". The substation is typical of those built by the Municipal Council of Sydney in the 1920s during the rapid roll-out of electricity to Sydney's suburbs.

- 2B Cooper Street, Strathfield 2135

A purpose built electricity substation constructed by the Municipal Council of Sydney circa 1929. It is typical of substations constructed by the MCS throughout suburban Sydney during the roll-out of electricity to the suburbs in the 1920s and 1930s.

- 4 Badminton Road, Croydon 2132

The Badminton Road substation is a purpose designed and built structure completed 1930. A metal name plaque reads, "M.C. of S. ELECTRICITY DEPT. SUBSTATION No. 313". The substation is typical of those built by the Municipal Council of Sydney in the 1920s during the rapid roll-out of electricity to Sydney's suburbs.

- 5 Burwood Road, Enfield 2136

The Liverpool Road substation is a purpose designed and built structure dating from 1930. A metal name plaque reads, "M.C. of S. ELECTRICITY DEPT. SUBSTATION No. 319". It is typical of the substations built throughout Sydney during the 1920s and 1930s by the Municipal Council of Sydney.

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THEMES	
National historical theme	Building settlements, towns and cities.
State historical theme	Utilities.

APPLICATION OF CRITERIA	
Historical significance SHR criteria (a)	<p>The seven electricity substation buildings which have been included in this assessment are historically significant as examples of the critical electricity infrastructure built by the Municipal Council of Sydney/Sydney County Council during the rapid expansion of the suburban electricity network into the Burwood LGA in the 1920s and 1930s.</p> <p>The substations <u>therefore meet the threshold for Historical Significance.</u></p>
Historical association significance SHR criteria (b)	<p>This assessment has not uncovered any evidence to suggest that the substations are connected to or have strong links with groups or people of importance in relation to Burwood LGA.</p> <p>The substations would not meet the threshold for listing under this criterion.</p>
Aesthetic significance SHR criteria (c)	<p>All seven substations included in this assessment have a high degree of intactness in their structure and mostly their setting. Five of the seven substations are similarly designed in a mixture of the Interwar Georgian Revival and Mediterranean styles.</p> <p>The other substations (Cheltenham Road) is in the Art Deco design, while Icteton Street is in Stripped Classical design. The substations provide a different architectural style in their locations, mostly nestled within bungalow or other Federation dwellings</p> <p>The substations <u>meet the threshold for aesthetic significance.</u></p>
Social significance SHR criteria (d)	<p>The grouped substations are not associated with any particular community or social group within the Burwood LGA.</p> <p>Therefore, <u>the substations do not meet the threshold for Social significance.</u></p>
Technical/Research significance SHR criteria (e)	<p>The likelihood of the substation sites giving rise to any unexpected findings or additional research information not readily available elsewhere is low.</p> <p>The substations do not meet the threshold for Research Potential.</p>
Rarity SHR criteria (f)	<p>Of the seven substations, only two, Cheltenham Road (designed in Art Deco Style) and Icteton Street (designed in Stripped Classical), meet this criterion.</p>
Representativeness SHR criteria (g)	<p>All seven substations are representative examples of the electricity infrastructure constructed as part of the very fast expansion of delivering electricity to residents of Burwood in the 1920s and 1930s.</p> <p><u>Therefore, the substations are considered to have met the threshold for representative</u></p>

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	<u>significance.</u>
Integrity	All substations are relatively intact.

HERITAGE LISTINGS				
Heritage listing/s	Ausgrid S.170 Register – as Individual Items			
INFORMATION SOURCES				
Include conservation and/or management plans and other heritage studies.				
Type	Author/Client	Title	Year	Repository
Commissioned Report	FuturePast Consulting P/L	Review of Ausgrid s.170 Register	2008	Ausgrid
Online Resource	Ausgrid	<i>Existing Inventory Sheets for the substations</i>	1917	SHI

RECOMMENDATIONS	
Recommendations	The substations should be included as a grouped heritage item of local significance on Schedule 5 of the <i>Burwood Local Environmental Plan 2012</i> .

SOURCE OF THIS INFORMATION			
Name of study or report	Ausgrid S.170 Heritage Assessment for Local Heritage Listing	Year of study or report	2023
Item number in study or report	—		
Author of study or report	Burwood Council		
Inspected by	Burwood Council		
NSW Heritage Manual guidelines used?			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
This form completed by	Burwood Council	Date	12 January 2023

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IMAGES - 1 per page

Image caption	<i>Substation No.48 – Cheltenham Road. 1A Princes Street</i>				
Image year	2022	Image by	Streetview	Image copyright holder	Google



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IMAGES - 1 per page

Image caption	<i>Substation No. 241 – 12 Iceton Street</i>				
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Image caption	Substation No. 250 – 32 Wallace Street				
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Image caption	<i>Substation No.294 – 25A Angel Road</i>				
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Image caption	<i>Substation No. 308 – 2B Cooper Street</i>				
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Image caption	<i>Substation No.313 – 4 Badminton Road</i>				
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IMAGES - 1 per page

Image caption	<i>Substation No.319 – Liverpool Road.</i> 5 Burwood Road				
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