

Street Lighting Improvement Program

SmartNSW Masterclass
20 September 2023



SSROC



Street Lighting Improvement Program

- 29 councils encompassing 230,000+ street lights
- 90% of lights in Ausgrid region and 40% of NSW
- SLI Program focus is on securing:
 - **Better pricing**
 - **Better service levels**
 - **Better lighting technology**

SLI Program Wins

191,000
LEDs to
30 Jun 23

Largest LED
Deployment in
Australia



20 Sep 2023

62,000
Smart
Controls
by 2026

Largest Smart
Controls
Deployment in
Australia



69%
Energy
Savings

69% Energy
Savings by 2026
Compared to
2008 Peak



SSROC SLI Program

\$9.4m+
Per Yr

Recurrent
Savings &
Continuing to
Climb




\$112m+

Savings in
Pricing Reviews
Compared to
Original
Proposals

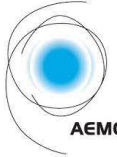


Layers of Government / Collaboration



Treasury


- Asset owner
- 49.6% of operating company
- Establish service levels (NSW Public Lighting Code)



AEMC


- Set market rules (including with respect to smart controls)

• 50.4% of operating company



Ausgrid

- Operator of the network owning most street lights



AEMO


- Administer metering rules (incl unmetered loads like lighting)



- Suppliers



- Service contractors




AER
AUSTRALIAN ENERGY REGULATOR

- Price regulation



- Local authority
- Local road authority
- Pay the bills



Transport for NSW

- Main road authority
- Road safety agency



IPART

- Service-level oversight

Data Sharing

OLD

Equipment Number	Inventory Number	Customer Name	Rate	Start-Up Date
1000847310	LE34345	CANTERBURY CITY COUN	05	1/05/1945
1000847311	LE34346	CANTERBURY CITY COUN	01	1/05/1945
1000847312	LE34348	CANTERBURY CITY COUN	01	1/05/1945
1000847313	LE34351	CANTERBURY CITY COUN	01	8/08/1988
1000847314	LE34352	CANTERBURY CITY COUN	01	26/07/1972
1000847315	LE34353	CANTERBURY CITY COUN	01	8/08/1988
1000847316	LE34354	CANTERBURY CITY COUN	01	1/06/1972
1000847317	LE34355	CANTERBURY CITY COUN	01	1/06/1972
1000847318	LE34356	CANTERBURY CITY COUN	01	8/08/1988
1000847319	LE34357	CANTERBURY CITY COUN	01	8/08/1988
1000847320	LE34358	CANTERBURY CITY COUN	01	26/07/1972
1000847321	LE34359	CANTERBURY CITY COUN	01	8/08/1988
1000847322	LE34360	CANTERBURY CITY COUN	01	8/08/1988
1000847323	LE99827	CANTERBURY CITY COUN	01	10/11/2006
1000847324	LE99828	CANTERBURY CITY COUN	01	10/11/2006
1000928815	PE03909	CANTERBURY BANK STO	05	1/08/2007
1000928818	PE03911	CANTERBURY BANK STO	01	4/03/1969
1000928820	PE03912	CANTERBURY BANK STO	01	4/03/1969
1000928822	PE03914	CANTERBURY BANK STO	01	4/03/1969
1000928824	PE03915	CANTERBURY BANK STO	01	13/12/1994
1000928826	PE03917	CANTERBURY BANK STO	01	19/03/1969
1000928828	PE03919	CANTERBURY BANK STO	01	14/03/1969
1000928830	PE03925	CANTERBURY BANK STO	05	19/02/1969
1000928832	PE03928	CANTERBURY BANK STO	01	19/02/1969
1000928834	PE03930	CANTERBURY BANK STO	05	4/03/1969
1000928836	PE03933	CANTERBURY BANK STO	01	3/03/1969
1000928838	PE03934	CANTERBURY BANK STO	01	4/03/1969
1000928840	PE03937	CANTERBURY BANK STO	01	4/03/1969
1000928842	PE03938	CANTERBURY BANK STO	01	1/08/2007
1000928844	PE03943	CANTERBURY BANK STO	01	4/03/1969
1000928846	PE03944	CANTERBURY BANK STO	01	3/03/1969
1000928848	PE03948	CANTERBURY BANK STO	01	4/03/1969
1000928851	PE03952	CANTERBURY BANK STO	01	3/03/1969
1000928852	PE03955	CANTERBURY BANK STO	05	4/03/1969
1000928855	PE03958	CANTERBURY BANK STO	01	3/03/1969
1000928856	PE03959	CANTERBURY BANK STO	05	26/04/2008
1000928859	PE03961	CANTERBURY BANK STO	01	3/03/1969
1000928861	PE03962	CANTERBURY BANK STO	05	1/08/2007
1000928863	PE03963	CANTERBURY BANK STO	01	3/03/1969
1000928865	PE03967	CANTERBURY BANK STO	01	3/03/1969
1000928867	PE03968	CANTERBURY BANK STO	01	3/03/1969

NEW



Three Provocative Questions

1. Is one party owning the lighting assets while another has legal responsibility for providing the service to the community appropriate?
2. Which party should make decisions about technology, control the technology and own the data?
3. Is it really best practice if it takes two set of 'owners' and five regulators to oversee street lighting?