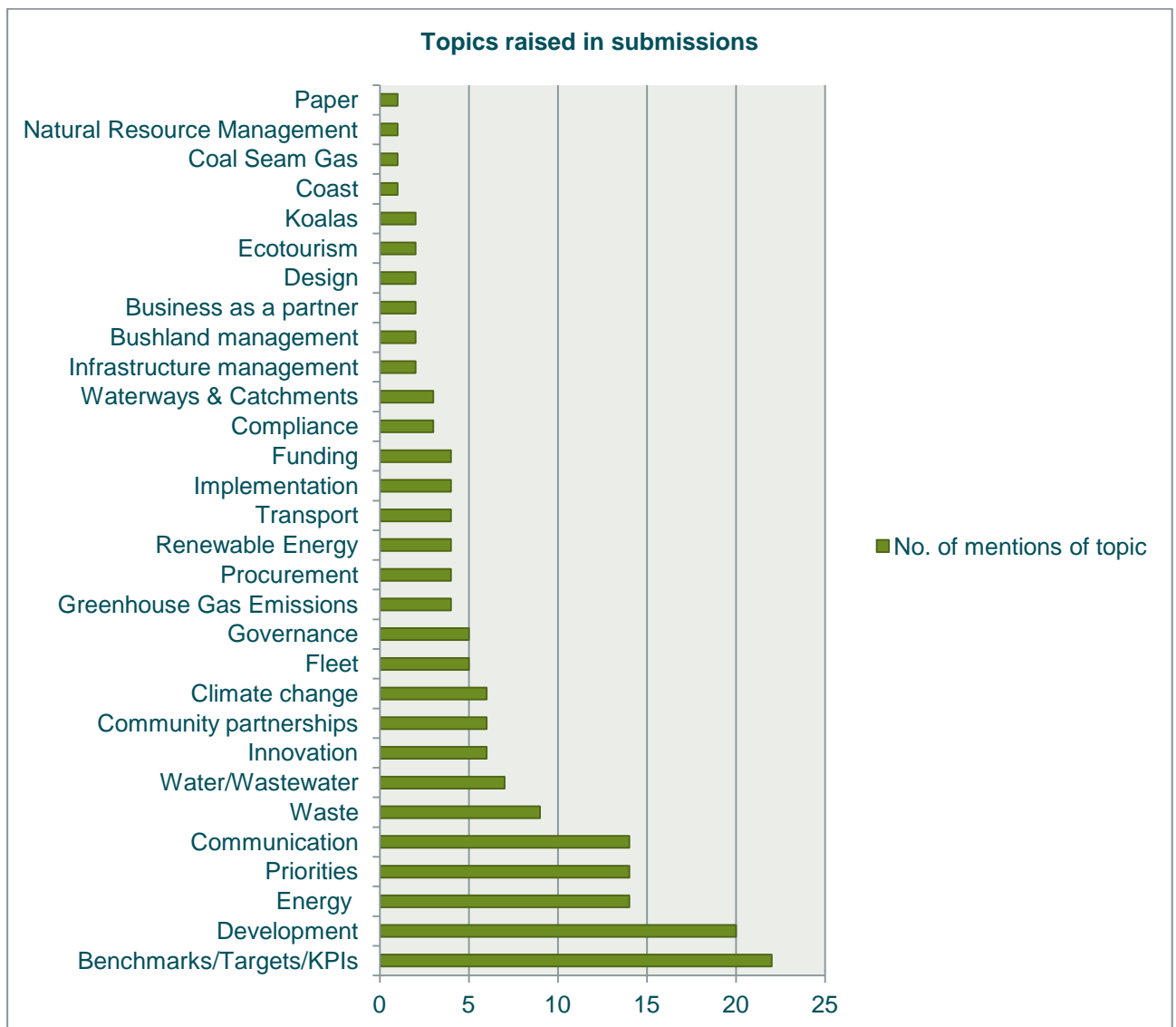


### List of Submitters

Abedrabbo, A.  
 Anonymous x 2  
 Bourke, SK - Cabarita Beach/Bogangar Residents Association  
 Brook, C.  
 Cord, J.  
 Gillespie, S.  
 Girvan, B.  
 Holdom, D. - Kingscliff Ratepayers and Progress Association  
 Haywood, P.  
 Lockhart, E.  
 Lofthouse, J.  
 Mallee, J.

Masters, C.  
 Morgan, P.  
 Murray, R. - Tweed Heads Environment Group Inc.  
 Ostrenga, T.  
 Palmer, C.  
 Reid, G - Tweed Climate Action Now  
 Roberts, C. - Tweed Landcare  
 Smith, J.  
 Thomas, B.  
 Turnbull, J.  
 Turner, P.  
 Yeomans, A.  
 Young, J.



**Detailed Submissions**

Submission No.	Topic	Issue
1	Improve the strategy format	The way the report is set out the environment should not be just a subset, the last one on the list. Surely health of our environment governs all outcomes. There's too much emphasis on balancing competing interests. There's only one way forward that will secure our future and our children's - looking after the environment.
1	Improve the strategy format	Put caring for the environment top of the list not relegated to last as it appears
1	Support for the strategy	Goal setting, monitoring of outcomes, covering all Council's activities, very comprehensive
2	Support for the strategy	We encourage Council to adopt the Strategy and implement the prioritisation of resources for the benefit of the Tweed's environment.
3	Improve targets/KPIs/benchmarks	For example one of the lead actions in the draft is for Council to 'develop and implement a climate change action plan', but it has not included an emissions reduction target.
3	Improve targets/KPIs/benchmarks	Falls short in setting broad based sustainability goals.
3	Improve targets/KPIs/benchmarks	Narrow or vague targets and no overall aspirational goal to achieve an end point that would be defined as ultimately sustainable.
3	Improve targets/KPIs/benchmarks	Targets as per Cr Milne's suggestions
3	Improve targets/KPIs/benchmarks	Without broad targets and timeframes to specify the goals that define sustainability there will be no accountability, no time limits and no end in sight.
3	Improve targets/KPIs/benchmarks	[Wide range of environmental issues in the strategy] Mostly have narrow or vague targets and no overall aspirational goal to achieve an end point that would be defined as ultimately sustainable.
4	Improve water/wastewater management	TSC seems to be going well with water management but I would like to see more waste water harvesting and planning changes to ensure new housing developments are required to have 10,000 lt. water tanks and water recycling within their properties to decrease the amount of water needed. Will save millions in provision of extra water without building a dam.
4	Improve fleet management	Start purchasing electric cars (yes, I know they are more expensive)
4	Implementation	It would be great to see TSC reflect this region's great natural beauty and its quite high percentage of the community with a keen interest in environmental sustainability in this document. It would be good for us to be positive role models and leaders in protecting, preserving, being innovative and making good environmentally sustainable decisions for our air, water and land.

Submission No.	Topic	Issue
4	Improve renewable energy management	IN SHORT I THINK A LOT MORE COULD BE DONE RE RENEWABLE ENERGY INITIATIVES AND UPTAKE OF INNOVATIVE WAYS OF RECYCLING AND REUSE AND MAXIMISING HARVESTING AND USE OF WATER. I'd like to see us leaders with Environmental and Sustainable practices like Lismore Council is. Thank you to the staff of TSC for the highly regarded work you already do, but there is room for plenty more in this sector.
4	Improve renewable energy management	I would like to see Council do all it can to progress solar PV on TSC buildings and installations.
4	Improve renewable energy management	I would like to see TSC have a goal to be 100% renewable energy by 2020 (I think it is) like Lismore Shire does. If this is too soon, to set a progressive do-able goal.
4	Improve targets/KPIs/benchmarks	Incentives and support for business and community take up of solar On going
4	Improve targets/KPIs/benchmarks	Optimal goal for reuse and recycling of waste materials say 5 years
4	Improve targets/KPIs/benchmarks	Divestment of financial investment in institutions loaning to fossil fuel industry 2 years
4	Improve targets/KPIs/benchmarks	Take up of Innovative science to maximise environmental sustainability On going
4	Support for the strategy	Any initiatives that increase the use of renewable energy
4	Support for the strategy	Sustainable agriculture goals and strategies already employed
4	Support for the strategy	Recycling and reuse strategies
4	Improve waste management	Develop innovative projects like Lismore has at the Waste and Recycling centre
4	Improve renewable energy management	We should be capturing methane or other innovative technologies that are out there for vehicles to run on
4	Improve targets/KPIs/benchmarks	I would like to see the Council's Environmental Sustainability strategy set specific broad-based sustainability goals.
5	Improve engagement	Get the community involved. Get the community to help out with things that could help the environment such as planting trees and picking up rubbish. Two days of the year which I love are clean up Australia day and plant a tree day but I believe these sorts of things need to be happening monthly not just once a year.

Submission No.	Topic	Issue
6	Improve renewable energy management	Use of more solar & environmentally friendly energy generation
6	Improve renewable energy management	Review the Revolving Energy Fund
6	Improve fleet management	Fuel use and efficiency
6	Improve communication	Promote the benefits, values and contribution [of Council's environmental management] to the community
6	Improve waste management	Strategies to reduce illegal dumping
6	Improve bushland management	Better funding. Extension on noxious weeds issues. Feral animal control.
6	Improve energy efficiency/ communication	Retrofit lighting (has it worked?)
6	Improve waste/ renewable energy management	Waste - energy production from landfill
6	Support water/ wastewater management	Rebates for plumbing devices
7	Improve implementation/ communication	Small staff initiatives such as turning lights off or computers. Requires positive interaction with staff. Recent negative staff management initiatives such as random saliva testing & other disciplinary actions in recent years mean no cooperation from staff on these small initiatives
7	Support natural resource management	Development of NRM Unit. Biggest growth area of Council in terms of staffing.
8	Improve natural resource management	Project prioritisation - need values put on natural assets
8	Improve climate change response	Climate change action & preparedness -need adaptability and improved capacity for adaptability
8	Improve communication	Ongoing training for staff on what 'they' can do individually
8	Improve prioritisation	Audits & prioritisation to work out where best 'bang for buck'
8	Improve asset management	Asset management & building management
8	Improve	Change rural subdivision to rural diversification

Submission No.	Topic	Issue
	strategic land use planning	
8	Support for energy management	Getting better at energy management in facilities where there is capacity for investment - not so good where funds not available
8	Commend prioritisation	Where small changes make big gains - promote these & look for other opportunities
9	Improve civic/civil design	Design guidelines for public infrastructure
9	Improve development control	Design incentives through development assessment. Currently no real incentives to encourage sustainable urban design
9	Improve fleet management	Vehicle use - fuel & selection of types of vehicles
9	Improve civic/civil design	Apply urban design guidelines more rigorously to Council infrastructure
9	Improve development control	Urban design guidelines/perhaps development bonuses
9	Improve procurement	Review of procurement policy
9	Improve procurement	Consideration of sustainability level of products/services when engaging/purchasing
9	Improve energy efficiency/waste management	Resource recovery - basic energy consumption behaviour, recycling, worm farm etc
10	Improve communication	Promote environmentally sustainable practices of Council as a "good business" example for businesses
10	Improve partnerships	Business as a partner in environmental sustainability - pollution prevention, waste minimisation & management, improved economic viability
10	Improve communications	Simple things for the masses - turning off lights, water efficiency, paper waste vs. reading off computer, better hand towels in bathrooms etc to allow only requirement amounts to come out
10	Support for Council's compliance	Government mandated changes to legislation etc
10	Commend Council's innovation	New technologies implemented e.g. methane capture, water treatment
10	Commend for prioritisation	Noisy type issues that affect the majority of users/residents e.g. waste management strategies, water quality/technology, stormwater
11	Improve energy	Improvement in energy use at large sites

Submission No.	Topic	Issue
	efficiency	
11	Improve	Renewable energies
11	Improve strategic land use planning	Planning controls
11	Commend water/wastewater management	Water demand management - programs to reduce our overall consumption, prolonging large capital works items
12	Improve communication	Community connection with nature
12	Improve	Energy efficiency in the offices
12	Improve	Fuel usage on council leased vehicles
12	Improve	Reduction in waste
12	Improve	Interaction between public, Council & natural environment
12	Improve	Energy audits
12	Improve	Reducing paper use
12	Commend	Regional coordination
12	Commend	Managing important environmental/natural resources
12	Commend	Skills development
13	Improve	Public transport
13	Improve	Reduce waste to landfill
13	Improve	Rural subdivisions
13	Improve	Business as a partner in environmental sustainability
13	Commend	Integrated coastline management
13	Commend	Water demand management
14	Improve	Removing barriers (DCP restrictions) to facilitate higher density
14	Improve	More use of renewable energy - make solar compulsory on new Council buildings
14	Improve	Reduce energy consumption - solar street lights in new subdivisions where permissible
14	Improve	Recycling needs to be increased - more opportunity to do so
14	Commend	LEP encouraging higher densities in existing urban areas
14	Commend	Reduction in energy usage for W&WW infrastructure
14	Commend	Environmental management is improving as awareness increases (compensatory planting, rehabilitation of degraded areas)
15	Improve	Identify and record sustainable practices
15	Improve	Identify - report/discuss
15	Implementation	Sustainability reporting sections in Council and EMT reports
15	Improve	Don't rest on what we do
15	Improve	Take it from 1 level to a higher level

Submission No.	Topic	Issue
15	Improve	Policy, development, community and environment. Improvements in these higher level areas will filter down into the way people think and perform.
15	Commend	Ones that are legislated or are law
15	Implementation	12 month trial will show up any faults and possible improvements
16	Improve	Incentivising energy efficiency internally & externally
16	Improve	Infrastructure projects - solar, wave power & more battery based tools & machines to reduce fuel use
16	Improve	Local product procurement focusing on local low energy input products & renewable resources
16	Improve	Capital works, implement planning controls, FOGO, public bushland, upper tweed riverbank stabilisation, private land assistance, KPOM, Pest animal strategy, Mozzie control, productive rural landscapes, e eff & re, cc action plan
16	Improve targets/KPIs/ benchmarks	Benchmark and measurable outcomes
16	Commend engagement	Natural resource extension to landholders to improve private and public land for the greater good.
16	Commend	Encouraging internal sustainable initiatives e.g. carpooling
16	Commend	Sustainable fleet options
16	Commend	Service procurement focusing on local providers
16	Support for the strategy.	Colours. Nice summary of existing programs, good stimulus of discussing and measuring potential improvements
17	Improve economic development/ engagement	Sustainable tourism - get community more engaged in Tweed's natural resources
17	Improve communication	That's all we expect from developers/community - why don't we promote how good things can/could be e.g. not just build a road that meets standards - improve it to have bike lanes/footpaths wider/trees/parks etc
17	Improve targets/KPIs/ benchmarks	Lets aim for best practice not just meeting standards
17	Improve transport	Public transport - buses b/w Tweed/Mbah
17	Improve transport	Bikeways - better road design to include wide shoulders for bikes
17	Improve communication	Internal education
17	Improve development control	Subdivision policies to provide better protection of natural resources

Submission No.	Topic	Issue
17	Improve	Community awareness/involvement
17	Implementation	More personal involvement and key stakeholders - people need to feel it can be used & they were involved. If not, it may just stay in a bookshelf
17	Commend	Waste management - education officer in teams & innovation
17	Commend	Natural resources waterways innovation - catchment management
17	Support for the strategy	That it exists and provides a focus for Council to commence improvements across the board
18	Improve development control/ Implementation	Codify the ESS principles in legislation [Paraphrased]
18	Implementation	Incorporate contribution to ESS as a KPI for senior management, directors and GM. [Paraphrased]
18	Implementation	There is no point in having a strategy or policy that can be ignored or easily circumvented. [Paraphrased]
18	Implementation	The draft environmental sustainability (ES) strategy needs to have several more lead actions included for it to have any real effect.
19	Improve communication	Plain English community consultation and engagement process for Environment Levy consultation
19	Implementation	Independent review by internal auditor, produce a cost benefit analysis, deliberated by audit committee, public report by audit committee for reporting to general public
19	Implementation	Review in conjunction with new Council term
19	Improve communication	Most people [that attended] the Murwillumbah session, had no idea the Strategy focused on Councils desire to become more sustainable in their own operations
19	Improve engagement/ communication	[Lack of public understanding of strategy scope] could have been researched by a random telephone survey to illicit a broader audience and responses and perhaps in doing so could have got the message out there about Councils intention of the Draft ESS.
20	Improve targets/KPIs/ benchmarks	Targets as per Cr Milne's suggestions
21	Improve economic development	The facilitation and support of Ecotourism as a necessary and beneficial aspect of the Shire's operations.
21	Correction	Include the whole shire in the gas-field-free status, not just rural areas
21	Strategy format	Include information about the wonderful photographs (where, when, what)
21	Implementation	More examples of how the principles will be achieved



Submission No.	Topic	Issue
21	Improve targets/KPIs/benchmarks	Propose KPIs for all aspects, even if stated as draft and unapproved
21	Support for the strategy	Well rounded, balanced, and considered strategy, not trying to "boil the ocean" but making significant positional statements about the intents and foundations of decision making within the Shire Council. Excellent presentation, good language, easily understood, really well put together - impressive! (I work in corporate management consulting and I wish I saw this level of quality in my daily work life!)
22	Improve compliance Improve development control	Whilst the lack of resources available to challenge and or prosecute offending developers is understood it is suggested that methods of addressing Integrated Water Management and Water Sensitive Design be incorporated and a condition of compliance in all D.O.s (developers to sign to conditions). This could be kept simple as in current stormwater management for urban blocks but more stringent for development including riparian and steep land. Prevention is far better and cheaper than restoration.
22	Improve water/wastewater management	It would be crazy to negate [the awards won for Byrrill Creek rehabilitation] with a new dam for which there is no need if IUWM and WSUD is standard practice.
22	Improve water/wastewater management	Raising Clarrie Hall dam would have less environmental impact if more storage has to be found.
22	Improve koala management	The koala plan of management needs full funding and implementation whilst we still have some koalas left!
22	Improve waste management	Food organics collection: I am not familiar with the current viability of domestic paper and cardboard collection. Council could consider including these materials in any organics collection (as in Lismore). It may be advantageous overall? Certainly worth funding organics collection to reduce greenhouse emissions from landfill.
22	Reduce greenhouse gas emissions	Low Carbon economies, Effective technologies.
22	Reduce greenhouse gas emissions	As an advisor in energy efficiency and environmental sustainability It is valuable to emphasise that practising the above is not an imposition. It is nearly always a win-win for environment and the pocket.
22	Implementation	Would this ease prosecution for non-compliance?
22	Implementation	"Establishment of a staff group to ---Encourage integration of environmental sustainability principals into day to day service delivery" I consider this a high priority
22	Improve targets/KPIs/benchmarks	Worth establishing KPI for Objectives currently lacking them

Submission No.	Topic	Issue
22	Improve development control	I suggest that IUWM and WSUD be considered for every development, relative to size and impact of course. Worth funding.
22	Improve development control	Vision statement on all development application forms. Developers to sign agreement to use best practice to minimise environmental impact during and after works/construction (as above).
22	Improve water/wastewater management	Dual reticulation should be standard for all new major developments such as King's Forrest and Cobaki Waters. Recycled water use encouraged for irrigation.
22	Improve development control	Action 4.10: All part of WSUD and IUWM as mentioned previously. Cost to developer in all new developments. Worth funding to maintain or improve streamwater quality and urban environment. New Gold Coast developments eg Pimpama Coomera are great examples of WSUD and IUWM.
22	Implementation/ Improve development control	Alignment, Impact and Co-benefits: These three Criteria could also be used (with some adaption) as part of environmental considerations for all new developments, not just Councils actions.
22	Improve renewable energy use	Currently only partially funded and yet adoption of efficiency and renewable energy can give short returns on investment. It is a win-win. Lismore and now Byron have set goals for a zero carbon footprint. Tweed can do the same and work with community groups such as Tyalgum off the Grid.
22	Improve partnerships	Renewable power systems for Council assets may be funded by community investors meaning little outlay for Council to facilitate cheaper and renewable power.
22	Improve communications	Tweed is a biodiversity hot spot, Basic Ecology information as part of all staff induction, needs funding now.
22	Improve communications/ engagement	Staff induction to facilitate the above * is timed for 2017. I believe staff induction is a priority in order to facilitate the sustainability plan effectively. Ideally it should be funded now and not left till 2017.
22	Improve development control	All new blocks to have northerly solar access wherever possible to facilitate passive solar homes.
22	Support	<i>Integrate public transport.</i> Important and worth funding to improve and encourage use of public transport.
22	Improve development control	Improve urban design: Discourage the 'house facing the street' convention where practical.
22	Improve targets/KPIs/ benchmarks	Protect the environment and natural beauty of the Tweed: Include NO loss of current Natural Resources. Prevention better than cure!

Submission No.	Topic	Issue
22	Improve targets/KPIs/benchmarks	Performance re. Solar orientation, WSUD, IUWM as KPI
22	Improve targets/KPIs/benchmarks	Suggest KPI is no loss of significant veg (eg. 7f and riparian veg): .
22	Improve targets/KPIs/benchmarks	“Strengthening the economy” Retain prime ag land. KPI is simple ie: No loss or better still and increase (flying pigs?) of prime ag land.
22	Improve targets/KPIs/benchmarks	KPI: same or improved streamwater quality
22	Improve targets/KPIs/benchmarks	Suggest KPI: K of waterway improved, MINUS those Ks stuffed up by Bormans Road type vandalism.
23	Improve climate change readiness	With an aging demographic in the Tweed there may be an associated decline in housing maintenance and quality. At low cost, Council can encourage and coordinate services to the elderly that help to safeguard physical health and reduce the impacts of climate extremes.
23	Improve partnerships	Tweed CAN offers advanced climatology expertise and experience in impact assessment at no cost to the Council
23	Improve climate change readiness	The plan neglects existing buildings representing the bulk of housing stock which [may] be the main source of damage in extreme climatic events. At low cost the council can prepare advisory publications which encourage residents to apply maintenance and upgrades that will reduce damage, energy use, insurance costs and adverse impacts on rateable values. Tweed CAN would like to assist with such publications.
23	Improve partnerships	Rather than reinventing the wheel or using generalised modelling of limited utility the council can draw upon specialist expertise and experience within the community. Not only would this reduce the costs and time required to develop a climate change impact assessment but would produce location specific indicators of real planning value. Tweed CAN would like to offer its assistance in this regard.
23	Improve targets/KPIs/benchmarks	Does not include key benchmarks against which success of environmental sustainability might be monitored.
23	Improve targets/KPIs/benchmarks	Prevention is much lower cost than cure. A limited [environmental condition] benchmark survey would have the effect of avoiding degradation by giving notice to significant developers that safeguards must be of a high standard. A benchmark would also give a point of reference or KPI for gauging the success of the Environmental Sustainability Policy over time
23	Improve targets/KPIs/benchmarks	Use Council's testing laboratory to conduct a gradual minimum survey [to monitor] pollution of air and water or other forms of environmental degradation unless benchmark records are available to prove an initial absence of degradation

Submission No.	Topic	Issue
23	Improve targets/KPIs/benchmarks	Annual sampling and analysis
23	Commend	The plan recognises that improved building standards can reduce climate change impacts.
23	Commend	The plan recognises that climate change will impact the shire and calls for an assessment of the impact.
23	Support for the strategy	Wide scope with a range of identified actions and potential actions
24	Support for the strategy	Please adopt and budget for implementation of the Environmental Sustainability Strategy as soon as possible.
24	Improve energy management	A lead action in the Strategy that I see as priority for implementation is 1.6 Increase energy efficiency and use of renewable energy. Implementation of this action can lead to significant financial savings for Council that would then enable funding of other actions in the Strategy.
25	Support for the strategy	1. Congratulations on your commitment to planning for the protection of the environment and the development of a comprehensive overview of current and possible activity. The framework used is very professional and ensures at least an attempt to link council activity with the full range of environmental criteria.
25	Improve targets/KPIs/benchmarks	2. Generally we noticed a number of generalisations about responses to quite specific areas of activity. In particular, many of the KPIs at the end of Part A are not KPIs, rather they are policy guidelines. Many points do not have KPIs indicated. e.g. Expand employment, tourism and education opportunities – surely data for the last 5 years on this is available to form a bench mark?
25	Implementation	3. The funding column for the table in Part B does not present an optimistic picture and calls into question the viability of the entire strategy. Given this, should the unfunded segments be noted in a separate section as future areas for inclusion? This indicates you recognise their validity but realistically acknowledge the limitations TSC faces, especially because of funding.
25	Improve targets/KPIs/benchmarks	4. Is it possible to include 2010-14 benchmarks against the areas of activity which could then be cross referenced by the public when items are reviewed in the next report?
25	Implementation	5. Is there a layer of implementation planning behind this document that gives clearer guidance for specific activity and achievement measures?
25	Recognise local priorities	6. The key environmental issues that we feel are important for our village of Cabarita are: <ul style="list-style-type: none"> <li>• protection of the coastal environment;</li> </ul>
25	Recognise local priorities	<ul style="list-style-type: none"> <li>• extend incentives to replace plastics, and extend education about recycling;</li> </ul>
25	Recognise local priorities	<ul style="list-style-type: none"> <li>• maintenance of the dunes, their flora and fauna;</li> </ul>

Submission No.	Topic	Issue
25	Recognise local priorities	<ul style="list-style-type: none"> <li>enhanced sustainable use and appreciation of the natural resources through recreational trail development;</li> </ul>
25	Recognise local priorities	<ul style="list-style-type: none"> <li>attract ecologically sound commercial and residential development;</li> </ul>
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25	Recognise local priorities	<ul style="list-style-type: none"> <li>attract ecologically sound commercial and residential development;</li> </ul>
25	Recognise local priorities	<ul style="list-style-type: none"> <li>enhance the wetland / lake environment;</li> </ul>
25	Recognise local priorities	<ul style="list-style-type: none"> <li>improve ocean water quality;</li> </ul>
25	Recognise local priorities	<ul style="list-style-type: none"> <li>extend anti litter strategies;</li> </ul>
25	Recognise local priorities	<ul style="list-style-type: none"> <li>reduce the use of commercial chemicals in agriculture.</li> </ul>
25	Improve partnerships	We would be eager to participate in the development of relevant projects for our area. Thank you for the chance to comment on this strategy.
26	Reduce greenhouse gas emissions	One of the key (high level) agenda items here
26	Improve prioritisation	A key principle for this item should arguably be to give priority to those projects and technologies that achieve the best value abatement, eg \$/tonne CO <sub>2</sub> e abated
26	Improve prioritisation	Council should avoid “picking winners” until reasonable analyses are completed.
26	Reduce greenhouse gas emissions	One idea that may effectively be a subset of the greenhouse gas abatement agenda is for council to allocate some of its resources to manage/facilitate a tree planting fund. In the absence of a national emissions trading scheme, such an idea may be attractive to many Tweed residents as a sensible, grass roots, alternative. This idea could be linked to other council programs, eg promotion of biodiversity (public & private land) & supporting community life – with consequent potential double & triple benefits which (ideally) would be factored into any cost/benefit analysis.

Submission No.	Topic	Issue
26	Improve bushland management	<p>At present, there are very few readily accessible well developed bushwalking tracks within the Tweed Valley (other than the Mt Warning/Wollumbin track) – despite its recognised environmental, world heritage &amp; biodiversity attributes.</p> <p>There is an opportunity for Council to facilitate development of many &amp; varied other tracks and associated/respective provision of access, within the valley for use by locals and visitors (Australian &amp; international). The direct benefits of such a program are manifold (similar to the proposed rail trail etc) – economic, healthy lifestyle, environmental awareness. A sensible starting point for such an initiative may be liaison with National Park representatives and local walking groups.</p>