

# Out of sight but not out of mind

The benefits of power line  
undergrounding in South Australia



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## **Pulteney Street, Adelaide**

1995 - 96 and 2000 - 02

Length 1860 metres

PLEC Contribution \$960,464

Council Contribution \$480,233

# Foreword

## Out of sight But not out of mind

### The benefits of Power Line Undergrounding in South Australia

The Power Line Environment Committee (PLEC) is now fifteen years old and this report has been produced to note some of the achievements of the undergrounding program in South Australia and to show where funding has been distributed. This report shows that PLEC has been effective, especially in metropolitan Adelaide and major regional centres. It also shows where opportunities exist for more PLEC work to be carried out. This will assist PLEC in future directions.

The PLEC undergrounding program is an active and effective partnership mainly between ETSA Utilities and Councils, but also involves the Department for Transport, Energy and Infrastructure and Telstra. The contributions of each stakeholder result in aesthetic and economic benefits to the community in areas of tourism, heritage and commercial activity. The Committee is actively supported by the SA Government.



"It is evident, especially in regional areas, that communities are very appreciative of PLEC initiatives and what their Councils are able to achieve once power lines have been removed."

Hon Rosemary Crowley, Chairperson

# Introduction

Throughout the 1970's and 1980's, about \$14 million was spent by the Electricity Trust of South Australia (ETSA) on undergrounding power lines to supplement initiatives taken by many Councils and commercial enterprises. During that time, ETSA was assisted by the Electricity Reticulation Advisory Committee (ERAC) in making decisions on providing funds for undergrounding projects. ERAC comprised three community members and two ETSA representatives. ETSA and the project proponent provided funds on a dollar-for-dollar basis.

In 1990, the Power Line Environment Committee (PLEC) was established by the South Australian Government in response to the expectation of the general community and to maintain the initiatives of the forward-thinking groups involved in the earlier projects. An amended funding regime provided for a contribution of one dollar by Councils or proponents for every two dollars contributed by ETSA. There was also a substantial increase in the allocation of ETSA funds for use in undergrounding the electricity distribution system for the benefit of the general community. ETSA was responsible for funding the administration of PLEC.

Following the privatisation of South Australia's electricity assets in 2000, the responsibility for the administration of PLEC was transferred to the Essential Services Commission of South Australia. ETSA Utilities, now a private company, is required to contribute a minimum level of funding towards undergrounding projects annually in accordance with the *Electricity Act 1996* (Electricity Act).

The Charter of PLEC is to advise the Minister responsible for the Electricity Act (currently the Minister for Energy) in relation to the preparation of programs for undergrounding work pursuant to section 58A of the Electricity Act.

Since the establishment of PLEC, the scheme has been well patronised by Councils and other eligible proponents. To the end of the 2004/2005 financial year, the Committee has overseen the expenditure of over \$80 million on a total of 294 projects involving the undergrounding of nearly 160 kilometres of powerlines in South Australia.

This report summarises the use of this expenditure over this period and the benefits that have resulted.

The information tables herein have been obtained from PLEC records<sup>1</sup> and PLEC Annual Reports from 1990/01 to 2004/05.

<sup>1</sup>Since the early 1990s many Council amalgamations have occurred. Projects carried out since amalgamation, have been considered as being carried out by the Council that is currently in existence eg Stirling is now included in Adelaide Hills Council data

# Achievement

South Australia's undergrounding program has been applied mainly in the following four areas:

- Metropolitan Main Roads projects,
- Major Transport projects,
- Metropolitan foreshore projects, and
- Regional town and city centre projects.

## METROPOLITAN MAIN ROADS PROJECTS

In a submission to the Government in 1998, PLEC proposed that a comprehensive long-term program be initiated for power line undergrounding along major roads in metropolitan Adelaide. The Government subsequently increased PLEC funding by an additional \$1,000,000 in support of this strategic initiative. The Transport Authority, the Department of Transport, Energy and Infrastructure (DTEI) is responsible for arterial roads and as such, provided funding for public lighting along the thoroughfares. The DTEI also provided trees to augment the streetscape and project management support for the local council involved.

Hampstead Road and Pulteney/Unley/Belair Roads, all of which were staged, long-term projects, are examples that demonstrate the strategic approach to linking the undergrounding of major traffic corridors over longer distances through different council jurisdictions.

Approximately 52 kilometres of projects categorised as Metropolitan Main Roads have had powerlines undergrounded between 1990/91 and 2004/05.

## MAJOR TRANSPORT PROJECTS

PLEC funding is directed to main roads projects that are initiated by DTEI where the Council involved has agreed to contribute to the undergrounding costs. The opportunity is taken to underground the electricity network rather than relocating it to make way for major road works. Undergrounding also provides greater flexibility for carriageway and median design and allows greater scope for streetscaping. DTEI contributes to a portion of Council's costs for trenching and a portion of ETSA Utilities' network alterations.

The benefit of the main roads program is demonstrated by the undergrounding of Sir Donald Bradman Drive (formerly Burbridge Road), one of the first projects to be carried out in conjunction with the "Adelaide Arrive" gateway project. The project was a Federal Government initiative, carried out in association with DTEI, PLEC and the local council involved.

Portrush Road, South Road and Cross Road are three examples of significant DTEI projects where PLEC funding has been used towards undergrounding the power lines.

### Priorities for Funding

PLEC receives many submissions and it sets priorities based on the degree of public benefit. Considerations include:

#### Will the project benefit the community at large?

For example: Major thoroughfares such as South Road, or the Port Wakefield Road, Major shopping precincts such as Norwood Parade or Commercial Street Mt Gambier.

#### Is the area of significant heritage and tourist value?

For example: Mitcham Village, Moonta township and tourist routes like Jetty Road, Glenelg or Esplanades.

#### Is the project part of an ongoing strategic plan?

For example: Hampstead Road and Strathalbyn township.





# Achievement

## METROPOLITAN FORESHORE PROJECTS

In its submission to secure more funding for arterial roads, PLEC also designated the Adelaide metropolitan foreshore esplanades as focal community points and significant routes for visitors. As such, Councils were encouraged to incorporate undergrounding of power lines with planned amenity improvements. In the past 15 years, PLEC has funded much of the undergrounding of foreshore esplanades which has coincided with the recent State Government “Coast Park” initiative. City of Holdfast Bay (amalgamation of Brighton and Glenelg Councils) has undergrounded most of its foreshore esplanades. The Council embarked on a measured long-term plan to accomplish this and other undergrounding projects in its area.

## REGIONAL TOWN AND CITY CENTRE PROJECTS

There has been keen interest in regional communities in carrying out PLEC projects and in general, main streets have been the focus for undergrounding. Throughout the last 15 years as interest has built and benefits of undergrounding have been realised, proponents have “stretched” their focus to large-scale plans to underground their main business precincts. These proposals generally include a number of streets. This is especially prevalent where tourism is a factor in the economic growth and sustainability of the town.

Towns and cities such as Mt Gambier, Pt Lincoln, Victor Harbor, and Renmark have implemented a wider approach to undergrounding and amenity improvement to gain the maximum benefit for their respective communities. Not only does the local community gain by the improved, pleasant surrounds, but also visitors are encouraged by the appeal of the beautified town centres. Expenditure as a result of tourism further benefits the local economy.

## PUBLIC SUPPORT AND ACCEPTANCE

Since the inception of PLEC, the level of interest in projects has remained high and PLEC is unable to fund all of the proposals it receives. The undergrounding of power lines is popular with the community and in general, is seen as a priority. A 2003 survey<sup>2</sup> on consumer preferences revealed that residential and small business customers were willing to pay up to about 5% of their electricity bill to have the distribution network undergrounded.

Councils are able to inject new life into community areas when streetscaping plans are carried out following the removal of power lines. There are tangible commercial benefits gained through undergrounding and street-scaping and businesses that have experienced such initiatives are enthusiastic about the benefits. It may be safely assumed that the on-going benefit greatly exceeds the cost of streetscaping.



### Jetty Road, Brighton

1999 - 2000

Length 400 metres

PLEC Contribution \$265, 723

Council Contribution \$132,861

<sup>2</sup>Survey - Consumer Preferences for Electricity Service Standards, September 2003 - (KPMG) conducted on behalf of the Essential Services Commission of South Australia

# Prominent projects

Separate major projects carried out in the metropolitan area have had a dramatic impact on the streetscapes of many arterial roads. The major transport routes of Portrush Road, Hampstead Road and Cross Road have benefited greatly from the improvements carried out after the removal of unsightly power lines.

The undergrounding and streetscaping of Hutt Street, Adelaide has provided a major lift to the vicinity both visually and commercially.

The approach to the city of Adelaide along Sir Donald Bradman Drive (formerly Burbridge Road), from the Adelaide Airport, is a wonderful example of the transformation of a major traffic route that has benefitted from road reconstruction and tree planting as a result of undergrounding power lines.

Another significant achievement is the undergrounding of the arterial corridor from Adelaide to Mitcham along Pulteney Street, Unley Road and Belair Road. Although this booklet concentrates on the 15-year period to mid 2005, it is worth noting that this initiative, involving three Councils over a distance of 6.1 kilometres, is planned for completion by the end of 2006.

Some of the major arterial road projects in the Adelaide metropolitan area are listed in the table below, showing total expenditure to mid 2005.

| Project                         | Expenditure        | Distance      |
|---------------------------------|--------------------|---------------|
| Cross Road                      | \$2,767,748        | 4.5km         |
| <b>South Road</b>               | <b>\$3,495,060</b> | <b>11.3km</b> |
| Hampstead Road                  | \$2,769,329        | 2.7km         |
| <b>Portrush Road</b>            | <b>\$4,598,596</b> | <b>2.8km</b>  |
| Pulteney/Unley/Belair Roads     | \$6,002,275        | 5.0km         |
| <b>Sir Donald Bradman Drive</b> | <b>\$2,162,133</b> | <b>2.7km</b>  |



**Hutt Street, Adelaide**



**Hutt Street, Adelaide**

1991 - 1992  
Length 1100 metres  
PLEC Contribution \$471,000  
Council Contribution \$228,900



**Portrush Road, Kensington**

2001 - 2005  
Length 2800 metres  
PLEC Contribution \$2,446,260  
Council Contribution \$727,229  
DTEI Contribution \$1,425,107

# Prominent projects

London Plane Trees have been the predominant choice of tree by Councils and the Transport Authority for lining the arterial routes in Adelaide's metropolitan area.

Once established, the London Plane has a prolific canopy and provides an excellent level of shade during summer.



1. Looking west along Cross Road



2. Looking east along Henley Beach Road towards Adelaide



3. 'Adelaide Arrive' - Looking east along Sir Donald Bradman Drive towards Adelaide

## 1. Cross Road, Unley/Mitcham

1993 - 1995

Length 4500 metres

PLEC Contribution \$954,807

Council Contribution \$477,904

Transport Contribution \$1,335,037

## 2. Henley Beach Road, Torrensville

1993 - 1997

Length 2400 metres

PLEC Contribution \$570,054

Council Contribution \$256,526

Transport Contribution \$156,540

## 3. Sir Donald Bradman Drive

1997 - 1999

Length 2650 metres

PLEC Contribution \$1,213,200

Council Contribution \$542,933

Transport Contribution \$406,000



# Prominent projects

Many country centres have implemented long-term plans to underground their central business districts mainly because of their tourist potential and community activities.

## Renmark

Renmark, situated on the River Murray, is also a regional centre and tourist destination and is the first major South Australian town along the Murray River from interstate. A total of \$987,062 has been spent on undergrounding 3.4 kilometres of power lines along the riverfront roads and shopping and community areas.

## Port Lincoln

In Pt Lincoln, \$865,098 has been spent on undergrounding 1.7 kilometres of power lines in the central shopping and business area. The Council plans to underground the whole business area of Pt Lincoln and has begun its streetscaping program, which is expected to span a period of 10-15 years.

## Mt Gambier

Mt Gambier is the major regional centre for the South East of South Australia and has approached its undergrounding plans in the same manner as Pt Lincoln but on a larger scale. \$1,335,582 was spent to mid 2005 on undergrounding 3.6 kilometres of power lines in the city and along Jubilee Highway, the main highway to Victoria.

## Victor Harbor

Victor Harbor is a popular tourist area and \$1,401,551 has been spent on undergrounding 7.5 kilometres of power lines in the CBD and foreshore. One project, carried out over four stages, involved approximately 4 kilometres of undergrounding along the foreshore which leads to The Bluff, a popular tourist location for whale watching.



### Commercial Street East

Mt Gambier - Before



After



### Riverfront

Renmark



### Foreshore Area

Victor Harbor

# PLEC expenditure 1990/91-2004/05

The Power Line Environment Committee has overseen the undergrounding of nearly 160 kilometres of powerlines in South Australia from 1990 to 2005. The expenditure by participants over that period is summarised in Figure 1 below. The yearly expenditure figures can be found in appendix 1.

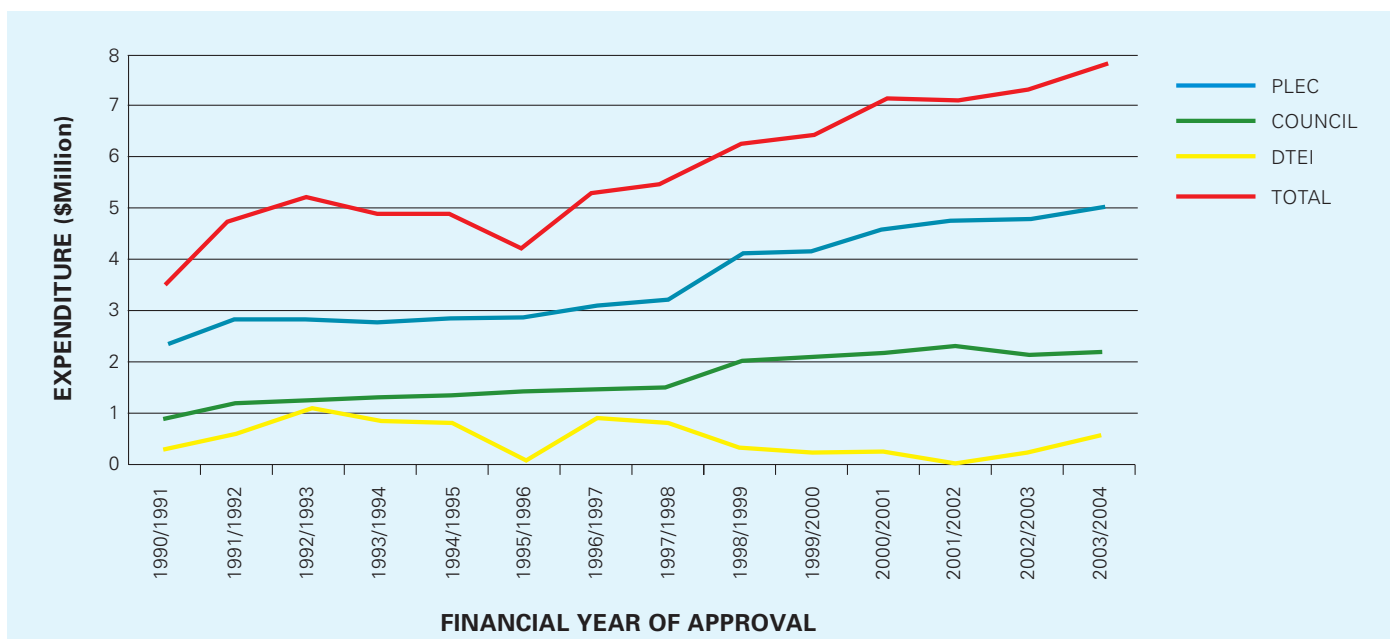
The annual allocation of funds to PLEC is maintained in real terms, so the rise in the PLEC expenditure curve parallels the increase in the Consumer Price Index (CPI). In 1998, the Government increased its allocation to PLEC funding by \$1 million providing specifically for undergrounding projects on Metropolitan Main Roads. These projects occur on arterial roads that are under the jurisdiction of the transport authority but are nominated by the local government authority.

PLEC funding has risen from \$2.27M in 1990/91 to \$4.87M in 2004/05. Over the same period, Council expenditure has also risen; from \$0.9 million to \$2.6 million. Expenditure by the transport authority (DTEI) reflects the nature of its main roads reconstruction program and has therefore varied between \$0.2 million and \$1.1 million. Transport expenditure on PLEC projects over the 15 years to 2005 has totalled \$7.3 million, but has diminished in recent years.

**Figure 1**

Undergrounding Expenditure by Year, 1990/91 – 2004/05<sup>3</sup>

<sup>3</sup>Projects constructed to June 2005 were approved during 2003/04, ie expenditure occurred in the following financial year. Figure 1 represents expenditure up to June 2005



*"PLEC was an excellent concept. Its aim was to improve the environmental amenity in places frequented by the public, like town centres and places of tourism interest. I believe that it has been spectacularly successful in fulfilling those aims.*

*The 'rule of thumb' was to allocate 2/3rds of the funds in the metropolitan area and 1/3rd of the funds in the country. Although this varies from year to year, the results have been obvious.*



*The streetscapes from Mt Gambier in the South East, to the mid-north, the Riverland, as far west as Ceduna and even as far north as Coober Pedy have improved dramatically as a result of the cooperation between the State and Local Governments.*

*It was my pleasure to chair PLEC for nine years. On a personal level, I got to know the State more intimately and to note with satisfaction, the improvement in amenity in all of the abovementioned places throughout South Australia.*

*PLEC has attempted, since its inception, to remain apolitical – to decide all priorities on their merit, free from political influence"*

**Hon Roger Goldsworthy AO, Chairperson 1995-2004**

# Metropolitan and regional funding proportions

## PROPORTIONS OF FUNDING

Table 1 summarises expenditure on undergrounding projects in the metropolitan and regional areas. A total of \$58.8 million, equal to 73% of the total expenditure, has been applied to undergrounding in Metropolitan Adelaide and a further \$21.6 million (27%) to country undergrounding projects. Most of the major Transport (DTEI) projects are in metropolitan Adelaide.

Overall expenditure on PLEC projects over the 15-year period is \$80.4 million. The PLEC portion of \$49.6 million <sup>4</sup> (62%) has been contributed by ETSA Utilities, Councils have contributed \$23.5 million (29%) and the Transport Authority (DTEI) has contributed \$7.3 million (9%).



**The Parade Norwood**  
At night

**Table 1** Undergrounding Expenditure by Source (\$)

|                             | PLEC         | COUNCIL      | DTEI        | Total        |
|-----------------------------|--------------|--------------|-------------|--------------|
| <b>Metropolitan Funding</b> | \$35,245,292 | \$16,316,725 | \$7,275,593 | \$58,837,610 |
| <b>Regional Funding</b>     | \$14,330,881 | \$7,166,415  | \$79,128    | \$21,576,424 |
| <b>Total</b>                | \$49,576,173 | \$23,483,140 | \$7,354,721 | \$80,414,034 |
|                             | 62%          | 29%          | 9%          |              |

<sup>4</sup>This figure does not include \$100,000 for project design work that ETSA Utilities carries out ahead of project submissions

# Metropolitan and regional funding proportions

## ADELAIDE METROPOLITAN AREA UNDERGROUNDING AND METROPOLITAN MAIN ROADS PROGRAM

The metropolitan plan (below) shows the main arterial roads targeted by PLEC for undergrounding following the allocation of additional PLEC funding by the State Government in 1998.

To mid 2005, there remains 87 kilometres of arterial roads to be undergrounded (shown in red). Foreshore esplanades were also included in the plan because of the focus on the broader community and tourism potential.

### Legend

- Proposed undergrounding
- Completed undergrounding



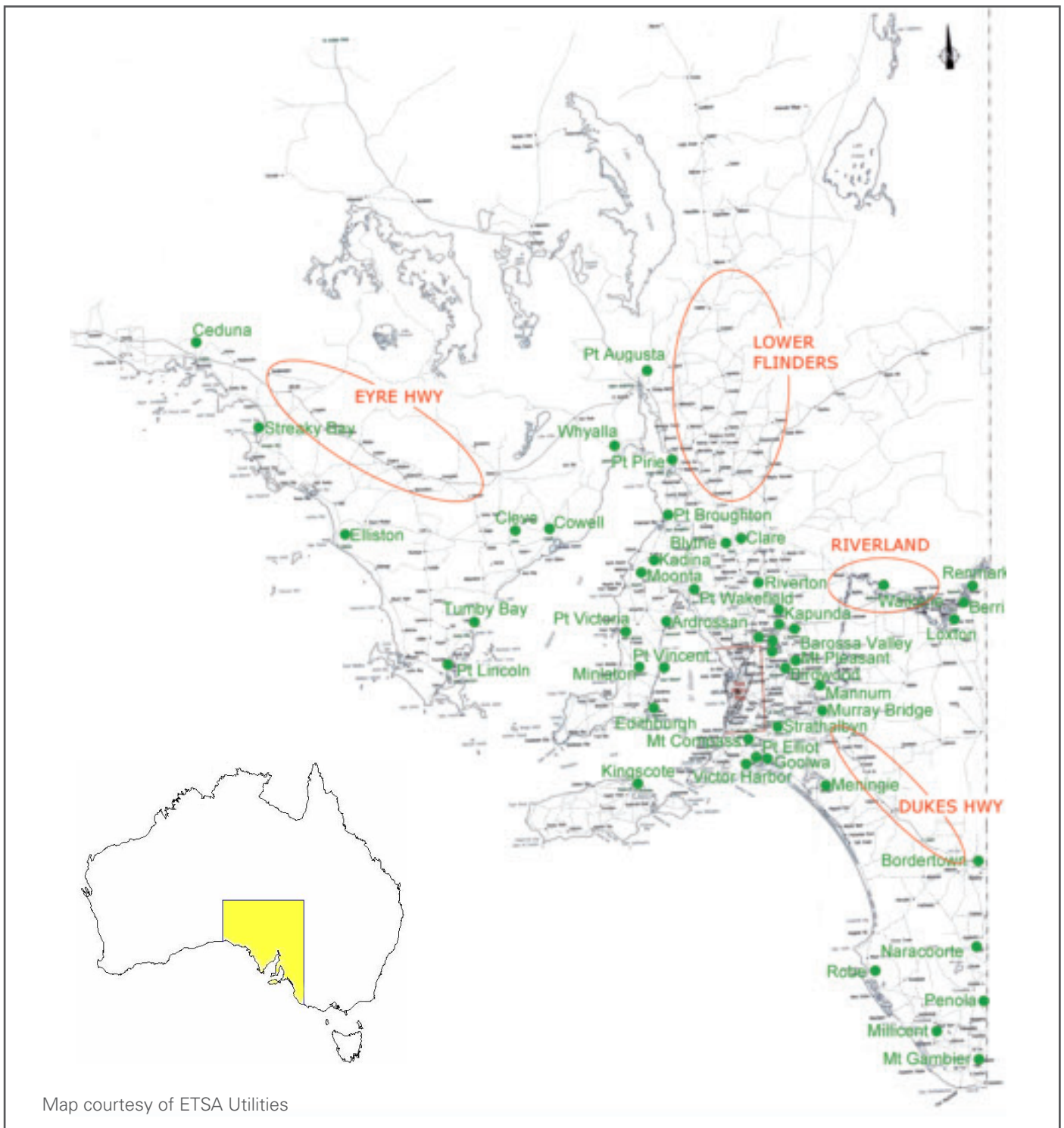
Map courtesy of ETSA Utilities



# Metropolitan and regional funding proportions

Many of the country towns (but not all), that have had undergrounding carried out, are shown on the regional map below.

The map illustrates that the main tourist routes of the Dukes Highway (South East), Riverland, Eyre Highway (Eyre Peninsula) and the Lower Flinders Ranges provide locations where more PLEC funding could be directed which, in regional areas, lifts the community along with the economic and tourist potential.





# Length of power lines underground

## OVERALL

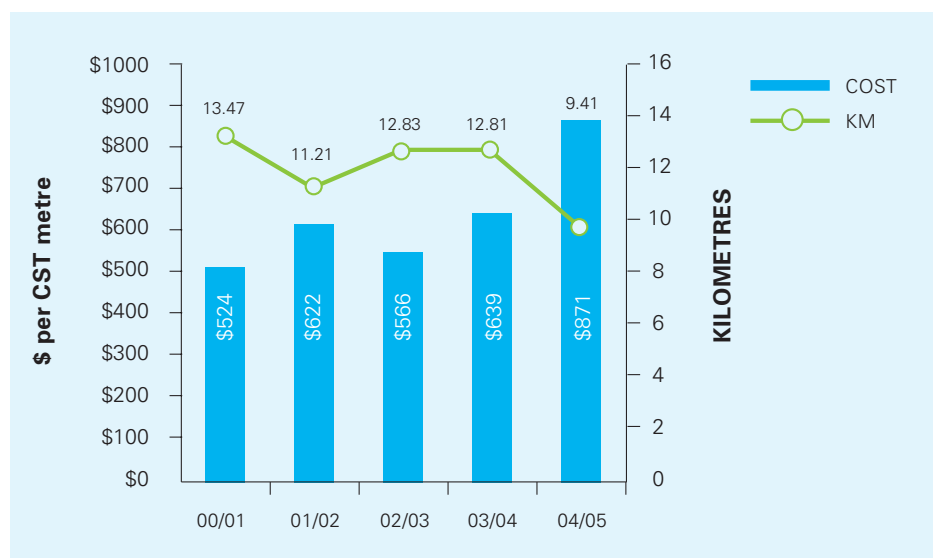
Data on the length of undergrounding and cost per metre have only been collected since 2000. Figure 2 summarises this data and indicates that the unit cost per common service trench (CST) metre has increased, resulting in a decline in the length undergrounded. Over this period, 77 kilometres of powerlines were undergrounded at an average cost of \$600 per CST-metre. Applying the average cost of undergrounding in \$/metre for the post 1999 period to the expenditure of the previous nine years (discounted for CPI) indicates that a further 80 kilometres of power lines have been undergrounded, making a total of approximately 160 kilometres.

## TRANSPORT AUTHORITY ROADS

The total length of urban arterial roads under DTEI jurisdiction in the greater metropolitan area is 1023 kilometres (675 kilometres in the inner urban area and 348 kilometres in the outer urban area including the Adelaide Hills). The length of power lines undergrounded in the greater metropolitan area to mid 2005 is 15.5% of this total. The total length of arterial roads under DTEI jurisdiction in the regional areas is 443 kilometres.

**Figure 2**

Undergrounding cost/CST-metre & total distance 2000 - 2005



**Port Road and Milner Street, Hindmarsh**

Digital Precinct

# Undergrounding expenditure by Councils

Council expenditure on PLEC projects to 2005 ranged from less than \$3,000 for the Pt Augusta Council to in excess of \$1.6 million by Adelaide City Council and City of Onkaparinga.

Table 2 summarises the total undergrounding expenditure by metropolitan and regional councils.

**Table 2**

Expenditure by Metropolitan and Country Councils

|                     | TOTAL        | MEAN AVERAGE |
|---------------------|--------------|--------------|
| <b>Metropolitan</b> | \$16,189,458 | \$899,414    |
| <b>Regional</b>     | \$7,293,682  | \$221,021    |

The overall average funding per council was \$0.46 million, but there was a large difference between metropolitan and regional councils; \$0.9 million for metropolitan councils and \$0.22 million for regional councils. There are nearly twice as many regional councils than metropolitan councils. However, expenditure by metropolitan councils is more than double that of regional councils. This is mainly due to the size and nature of the projects which is shown in the comparison of the mean average.

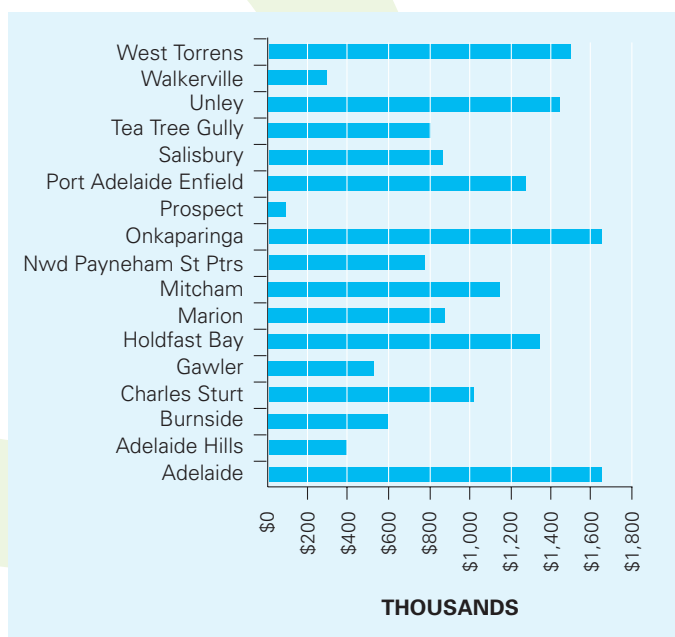
Figures 3 and 4 summarise expenditure by each council in the metropolitan and regional areas (ie Councils' total contributions to PLEC projects).

A list of the projects in metropolitan and regional areas and the cost of each project can be found in Appendices 2 and 3.

The maps on pages 10 and 11 indicate the locations of roads undergrounded in metropolitan Adelaide and in country towns.

**Figure 3**

PLEC Expenditure by Metropolitan Councils 1991- 2005



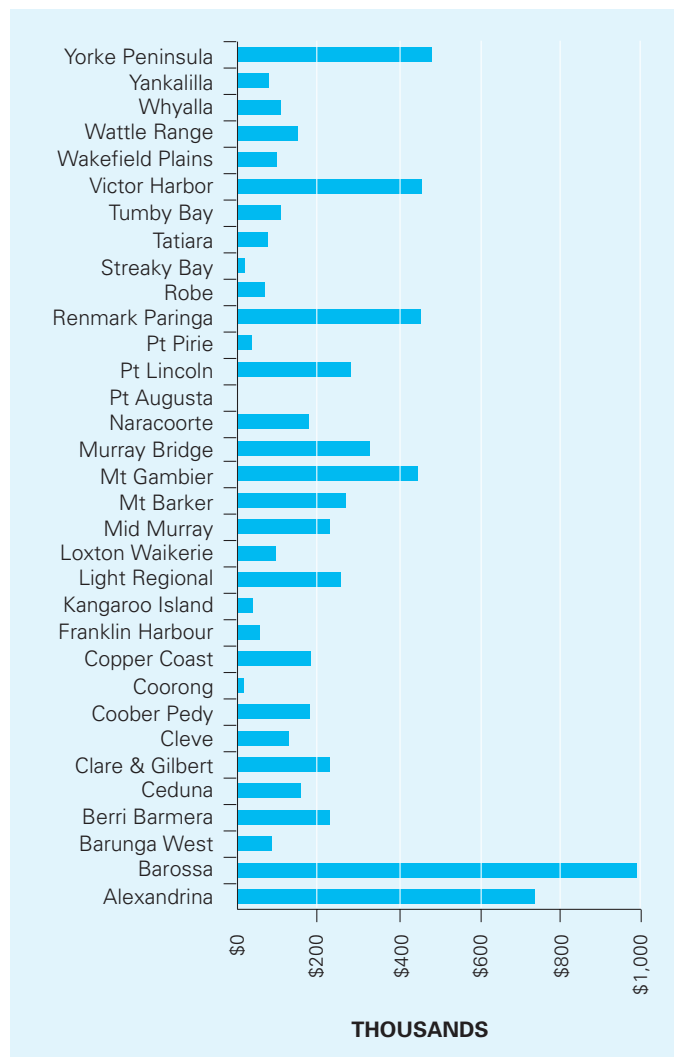
**Gawler Street**  
Mt Barker

# Undergrounding expenditure by Councils

The Barossa and Alexandrina Councils have contributed the greatest amount of funding towards undergrounding of the regional Councils to mid 2005. Both of these councils, followed by Yorke Peninsula which has contributed the next highest amount of funding, have carried out projects in the main streets of several townships rather than undergrounding major commercial areas such as Victor Harbor, Renmark Paringa and Mt Gambier Councils have done.

**Figure 4**

PLEC Expenditure by Regional Councils 1991- 2005



**Main Street**  
Blyth





# Major metropolitan projects

Table 3 lists major metropolitan projects, most of which span several councils and have taken several years to complete.

**Table 3**  
Major Metropolitan Projects

| ROAD / COUNCILS   | PLEC        | Council     | DTEI        | Total       |
|---|-------------|-------------|-------------|-------------|
| <b>South Road</b>                                       |             |             |             |             |
| - West Torrens, Mitcham, Marion, Onkaparinga            | \$1,455,990 | \$661,735   | \$1,377,335 | \$3,495,060 |
| <b>Cross Road</b>                                       |             |             |             |             |
| - Mitcham, Unley  | \$954,807   | \$477,904   | \$1,335,037 | \$2,767,748 |
| <b>Esplanade</b>  |             |             |             |             |
| -Pt Adelaide Enfield, Holdfast Bay, Marion, Onkaparinga | \$2,260,327 | \$1,130,117 |             | \$3,390,444 |
| <b>Pulteney St, Unley Rd, Belair Rd</b>                 |             |             |             |             |
| - Adelaide, Unley, Mitcham                              | \$3,989,750 | \$1,994,525 | \$18,000    | \$6,002,275 |
| <b>Portrush Road</b>                                    |             |             |             |             |
| - Burnside, Norwood Payneham St Peters                  | \$2,446,260 | \$727,229   | \$1,425,107 | \$4,598,596 |
| <b>Sir Donald Bradman Drive/Grote Street</b>            |             |             |             |             |
| - West Torrens, Adelaide                                | \$1,213,200 | \$542,933   | \$406,000   | \$2,162,133 |
| <b>Regional Shopping Centre Environs</b>                |             |             |             |             |
| - Westfield Marion                                      | \$1,060,237 | \$530,119   |             | \$1,590,356 |
| <b>Regional Shopping Centre Environs</b>                |             |             |             |             |
| - Tea Tree Plaza  | \$1,581,191 | \$790,596   |             | \$2,371,787 |

## From left to right continuing

**Melrose Street** - Mt Pleasant  
**North Terrace** - Port Elliot  
**Robe Terrace** - Medindie

**Beach Road** - Christies Beach  
**Anzac Highway** - Glenelg  
**Belair Road** - Kingswood

**Tasman Terrace** - Port Lincoln  
**Bay Road** - Port Broughton  
**High Street** - Strathalbyn

**Murray Street** - Nuriootpa  
**Shepherds Hill Road** - Blackwood



# Regional projects

Table 4 summarises the undergrounding achieved in major regions of South Australia.

The regions with most expenditure are towns on Eyre Peninsula, River Murray, Mt Lofty Ranges and the South East.

**Table 4**

Undergrounding in Regions

| LOCATION  | COUNCILS  | PLEC        | Council     | Total       |
|---|---|-------------|-------------|-------------|
| <b>Barossa towns:</b> Lyndoch, Tanunda, Nuriootpa, Angaston, Mt Pleasant, Williamstown.   | Barossa   | \$1,134,306 | \$567,154   | \$1,701,460 |
| <b>Mt Lofty Ranges:</b> Mt Pleasant, Birdwood, Williamstown, Summertown, Uraidla, Norton Summit, Aldgate, Meadows, Mt Barker, Macclesfield, Strathalbyn, Mt Compass, Normanville, | Barossa, Adelaide Hills, Mt Barker Alexandrina Yankalilla                               | \$2,849,304 | \$1,424,651 | \$4,273,955 |
| <b>South Coast:</b> Goolwa, Pt Elliot, Victor Harbor  | Alexandrina Victor Harbor   | \$1,927,603 | \$963,804   | \$2,891,407 |
| <b>Copper Coast &amp; Yorke Peninsula:</b> Moonta, Kadina, Pt Broughton, Pt Vincent, Pt Victoria Edithburgh, Minlaton, Ardrossan  | Copper Coast, Barunga West, Yorke Peninsula   | \$1,531,917 | \$765,960   | \$2,297,877 |
| <b>River Murray Towns:</b> Paringa, Renmark, Berri, Loxton, Waikerie, Mannum, Murray Bridge.  | Renmark-Paringa, Berri-Barmera, Loxton-Waikerie, Mid Murray Murray Bridge               | \$3,268,173 | \$1,634,087 | \$4,902,260 |
| <b>Mid North:</b> Clare, Riverton, Kapunda, Pt Pirie, Blyth, Pt Wakefield   | Clare, Light, Pt Pirie, Wakefield Plains  | \$1,522,507 | \$745,734   | \$2,314,761 |
| <b>Eyre Peninsula:</b> Ceduna, Streaky Bay, Pt Lincoln, Tumby Bay, Cleve, Cowell, Whyalla, Pt Augusta   | Ceduna, Streaky Bay, Pt Lincoln, Tumby Bay, Cleve, Franklin Harbor, Whyalla, Pt Augusta | \$3,470,552 | \$1,735,276 | \$5,205,828 |
| <b>Kangaroo Island:</b> Kingscote, Cygnet River (Nat Parks)   | Kangaroo Island   | \$128,083   | \$64,042    | \$192,125   |
| <b>South East:</b> Meningie, Robe, Naracoorte, Mt Gambier, Penola, Bordertown   | Coorong, Robe, Wattle Range, Naracoorte, Mount Gambier, Tatiara                         | \$2,588,309 | \$1,290,947 | \$3,911,864 |
| <b>Other:</b> Coober Pedy   | Coober Pedy   | \$370,248   | \$185,124   | \$555,372   |
| <b>Note:</b> Plus DTEI funding: Mt Gambier \$32,608, Pt Wakefield \$46,520  |   |             |             |             |



# Appendix 1

**Table 5**

Undergrounding Expenditure by Year, 1990/91 – 2004/05

Figures in the table below represent the approved PLEC expenditure for projects constructed up to June 2005. Projects approved throughout 2003/2004 are scheduled for construction throughout 2004/2005.

| YEAR         | PLEC                | COUNCIL             | DTEI               | TOTAL               |
|--------------|---------------------|---------------------|--------------------|---------------------|
| 1990/1991    | \$2,271,130         | \$898,870           | \$316,540          | \$3,486,540         |
| 1991/1992    | \$2,746,813         | \$1,318,475         | \$647,622          | \$4,712,910         |
| 1992/1993    | \$2,758,922         | \$1,379,403         | \$1,104,781        | \$5,243,106         |
| 1993/1994    | \$2,700,752         | \$1,350,775         | \$845,775          | \$4,897,302         |
| 1994/1995    | \$2,749,503         | \$1,374,675         | \$809,446          | \$4,933,624         |
| 1995/1996    | \$2,811,006         | \$1,362,000         | \$90,594           | \$4,263,600         |
| 1996/1997    | \$3,060,000         | \$1,442,456         | \$902,166          | \$5,404,622         |
| 1997/1998    | \$3,265,721         | \$1,490,575         | \$746,219          | \$5,502,515         |
| 1998/1999    | \$4,180,000         | \$1,898,678         | \$315,300          | \$6,393,978         |
| 1999/2000    | \$4,200,000         | \$2,015,646         | \$230,777          | \$6,446,423         |
| 2000/2001    | \$4,575,726         | \$2,170,093         | \$316,007          | \$7,061,826         |
| 2001/2002    | \$4,679,861         | \$2,324,929         | \$0                | \$7,004,790         |
| 2002/2003    | \$4,673,705         | \$2,180,832         | \$410,343          | \$7,264,880         |
| 2003/2004    | \$5,003,034         | \$2,275,733         | \$619,151          | \$7,897,918         |
| <b>TOTAL</b> | <b>\$49,676,173</b> | <b>\$23,483,140</b> | <b>\$7,354,721</b> | <b>\$80,514,034</b> |

**Table 6**

Percentage and Total of PLEC Funds allocated

The following table lists the top ten Metropolitan and Regional Councils in order of funding contributed by PLEC and Councils between 1990/91 and 2004/05. The figures do not include expenditure by the Transport Authority.

| METROPOLITAN         |             |         | REGIONAL        |             |         |
|----------------------|-------------|---------|-----------------|-------------|---------|
| COUNCIL              | \$ Total    | % Funds | COUNCIL         | \$ Total    | % Funds |
| Onkaparinga          | \$4,967,800 | 6.18%   | Barossa         | \$2,967,928 | 3.69%   |
| West Torrens         | \$4,909,720 | 6.11%   | Alexandrina     | \$2,204,522 | 2.74%   |
| Adelaide             | \$4,857,638 | 6.04%   | Yorke Peninsula | \$1,500,551 | 1.87%   |
| Unley                | \$4,486,295 | 5.58%   | Renmark Paringa | \$1,411,839 | 1.76%   |
| Holdfast Bay         | \$4,374,590 | 5.44%   | Victor Harbor   | \$1,401,551 | 1.74%   |
| Pt Adelaide Enfield  | \$3,781,012 | 4.70%   | Mt Gambier      | \$1,302,974 | 1.62%   |
| Charles Sturt        | \$3,279,416 | 4.08%   | Murray Bridge   | \$940,461   | 1.17%   |
| Mitcham              | \$3,217,134 | 4.00%   | Mt Barker       | \$872,992   | 1.09%   |
| Salisbury            | \$2,906,050 | 3.61%   | Pt Lincoln      | \$865,098   | 1.08%   |
| Nwd Payneham St Ptrs | \$2,757,985 | 3.43%   | Light Regional  | \$842,014   | 1.05%   |

# Appendix 2

**Table 7**

Metropolitan Adelaide Undergrounding Projects, 1990/91 – 2004/05

**Note**

Staged projects have been grouped to reflect total expenditure.

| COUNCIL               | LOCATION                                | \$ PLEC     | \$ COUNCIL | \$ DTEI   |
|-----------------------|---|-------------|------------|-----------|
| <b>Adelaide</b>       | Elder Park                              | \$15,000    | \$7,500    |           |
|                       | Hindley St                              | \$242,140   | \$121,070  |           |
|                       | Leigh St                                | \$15,348    | \$7,674    |           |
|                       | Barton Terrace, Nth Adelaide            | \$75,000    | \$36,500   |           |
|                       | Goodwood Rd (South Tce to Greenhill Rd) | \$74,700    | \$37,300   |           |
|                       | Grote Street (West Tce to Victoria Sq)  | \$195,000   | \$97,500   |           |
|                       | Hutt Street                             | \$558,100   | \$282,200  |           |
|                       | King William Road                       | \$65,750    | \$30,300   |           |
|                       | McKinnon Parade, Nth Adelaide           | \$124,533   | \$62,276   |           |
|                       | Melbourne Street, West Nth Adelaide     | \$272,000   | \$155,300  |           |
|                       | Port Road, Thebarton                    | \$56,500    | \$28,200   |           |
|                       | Pulteney Street                         | \$960,464   | \$480,223  |           |
|                       | South Tce - West Tce to King William St | \$310,500   | \$155,200  |           |
|                       | North Terrace Uni SA                    | \$21,400    | \$10,700   |           |
|                       | Wellington Square                       | \$239,500   | \$119,750  |           |
| <b>Adelaide Hills</b> | Mt Barker Road, Aldgate                 | \$81,507    | \$40,753   |           |
|                       | Greenhill Road, Summertown              | \$194,126   | \$97,063   |           |
|                       | Greenhill Road, Uraidla                 | \$52,500    | \$26,200   |           |
|                       | Norton Summit                           | \$17,759    | \$8,879    |           |
|                       | Shannon St, Birdwood                    | \$300,480   | \$150,240  |           |
|                       | Mt Barker Road, Stirling                | \$152,138   | \$76,069   |           |
| <b>Burnside</b>       | Gill Terrace, Glen Osmond               | \$19,400    | \$9,600    |           |
|                       | Waterfall Gully Road                    | \$256,095   | \$128,047  |           |
|                       | Waterfall Gully Kiosk                   | \$11,690    | \$5,845    |           |
| <b>Burnside/TSA</b>   | Portrush Road                           | \$1,012,032 | \$296,896  | \$588,017 |
| <b>Charles Sturt</b>  | Churchill/Torrens Rd, Bowden            | \$468,820   | \$81,610   | \$315,300 |
|                       | Milner St, Hindmarsh                    | \$286,333   | \$143,167  |           |
|                       | Hindmarsh Stadium environs              | \$186,367   | \$93,183   |           |
|                       | Mary Street, Hindmarsh                  | \$196,933   | \$98,467   |           |
|                       | Seaview Road, Henley Beach              | \$322,967   | \$161,484  |           |
|                       | Seaview Road/Grange Road, Grange        | \$25,715    | \$34,895   |           |
|                       | The Esplanade, Semaphore                | \$127,380   | \$63,690   |           |
|                       | Esplanade, Henley Beach                 | \$247,182   | \$123,591  |           |
|                       | Moresby Street, Lockleys                | \$42,925    | \$21,462   |           |
|                       | The Esplanade, Henley Beach South       | \$42,000    | \$21,000   |           |
|                       | Port Road, Hindmarsh                    | \$195,000   | \$98,000   |           |
|                       | First Ave, Brompton                     | \$6,000     | \$3,500    |           |
|                       | Civic Centre Environs, Woodville        | \$125,228   | \$62,517   |           |
|                       | Murray Street, Gawler                   | \$1,038,054 | \$519,027  |           |
|                       | Main North Road, Evanston               | \$24,640    | \$7,000    | \$56,810  |
| <b>Gawler</b>         | Tod & Jacob Street, Gawler              | \$79,500    | \$37,300   |           |

# Appendix 2

| COUNCIL                       | LOCATION                                      | \$ PLEC     | \$ COUNCIL | \$ DTEI   |
|-------------------------------|---|-------------|------------|-----------|
| Holdfast Bay                  | Jetty Rd/Esplanade, Brighton                  | \$265,723   | \$132,861  |           |
|                               | Esplanades, Holdfast Bay                      | \$1,115,058 | \$557,529  |           |
|                               | Anzac Highway, Glenelg                        | \$430,289   | \$215,145  |           |
|                               | Patawalonga Frontage, Glenelg Nth             | \$369,300   | \$184,650  |           |
|                               | Jetty Road, Glenelg                           | \$278,525   | \$139,263  |           |
|                               | Burnham Rd, Kingston Park                     | \$78,065    | \$39,482   |           |
|                               | Colley Tce, Glenelg                           | \$15,100    | \$7,600    |           |
|                               | Tapleys Hill Rd, Glenelg North                | \$493,000   | \$53,000   | \$188,440 |
| Marion                        | Cove Road, Marino                             | \$449,781   | \$233,084  |           |
|                               | Diagonal Road, Marion                         | \$589,237   | \$294,619  |           |
|                               | Sturt Road, Marion                            | \$471,000   | \$235,500  |           |
|                               | South Road & Marion Road, Darlington          | \$220,400   | \$109,900  | \$287,100 |
|                               | The Esplanade, Hallett Cove                   | \$11,100    | \$5,500    |           |
| Mitcham                       | Cross Road                                    |             | \$109,216  |           |
|                               | Belair Road, Kingswood                        | \$920,519   | \$460,259  |           |
|                               | Shepherds Hill Rd, Blackwood                  | \$451,000   | \$225,500  |           |
|                               | Main Road, Blackwood                          | \$480,860   | \$238,780  |           |
|                               | High Street, Mitcham                          | \$15,800    | \$7,900    |           |
|                               | Princes Road, Mitcham                         | \$81,400    | \$40,700   |           |
|                               | South Road, Darlington (Ayliffes to Sturt Rd) | \$123,300   | \$61,900   | \$139,600 |
|                               | The Parade, Norwood                           | \$632,154   | \$313,757  |           |
| Norwood Payneham<br>St Peters | High Street, Kensington                       | \$17,890    | \$8,945    |           |
|                               | Osmond Tce, Norwood                           | \$262,900   | \$131,000  |           |
|                               | Phillips Street, Kensington                   | \$9,606     | \$5,121    |           |
|                               | Glen Osmond Intersection                      | \$612,030   | \$162,265  | \$271,500 |
|                               | Portrush Rd                                   | \$1,054,933 | \$321,679  | \$619,151 |
| Onkaparinga                   | Grey Street, Pt Noarlunga                     | \$53,369    | \$19,000   | \$37,684  |
|                               | Gawler St, Noarlunga                          | \$255,147   | \$127,573  |           |
|                               | Main Road, McLaren Vale                       | \$660,018   | \$330,009  |           |
|                               | Murray Rd, Pt Noarlunga                       | \$376,326   | \$188,163  |           |
|                               | Beach Road, Christies Beach                   | \$363,533   | \$181,767  |           |
|                               | Esplanade, Christies Beach                    | \$397,996   | \$198,999  |           |
|                               | Old Township, Pt Noarlunga                    | \$297,122   | \$198,081  |           |
|                               | Old Coach Road, Aldinga                       | \$21,045    | \$10,522   |           |
|                               | South Road, Darlington (Adj Flagstaff Rd)     | \$85,200    | \$42,600   | \$35,700  |
|                               | Grants Gully Road, Clarendon                  | \$116,190   | \$58,095   |           |
|                               | Robinson Road, Noarlunga                      | \$156,300   | \$78,000   | \$127,700 |
|                               | Township Pt Noarlunga                         | \$115,198   | \$38,950   | \$35,000  |
|                               | Esplanade, Moana                              | \$94,000    | \$47,000   |           |
|                               | Esplanade, Aldinga Beach                      | \$23,620    | \$11,810   |           |
|                               | High Street, Willunga                         | \$109,000   | \$54,500   |           |
| Prospect                      | Commercial Road, Seaford                      | \$201,333   | \$57,333   | \$138,333 |
|                               | Prospect Road, Prospect                       | \$184,765   | \$92,385   | \$24,000  |

# Appendix 2

| COUNCIL                    | LOCATION                                | \$ PLEC     | \$ COUNCIL  | \$ DTEI     |
|----------------------------|---|-------------|-------------|-------------|
| <b>Pt Adelaide Enfield</b> | Salisbury HighWwy/South Road Connector  | \$122,200   | \$61,100    | \$258,000   |
|                            | Commercial Road, Pt Adelaide            | \$276,608   | \$138,304   |             |
|                            | Lady Ruthven Drive, Outer Harbour       | \$148,500   | \$77,500    |             |
|                            | North Parade, Pt Adelaide               | \$5,250     | \$2,800     |             |
|                            | The Esplanade, Semaphore                | \$111,165   | \$55,585    |             |
| <b>Salisbury</b>           | Hampstead Road                          | \$1,854,667 | \$927,333   |             |
|                            | Grove Way, Salisbury Heights            | \$131,740   | \$32,690    | \$71,290    |
|                            | Main North Road                         | \$169,499   | \$84,716    | \$120,007   |
|                            | Montague Road, Pooraka                  | \$380,090   | \$107,456   | \$612,962   |
|                            | Port Wakefield Road, Bolivar            | \$172,819   | \$38,413    | \$215,292   |
|                            | Gawler Street, Salisbury                | \$71,129    | \$35,565    |             |
|                            | John Street, Salisbury                  | \$111,200   | \$55,600    |             |
|                            | Saints Road, Salisbury Plain St1        | \$135,900   | \$67,950    |             |
|                            | James St, Salisbury                     | \$11,465    | \$5,732     |             |
|                            | North Bagster Road, Salisbury           | \$722,588   | \$361,294   |             |
|                            | Commercial Road, Salisbury              | \$88,000    | \$44,000    |             |
|                            | Pt Wakefield Road, Cavan                | \$52,136    | \$26,068    | \$79,93     |
|                            | North East Road, Modbury (TTP environs) | \$1,226,100 | \$613,051   |             |
| <b>Tea Tree Gully</b>      | Montague Road, Tea Tree Gully           | \$106,491   | \$53,245    |             |
|                            | North East Rd, Tea Tree Gully           | \$248,600   | \$124,300   |             |
|                            | Unley Road, Unley                       | \$2,108,767 | \$1,054,033 | \$18,000    |
| <b>Unley</b>               | Cross Rd, Unley                         | \$954,807   | \$368,688   | \$1,335,037 |
| <b>Unley/Mitcham</b>       | Mile End Project - Stage 5 (Netball)    | \$23,884    |             |             |
| <b>Urban Project Auth.</b> | Robe Terrace Medindie                   | \$216,033   | \$108,017   |             |
|                            | Walkerville Tce, Walkerville            | \$377,865   | \$188,936   |             |
| <b>Walkerville</b>         | Burbridge Road West Torrens             | \$1,213,200 | \$542,933   | \$406,000   |
|                            | Henley Beach Road                       | \$570,054   | \$256,526   | \$156,540   |
|                            | Mile End Project                        | \$125,360   | \$40,282    | \$92,814    |
|                            | Port Road                               | \$475,677   | \$187,379   | \$130,444   |
|                            | South Road                              | \$1,027,090 | \$447,335   | \$914,935   |
| <b>West Torrens</b>        |   |             |             |             |
|                            |   |             |             |             |
|                            |   |             |             |             |
|                            |   |             |             |             |
|                            |   |             |             |             |

**Gawler Street**  
Pt Noarlunga



# Appendix 3

**Table 8**

Country Undergrounding Projects, 1990/91 – 2004/05

**Note**

Staged projects have been grouped to reflect total expenditure.

| COUNCIL                            | LOCATION  | \$ PLEC   | \$ COUNCIL | \$ DTEI |
|------------------------------------|---|-----------|------------|---------|
| <b>Alexandrina</b>                 | Main Street, Pt Elliot                            | \$562,467 | \$281,234  |         |
|                                    | The Strand, Pt Elliot                             | \$116,861 | \$58,431   |         |
|                                    | Barrage Road, Goolwa                              | \$93,330  | \$46,665   |         |
|                                    | Main Street, Mt Compass Stage2                    | \$86,857  | \$43,428   |         |
|                                    | Cadell Street, Goolwa Stage 2                     | \$178,675 | \$89,338   |         |
|                                    | Heritage Park Goolwa (Environs)                   | \$44,570  | \$21,900   |         |
|                                    | Main Street, Mt Compass                           | \$54,500  | \$27,250   |         |
|                                    | Strathalbyn Township                              | \$332,677 | \$166,339  |         |
| <b>Barossa</b>                     | Queen Street, Williamstown                        | \$485,300 | \$242,650  |         |
|                                    | Barossa Valley Highway, Lyndoch                   | \$174,045 | \$87,010   |         |
|                                    | Main Street, Lyndoch                              | \$90,798  | \$45,400   |         |
|                                    | Main Street, Tanunda                              | \$368,633 | \$184,317  |         |
|                                    | Melrose St, Mt Pleasant                           | \$359,020 | \$179,510  |         |
|                                    | Murray Street, Nuriootpa                          | \$172,000 | \$86,000   |         |
|                                    | Murray Street/Sturt Street, Angaston              | \$328,830 | \$164,415  |         |
| <b>Barunga West</b>                | Bay Rd , Pt Broughton                             | \$170,000 | \$85,000   |         |
| <b>Berri Barmera</b>               | Kay Ave, Berri                                    | \$291,733 | \$145,867  |         |
|                                    | Denny Street, Berri                               | \$173,400 | \$86,700   |         |
| <b>Ceduna</b>                      | Poynton Street, (CBD) Ceduna                      | \$332,107 | \$166,054  |         |
|                                    | South Terrace, Ceduna                             | \$9,220   | \$4,610    |         |
| <b>Clare &amp; Gilbert Valleys</b> | Gleeson Street, Clare                             | \$63,600  | \$31,800   |         |
|                                    | Main North Rd/ Old Main North Rd, Clare           | \$271,766 | \$135,883  |         |
|                                    | Torrens Road, Riverton                            | \$132,367 | \$66,133   |         |
| <b>Cleve</b>                       | Main Street, Cleve                                | \$250,297 | \$141,097  |         |
| <b>Coober Pedy</b>                 | Main Street, Coober Pedy                          | \$370,248 | \$185,130  |         |
| <b>Coorong</b>                     | Princess Highway, Meningie                        | \$34,300  | \$18,640   |         |
| <b>Copper Coast</b>                | Commercial Centre Moonta                          | \$295,037 | \$147,519  |         |
|                                    | Port Road, Kadina                                 | \$71,828  | \$35,914   |         |
| <b>Franklin Harbour</b>            | Main Street, Cowell                               | \$109,333 | \$54,667   |         |
| <b>Kangaroo Island</b>             | Dauncey Street, Kingscote                         | \$79,231  | \$39,616   |         |
|                                    | Kingscote Terrace, Kingscote                      | \$25,352  | \$12,676   |         |
| <b>Light Regional</b>              | Main Street, Kapunda                              | \$554,419 | \$277,209  |         |
|                                    | Map the Miner Kapunda                             | \$6,900   | \$3,486    |         |
| <b>Loxton Waikerie</b>             | McCoy St, Waikerie                                | \$147,900 | \$73,950   |         |
|                                    | East Terrace, Loxton (West side)                  | \$25,260  | \$12,640   |         |
|                                    | Pyap Street, Loxton                               | \$27,000  | \$15,000   |         |
|                                    | Francis Street, Waikerie                          | \$8,629   | \$4,314    |         |
| <b>Mid Murray</b>                  | Main Street, Mannum                               | \$453,667 | \$226,833  |         |
| <b>Mt Barker</b>                   | Mawson Road, Meadows                              | \$177,008 | \$88,504   |         |
|                                    | Morphett Street, Mount Barker                     | \$345,567 | \$172,783  |         |
|                                    | Hutchinson Street, Mt Barker (Gawler to Morphett) | \$17,400  | \$10,200   |         |
|                                    | Venables Street, Macclesfield (Todd to Sturt)     | \$43,400  | \$18,130   |         |



# Appendix 3

| COUNCIL                     | LOCATION                              | \$ PLEC   | \$ COUNCIL | \$ DTEI  |
|-----------------------------|---------------------------------------|-----------|------------|----------|
| <b>Mt Gambier</b>           | Commercial Street, Mt Gambier         | \$480,214 | \$241,007  |          |
|                             | Helen Street, Mount Gambier           | \$228,530 | \$114,265  |          |
|                             | Jubilee Highway, Mount Gambier        | \$154,820 | \$74,200   | \$32,608 |
|                             | Percy Street, Mt Gambier              | \$6,625   | \$3,313    |          |
| <b>Murray Bridge</b>        | Adelaide Road, Murray Bridge          | \$626,974 | \$313,487  |          |
| <b>Naracoorte</b>           | Naracoorte Cent Business Area         | \$120,000 | \$60,000   |          |
|                             | Ormorod St, Naracoorte                | \$259,577 | \$129,789  |          |
| <b>National Parks (DEH)</b> | Cygnnet River Estuary Kangaroo Island | \$23,500  | \$11,500   |          |
| <b>Pt Augusta</b>           | Marriot Street, Pt Augusta            | \$5,414   | \$2,700    |          |
| <b>Pt Lincoln</b>           | Washington St, Pt Lincoln             | \$335,767 | \$167,884  |          |
|                             | Liverpool Street, Pt Lincoln          | \$24,225  | \$12,110   |          |
|                             | Bligh Street, Pt Lincoln              | \$118,741 | \$59,371   |          |
|                             | Tasman Tce, Pt Lincoln                | \$98,000  | \$49,000   |          |
| <b>Pt Pirie</b>             | Solomontown Beach Pt Pirie            | \$49,000  | \$24,500   |          |
| <b>Renmark Paringa</b>      | Renmark Avenue, Renmark               | \$69,547  | \$34,773   |          |
|                             | Paringa Township, Paringa             | \$194,347 | \$97,174   |          |
|                             | Commercial Centre, Renmark Stage1     | \$189,172 | \$94,586   |          |
|                             | Fifteenth Street, Renmark Stage2      | \$337,180 | \$168,590  |          |
|                             | Ral Ral Ave, Renmark                  | \$24,716  | \$12,358   |          |
|                             | Main Street, Loxton                   | \$88,837  | \$44,419   |          |
|                             | Ral Ral Avenue, Renmark               | \$39,900  | \$16,240   |          |

## East Terrace

Loxton Town Centre  
Before



# Appendix 3

| COUNCIL         | LOCATION                                 | \$ PLEC   | \$ COUNCIL | \$ DTEI  |
|-----------------|--|-----------|------------|----------|
| Robe            | Main Central Area, Robe                  | \$60,293  | \$30,147   |          |
|                 | Karatta Road, Robe                       | \$21,422  | \$10,711   |          |
|                 | Karatta Rd Stage 2, Robe                 | \$18,795  | \$9,398    |          |
| Streaky Bay     | Alfred Terrace, Streaky Bay              | \$13,037  | \$6,519    |          |
| Tatiara         | Woolshed Street, Bordertown              | \$132,666 | \$66,334   |          |
| Tumby Bay       | Tumby Bay Stage 1                        | \$58,733  | \$29,367   |          |
|                 | Nth Terrace, Tumby Bay                   | \$142,400 | \$71,200   |          |
| Victor Harbor   | Torrens/Victoria Street, Victor Harbor   | \$60,000  | \$30,000   |          |
|                 | Hindmarsh Road, Victor Harbor            | \$124,000 | \$66,000   |          |
|                 | Flinders/Eyre Terrace, Victor Harbor St1 | \$60,000  | \$30,000   |          |
|                 | Franklin Pde, Victor Harbor              | \$687,700 | \$343,851  |          |
| Wakefield       | Main Street, Blyth                       | \$126,330 | \$63,165   |          |
|                 | Princes Highway, Pt Wakefield            | \$80,040  | \$24,500   | \$46,520 |
| Wattle Range    | Church Street, Penola                    | \$113,500 | \$51,500   |          |
|                 | Portland Street, Penola                  | \$186,000 | \$93,000   |          |
| Whyalla         | Playford Avenue St1, Whyalla             | \$199,800 | \$99,900   |          |
| Yankalilla      | Jetty Road, Normanville                  | \$149,065 | \$74,532   |          |
| Yorke Peninsula | Main Street, Pt Victoria                 | \$57,753  | \$39,849   |          |
|                 | Main Street, Minlaton Stage1             | \$403,667 | \$201,833  |          |
|                 | Commercial Centre, Pt Vincent Stage1     | \$143,505 | \$71,753   |          |
|                 | Edith Street, Edithburgh                 | \$288,127 | \$144,064  |          |
|                 | First Street, Ardrossan (South side)     | \$102,000 | \$48,000   |          |



After

# Committee membership 1990 - 2005

The Committee comprises eight members representing the interests of each group listed below. The members serving on the Committee since 1990 are listed under their respective interest group.

## **Department of Environment and Heritage (or its equivalent);**

Dr Andrew Lothian; 1990 –

## **Department for Transport (or its equivalent);**

Mr John Ledo; 1990 – 1994

Mr Trevor Argent; 1994 – 1995

Ms Margy Andrews; 1995 – 2000

Ms Kerry McConnell; 2000 – 2003

Mr Tim Warren; part 2003

Ms Margy Andrews; 2003 – 2005

Mr Leigh Dalwood; 2005 –

## **Tourism interests;**

Mr Ian Holland; 1990 – 1995

Hon Glen Broomhill; 1995 – 2004 (Deputy Chairperson)

Hon Jennifer Cashmore AM; 2005 – (Deputy Chairperson)

## **The Local Government Association of South Australia;**

Mr Eric Clothier; 1990 – 1993

Ms Vini Ciccarello; 1993 – 1996

Mr Tim Potter; 1996 – 2004

Mr Ivan Brooks; 2005 –

## **Conservation interests;**

Mr Gerhard Weissmann 1990 – 1995

Ms Margaret Lee 1995 –

## **Network Licensee (ETSA Utilities or its equivalent);**

Mr Brian Barker; 1990 – 1995

Mr Craig Cock; 1995 – 2005

## **Community representatives (two);**

Ms Molly Byrne OAM, Chairperson; 1990 - 1991

Mr Murray Glastonbury JP; 1990 – 1993

Hon Glen Broomhill; 1991 - 1995 (Chairperson)

Mr John Thomas; 1993 – 1995

Hon Roger Goldsworthy AO; 1995 – 2004 (Chairperson)

Ms Diana Harvey; 1995 –

Hon Dr Rosemary Crowley; 2005 – (Chairperson)

## **PLEC Administration**

PLEC Secretary

Mssrs Brian Allen and Terry Parker provided short-term secretarial services until the appointment of Mr Rod Wright who served the Committee from 1990 - 1994

Mr Ron Ritzau; 1994 – 1995

Mr Kevin Hamilton; 1995 - 2000

Executive Officer PLEC

Mr Stuart McPherson; 2000 –



# Committee membership 1990 - 2005

"The Power Line Environment Committee during the 1990s was very conscious of its responsibility towards improving the visual environment of (mainly) urban South Australia. The Committee's role, on behalf of the State Government, was working with ETSA Utilities and Local Government in funding 'engineering' projects that enabled the community, through its Councils, to beautify urban streets. A conscious effort was made to maintain a balance between funding country and metropolitan projects.

Following the removal of power lines, Council could upgrade its infrastructure and the visual amenity of the street. The opportunity to plant appropriate trees along the streetscape was seen as a major benefit (but not always essential). Every Council needs to plan its streetscape according to the needs of the local community; hence substantial community consultation is an important part of the process.

Some of the projects that I believe were particularly successful include:

**Norwood Parade** - a main thoroughfare to the city needing to maintain its vibrant shopping appeal and its "café culture". Planting of medium sized trees where there was not much room for extensive greenery resulted in a compromise between a leafy-green and utilitarian roadway.

**Pulteney Street/Unley Road/Belair Road** – a main thoroughfare crossing three Council areas where some sections of the road had ample room for streetscaping but other sections focused on achieving efficient traffic flow and street lighting through constricted commercial areas.

**Port Augusta** – although a smaller project, Council was keen to maintain the 'gateway town' appearance with a special streetscaping focus on local trees that use minimal water whilst maintaining the parking and shopping strip focus.

**Sir Donald Bradman Drive and Henley Beach Road** – where the Transport department has worked closely with Councils, ETSA Utilities and PLEC to improve the visual impact for visitors particularly from the airport.

"I congratulate ETSA Utilities, Local Government and the DTEI (formerly Transport SA) for working so closely with PLEC to improve the visual environment of SA. Without their financial support and goodwill, the program would not be the success story we are now seeing around the State."

**Kevin Hamilton**  
**Secretary PLEC 1995 – 2000**

## **Power Line Environment Committee**

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