

**STREET TREE SELECTION -
NOT A DECISION TO BE TAKEN LIGHTLY**



**Street Tree Selection -
Not a Decision to be Taken Lightly**

- **Benefits of Urban Trees**
- **Functional Limitations to Selection**
- **Performance Criteria for Street Trees**
- **Alternatives to Planting under Power Lines**
- **Trimming methods**







Benefits of Urban Trees

Environmental

- Purify Air - reduced asthma
- Reduced stinging eyes
- Purify Water - Lower water table
- Provide Food - Permaculture
- Interception & Deflection of sunlight & heat
- Increase Humidity - reduce Air temperature
- Control Winds - wind tunneling
- Dust

Reduce Glare & Reflection

Noise reduction - in conjunction with mounding





Benefits of Urban Trees Cont.

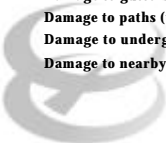
- Aesthetic
- Emphasis seasonal change
- Accentuate boundaries, distance & movement
- Define space - Tunnel like canopies
- Walls of trunks
- Link visual elements
- Screening - Privacy & protection
- Wild life Habitat
- Economic Value - Increase property value
- Potential income (tourism, timber, fruit)
- Council asset
- Carbon Credits





Performance Criteria for Street Trees

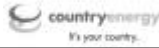
- Not obscure Traffic / Pedestrians - Car impacts
- Sightlines
- Not interfere with overhead services - Powerlines
- Phone lines
- Cable TV
- Not have invasive or Buttressed Roots
- Damage to gutters & road surface
- Damage to paths (trip hazard)
- Damage to underground services
- Damage to nearby Building footings

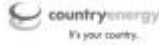
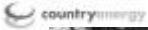




Performance Criteria for Street Trees Cont.

- Not block cars, car doors or pedestrians**
- Not drop excessive or difficult debris - Large leaves on Plane trees**
- Smelly fruits on Ginkgo tree**
- Not drop soft fruits or flowers (slip hazard)**
- Not drop large branches or sap on parked vehicles**
- Not cause allergic reactions**
- Not compete with lawn cover**








Performance Criteria for Street Trees Cont.

TOLERATE

- Range of seasonal conditions**
- Pruning & root pruning**
- Sunburn**
- Trunk, collar & root wounds**
- Poor soils / fill & road base**
- Vandalism**
- Drought / Water-logging**
- Suitable to local environmental conditions (i.e. known to grow in local area)**
- Have predictable dimensions**
- Have aesthetic qualities**
- Support desirable birds & wild life**



countryenergy



The Ideal Street Tree

countryenergy
It's your country.

countryenergy

Functional limitations to Tree selection

- Width of nature strip
- Clearance to services
- Width & classification of roadway
- Close access for Garbage Trucks, Street sweepers & Buses
- Environmental conditions including Pollutants
- Vandalism
- Public safety, concealment of prowlers
- Traffic safety
- Council exposure to legal liability
- Council budgetary concerns - maintenance costs, including trimming under power lines

Inevitably there is a conflict between aesthetic ideals & functional requirements.

countryenergy
It's your country.

countryenergy

Alternatives to Planting under Power lines

- Community project to fund -:
 - Relocate Power lines
 - Underground Power
 - Aerial Bundled Cable (ABC)
- Urban forestry Projects in Lieu of Street trees
- Only plant on side of road were there are no Power lines
- Plant small trees offset to Power lines -:
 - Blisters in roadway
 - Median strips
 - Planting in private Front Yards

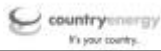
countryenergy
It's your country.

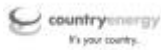


TREE TRIMMING METHODS.

WHY TRIM TREES NEAR POWERLINES?

- Public Safety.
- Bushfire Prevention.
- Reduce Power Outages.
- Comply with Statutory Requirements







WHY HAVE WE CHANGED OUR TREE TRIMMING METHODS?

- We have better advice & qualified tree trimming contract staff.
- New methods are better for the tree.
- They comply with Australian Standard AS4373.
- They comply with "The International Society of Arboriculture" code of practice.
- In time the new methods will help improve the overall shape & flowering of street trees.

