

## Summary of Recommendations including Priority, Cost and Timing

Priority	Cost	Timing	
<b>ELECTRICITY RECOMMENDATIONS</b>			
1	\$0	Soon	Financial Services database to include tariff and kilowatt hours and location information.
3	\$0	Soon	Business unit managers to have access to their energy information.
3	\$0	Soon	Business unit managers to report their energy demand.
1	\$0	Soon	Undertake a review of existing energy audits that have been produced for TCC.
1	\$???	Future	Where feasible, implement the recommendations of these energy audits.
3	\$Medium	Future	Undertake further energy audits to determine where cost savings can be made.
2	\$Medium	Soon	Council should implement the recommendation of the Dalrymple Road Energy Audit.
<b>WASTEWATER RECOMMENDATIONS</b>			
1	\$Low	Soon	Investigate the use of Australian and international sewer and non-sewer wastewater treatment technologies.
1	\$0	Soon	Support the push to amend State legislation that currently prohibits the use of non-sewer technology in sewer areas.
2	\$Low	Soon	Survey the public for their support of non-sewer options to waste water treatment.
3	\$0 - \$Low	Future	When wastewater treatment pumps are to be replaced use energy efficient units.
<b>VEHICLES RECOMMENDATIONS</b>			
3	\$0	Soon	Fuel efficiency should be a factor in the decision to purchase or lease new vehicles.
3	\$Low	Future	Petrol vehicles should be converted to gas where the economics are favourable
1	\$???	Future	TCC should agree to fuel its diesel vehicles with biodiesel
3	\$0	Soon	Vehicles should be maintained in good working order and driven in an energy efficient manner.
1	\$0	Soon	TCC should investigate the economics of purchasing hybrid vehicles now on the Australian market.
1	\$0	Soon	TCC should conduct an assessment of vehicle trips to identify underlying patterns.
3	\$0	Soon	TCC should promote car pooling so that staff are rewarded for sharing travel costs.
1	\$0	Soon	TCC should ensure that public transport has a high priority in the Planning Schemes currently under development.
<b>WASTE MANAGEMENT RECOMMENDATIONS</b>			
3	\$High	Future	TCC should adopt the process of methane capture from its landfill sites.
1	\$0	Soon	Investigate separation of biological wastes for the use in a biogas plant to produce electricity.
3	\$0	Soon	Council should promote local industry to make use of the recyclable or reusable wastes.
<b>BIODIESEL RECOMMENDATIONS</b>			
3	\$0	Soon	All new diesel powered vehicles purchased by TCC should be selected with an eye on their fuel consumption.
1	\$???	Future	TCC should promote the introduction of biodiesel to Townsville by using this fuel instead of petrodiesel
3	\$0	Soon	All diesel powered vehicles should be maintained in peak running order to maximise the efficient use of their fuels
3	\$0	Future	TCC should request that its service providers examine the benefits of biodiesel as an alternative fuel for their fleet.
2	\$Low	Future	Upon adopting biodiesel, TCC should advertise to the public and to neighbouring councils the benefits of biodiesel.
2	\$0	Soon	Council should implement a process of continual improvement to progressively reduce the amount of fuel used in its operations.
<b>FINAL RECOMMENDATIONS</b>			
1	\$High	Soon	Employ specialist staff dedicated to energy and greenhouse management.
2	\$Medium	Soon	Join Cities for Climate Protection and other ICLEI programs.
3	\$0	Soon	Investigate the role of existing revegetation programs as part of TCC's response to global warming.
1	\$0	Soon	Draft the Planning Schemes to promote the use of alternative energy and water technology.
1	\$0	Future	TCC should lead by example to assist Townsville to become the prototype city.

### PRIORITIES

**Priority 1** - Greenhouse gas and/or dollar savings make this recommendation high priority.

**Priority 2** - These suggestions are worthwhile investments but should not be done at the exclusion of Priority 1 recommendations.

**Priority 3** - These are dependent on developments proposed in Priorities 1 & 2 or are of lesser importance.

### COST

**\$0** - These are recommendations for which there is no monetary cost. These include primarily changes to management practices. This also includes actions that replace other actions already proposed such as the replacement of old machinery with energy efficient versions.

**\$???** - It is not possible to assess the cost of these actions due to incomplete information or because of the speculative nature of the recommendation.

**\$Low** - These are actions for which there is some identifiable dollar cost which is in the tens to hundreds of dollars.

**\$Medium** - These are actions that rely on the outlay of some dollars in the low thousands.

**\$High** - These are recommendations for which there could be dollar costs above the low thousands. It is recommended that further investigation be undertaken to confirm the true outlay required.

**Note:** The basis of this report is that all costs can be recouped within reasonable time frames through the reduction in operating costs to council.

### TIMING

**Soon** - This recommendation could be undertaken in the near term as part of normal council operations.

**Future** - This recommendation cannot be undertaken until other actions have been performed or until products become available on the market.