



City of Belmont

Attachments

Standing Committee (Environmental) Meeting

**Held
18 September 2017**





Standing Committee (Environmental)

Item 10.1 refers

Attachment 1

**Environment and Sustainability
Strategy Progress**

ENVIRONMENT AND SUSTAINABILITY STRATEGY PROGRESS- ACTIONS IMPLEMENTED JUNE – AUGUST 2017

CHAPTER	ACTION	PROGRESS
1. CORPORATE PHILOSOPHY		
1.a)	Conduct an annual internal audit of the Environmental Management System	Annual audit scheduled for November - December 2017.
1.b)	Undertake an annual review of the Natural Belmont section of the Corporate Business Plan, Environment and Sustainability Strategy and environmental policies	<ul style="list-style-type: none"> • Input provided into 2017 Council Policy Manual Review, endorsed by Council on 22 August 2017. Amendments made to NB01 Environmental Purchasing Policy. • Input provided to review of Natural Belmont key actions for the Corporate Business Plan 2018.
1.c)	Raise Councillor and staff awareness of environmental issues and initiatives including seminars, workshops and training opportunities	<ul style="list-style-type: none"> • Officer attended Safety and Environment Advisory Team meetings (7 June & 7 August). • Councillors invited to the Light Industry Finalisation Workshop and Waste Wise Business Breakfast.
1.d)	Provide information and facilities to assist staff to reduce, re-use and recycle	<ul style="list-style-type: none"> • Best of "War on Waste" ABC TV series shown in staff lunch room-lunchtime 6 June (3 x 30 minute sessions). Approximately 20 staff attended in total. • Item included in June Team Brief promoting Plastic Free July, offsetting of the City's light vehicle fleet emissions through Carbon Neutral and the Green Vehicle Guide. • Plastic Free July 'Hot Topics' article included on Belnet and a staff Plastic Free July morning tea and talk by Lindsay Miles held on 29 June (30 attendees). • Updated signage installed on soft 'scrunchable' plastics collection container in staff kitchen. • Presentation to Home and Community Care (HACC) Support Workers on Friday 30 June on the 5 Rs of zero waste.
1.e)	Incorporate environmental considerations when planning major community events	"Choose to Refuse- Bring Your Own Coffee Cup" posters installed on the mobile coffee vans and recycling bins provided at Avon Descent

1.f)	Submit an annual groundwater monitoring report to the Department of Water, as per the Groundwater Licence Operating Strategy	<ul style="list-style-type: none"> Groundwater Licence renewed in August Major component chemical analysis undertaken 16 June (for groundwater licence) Annual report for groundwater licence submitted 31 August 2017
1.g)	When upgrading or installing new stormwater drainage infrastructure as part of major City projects, consider retrofitting to improve ecological and water quality outcomes	Officers attended a site tour of water quality and biodiversity improvements at Lake Mabel Talbot, City of Subiaco (25 July). Included a SPEL Baffle Box (visible, dry Gross Pollutant Trap where rubbish is held above the water), Jersey Street carpark biofilter, habitat creation, lake nature trail, algae management and environmental education. See links to: Mabel Talbot Reserve Management Plan and Wildlife Enhancement Plan 2014 – 2019
1.h)	Conduct annual check on compliance against commitments in: <ul style="list-style-type: none"> Memorandum of Understanding- Waterwise Council Program WA Local Government Climate Change Declaration Fishing Line Bin Memorandum of Understanding. 	Annual compliance check completed August 2017.
1.i)	Report annually to the Standing Committee (Environmental) on environmental performance	Refer Item 10.4
1.j)	Publish results on environmental performance in the City of Belmont Annual Report	Draft content on key achievements for 2016/17 compiled for inclusion in Annual Report.
1.k)	Ensure a risk assessment including consideration of environmental risks is undertaken when substantive change to an existing Council policy occurs, or a new policy is developed	Risk assessments ongoing in line with 2017 Council Policy Manual Review amendments. Assessments will include consideration of environmental risks
LAND USE PLANNING AND DEVELOPMENT CONTROL		
1.l)	Refer relevant development applications to the Environment Section for comment, and set conditions and/or include footnotes to minimise environmental impacts of development	<ul style="list-style-type: none"> Comments provided on the Development Application for Belmont Train Station. Advice provided in relation to environmental conditions of Subdivision approval- 9 The Esplanade (former Ascot Water Playground).
1.m)	Ensure the risk of exposure of actual or potential Acid Sulfate Soils is considered for all developments and apply conditions for further investigation and remediation if required	Advice provided in relation to dewatering and acid sulfate soils management for the Faulkner Civic Precinct Community Centre tender.

2. COMMUNITY AWARENESS, ENGAGEMENT AND BEHAVIOUR CHANGE	
2.a)	<p>Improve environmental practices of small- medium sized enterprises through the Business Environmental Assessment Project</p> <p>Total assessments:</p> <ul style="list-style-type: none"> • June: 23 • July: 21 • August: 12 <p>Three were joint assessments with Department of Water and Environmental Regulation (DWER), as part of the Light Industry Program.</p>
2.b)	<p>Undertake targeted environmental assessments of businesses located within catchment areas contributing towards high nutrient/non-nutrient contaminant levels identified through the City's Stormwater Monitoring Programme</p> <ul style="list-style-type: none"> • Light Industry Program Finalisation Workshop held on 24 August. The program has been extended by an additional year (funded by state government/ DWER). • Officer provided advice to Planning Services in relation to the following: <ul style="list-style-type: none"> ○ Draft LPP16 – Service Station <ul style="list-style-type: none"> ○ 159 McDowell St ○ 172 Kewdale Rd ○ Policy. <ul style="list-style-type: none"> ○ 194 Great Eastern Hwy ○ 11-15 Mackay St <ul style="list-style-type: none"> ○ 204 Great Eastern Highway ○ 6-8 Ferguson Street <ul style="list-style-type: none"> ○ 472 Great Eastern Highway ○ 6-8 Noble St <ul style="list-style-type: none"> ○ 485 Great Eastern Highway ○ 26-28 Miles Road <ul style="list-style-type: none"> ○ 521 Abernethy Road ○ 12 Bradford St <ul style="list-style-type: none"> ○ 634 Casella Place ○ 21 Robinson Ave ○ 24 Redcliffe Road
2.c)	<p>Continue partnerships with SERCUL, Perth Airport and environmental volunteers, including ongoing attendance at relevant meetings</p> <ul style="list-style-type: none"> • Officers attended: <ul style="list-style-type: none"> ○ Perth Airport Bird & Animal Hazard Management Committee Meeting (7 June)- Included a presentation from the WA Museum on Black Cockatoos. For more information refer www.cockatooocare.com.au ○ Airport Consultative Environment and Sustainability Group meeting (17 August)
2.d)	<p>Recognise local businesses for significant environmental achievements through an annual recognition event and promotion in Case Studies Information Sheets</p> <ul style="list-style-type: none"> • Advertisement and promotion of the Environmental Achievers Program for Business and 2017 Recognition Event (Waste Wise Business Breakfast). Presentations include topics of: <ul style="list-style-type: none"> ○ ORCA Food Waste Digester. ○ Electronic Waste, Secure Data Destruction and Office Waste Recycling Initiatives. • Two nominations received and site visits undertaken.

2.e)	Participate in the 'Switch your thinking' programme that aims to inspire sustainable action in the local community; through facilitation of events, provision of up to date and locally relevant information and a "Rewards for Residents and Businesses" discount program on sustainable products and services	<ul style="list-style-type: none"> • New offers launched through Rewards for Residents and six week advertising series booked in Southern Gazette from 27 June- 1 August. • "How I Live a Plastic Free Life" talk by Lindsay Miles held on Tuesday 27 June, with 18 attendees.
2.f)	Encourage residents to adopt fertilise-wise and waterwise gardening practices by organising garden demonstrations and workshops, offering compost bins and worm farms at cost price and providing information at community events	Environment and Urban Forest Displays- Avon Descent: Sunday 6 August: 750 tubestock given out.
2.g)	Organise environmental events/ activities including for schools and community groups to promote values of the natural environment and increase volunteer involvement in natural areas	<ul style="list-style-type: none"> • Green Army tour of the foreshore held on 7 July, between Ascot Waters and Bilya Kard Boodja. • EMRC's Healthy Waterbirds, Healthy River talk and walk at Ascot Waters (7 July): approximately 30 attendees. • Fauna Nightstalk at Goodwood boat ramp (13 July): 17 attendees. Several frogs including slender tree frog and motorbike frogs, spiders and potential native water rat burrow. • National Tree Day: Sunday 30 July. While no City of Belmont planting site was organised, the date was promoted via the Parks and Environment Events Calendar. • EMRC's Healthy Birds, Healthy Garden workshop (19 August): approximately 30 attendees. 20 species of birds observed in one hour at the Belmont Civic Centre on Sunday 6 July.
2.h)	Erect information signage in areas of environmental significance to raise awareness and promote community appreciation of the local environment	<p>Locks replaced and the following posters installed in the Tomato Lake noticeboard near President Street carpark:</p> <ul style="list-style-type: none"> • Photos of Birds of Tomato Lake • Catchment map showing flow of stormwater from Tomato Lake to the Swan River • Photos and description of Frogs of the Perth region • Photos of "friendly" native plants (duckweed and Azolla) and information on blue-green algal blooms and what the City is doing to prevent these • 'Fertilise Wise' flyer.
2.i)	Provide regular updates in the City's newsletters; Belmont Business Talk and Belmont Bulletin to promote environmental and sustainability programmes, initiatives, activities and events	Articles included in July Belmont Bulletin on Ibis at Tomato Lake, Environment and Urban Forest Displays at Avon Descent and Upcoming Healthy Birds, Healthy Garden Workshop.

3. NATURAL ENVIRONMENT AND BIODIVERSITY	
3.a)	<p>Progress the objectives and key actions of the Urban Forest Strategy and Canopy Plan</p> <ul style="list-style-type: none"> • Revised Street Tree Plan endorsed by Council at 25 July OCM. • Promotion of Urban Forest in July Belmont Bulletin article "Growing our Urban Forest". • Street Tree audit data received and now available on Intramaps. • Presentation to the Airport Consultative Environment and Sustainability Group meeting on 17 August. • Urban Forest Strategy Community workshop held 31 August 2017.
3.b)	<p>Minimise occurrence and severity of algal bloom outbreaks in major water bodies by reducing nutrient availability and nutrient inputs, ensuring aerators are operational and increasing opportunity for natural nutrient uptake or absorption</p>
3.c)	<p>Implement management actions for natural areas, as per the Environmental Maintenance Plan, schedules and reserve management plans</p> <ul style="list-style-type: none"> • Trees planted at Severin Walk on 29 June : <ul style="list-style-type: none"> ○ 2x (30L) <i>Eucalyptus nicholii</i> (narrow-leaved black peppermint) ○ 2x (30L) <i>E. sideroxylon rosea</i> (red flowering iron bark) ○ 2x (tubestock) <i>Banksia littoralis</i>, ○ 2x (tubestock) <i>Melaleuca preissiana</i> ○ 2x (tubestock) <i>M. raphiophylla</i> • Signal Hill revegetation undertaken 7 July with 750 tubestock planted. • Officers attended Banksia woodland conference (16 June).
4. PREVENTION OF POLLUTION AND ENVIRONMENTAL DEGRADATION	
4.a)	<p>Respond to water quality issues such as unauthorised discharges, disposal of liquid waste and erosion/sedimentation, utilising the Dust and Liquid Waste Local Law 2007, Environmental Protection (Unauthorised Discharges) Regulations 2004, Litter Act 1979, and Health Local Law 2002</p>
4.b)	<p>Ensure environmental incidents arising from City operations are reported and (if warranted), investigated</p> <ul style="list-style-type: none"> • Following incidents were investigated: <ul style="list-style-type: none"> ○ Containers of waste engine oil, or similar liquids disposed of at the Ops centre in the general waste skip bin and also in the general waste bulk materials bay ○ Non-conformance in natural area maintenance tender for grass control with glyphosate applied (spot sprayed) at Signal Hill bushland instead of metsulfuron. ○ Pruning of vegetation on Alexander Road verge of Signal Hill bushland.

4.c)	Manage environmental risks associated with City operations in RMSS	<ul style="list-style-type: none"> • Input provided on the following risk assessments for tenders: <ul style="list-style-type: none"> ○ Construction of Faulkner Civic Community Centre ○ Supply of Landscape and Irrigation Maintenance for Streetscapes and Parks ○ Softfall supply and repair.
4.d)	As per Sampling and Analysis Plan, implement regular stormwater monitoring of nutrient and non-nutrient contaminants with submittal of results to the Department of Water's Water Information Network and quarterly summary reports to internal stakeholders	Stormwater sampling undertaken 22 June, 25 July and 30 August 2017.
5. RESOURCE USE, WASTE AND CARBON EMISSIONS		
5.a)	Request information from contracted Council facilities (Belmont Oasis and Faulkner Retirement Village) and Independent Living Units on energy and water consumption, and review annual use (per patron/ resident) against accepted benchmarks	<p>Letters distributed via Southern Cross Care to residents of Independent Living Units and Faulkner Park Retirement Village, seeking information on water and energy use and offering to present a workshop on energy and water efficiency.</p> <p>Water consumption data obtained for the following contracted/ leased facilities:</p> <ul style="list-style-type: none"> • Belmont Oasis Leisure Centre = 24,757 kL • Faulkner Retirement Villages, Resource Centre and Museum = 9,473 kL • Wairoanga Independent Living Units = 1,144 kL
ENERGY MANAGEMENT AND CARBON		
5.b)	Consider the CO2 tailpipe emissions (g/km) as per the Green Vehicle Guide when selecting replacement vehicles for the operational and light vehicle fleet	Template email developed for selection of fleet replacement vehicles, promoting the Green Vehicle Guide website and the City's target to improve the rating.
5.c)	Purchase 25% renewable energy or equivalent in "Gold standard" carbon offsets certified under the National Carbon Offset Standard, for the top five highest electricity consuming sites	E-quotes sought for purchase of decoupled GreenPower or "Gold Standard" carbon offsets through WALGA Preferred Supplier Contracts, closing 5 September.
WATER EFFICIENCY		
5.d)	Hold regular meetings of Groundwater Use Strategic and Operational Teams to manage the use of the City's groundwater resources, utilising the Groundwater Use Management (GUM) Software package	<ul style="list-style-type: none"> • Major component chemical analysis undertaken 16 June (for groundwater licence). • Groundwater Use Strategic Team meetings held 23 June and 20 July.
WASTE REDUCTION		
5.e)	Conduct annual audit of bulk bin at Civic Centre to monitor recyclable material being disposed to landfill	Audit completed on 30 August 2017.
6. CLIMATE CHANGE ADAPTATION		

NEW ENVIRONMENT AND SUSTAINABILITY STRATEGY ACTIONS (2017 REVISION)

Note: Actions listed include those with a due date of 2017/18 and ongoing/ beyond

Action number	Action	Timeframe for Implementation	Responsible Officer	Progress
1.1	Develop guidelines and assist and encourage applicants for unit developments to establish verge landscaping that supports environmental outcomes and other community benefits.	2017/18	Manager Parks & Environment	Met with UWA researchers in July to explore a research topic on the environmental value of the verge. Project design is in its early stages.
1.2	Advocate for regional investigation of Sustainable Development Goals (SDGs) of the <i>2030 Agenda for Sustainable Development</i> by EMRC, and consider relevance to transition of the City's EMS to the ISO 14001: 2015 standard.	2016/17- 2017/18	Coordinator Environment	Advocacy completed in 2016/17. Transition underway and to be completed prior to external audit scheduled for May 2018.
1.3	Transition the City's EMS to the ISO 14001: 2015 standard, with certification achieved following 2018 external audit.	2017/18	Coordinator Environment	<ul style="list-style-type: none"> Transition underway and to be completed prior to external audit scheduled for May 2018. Business Management System Manual Review Meetings held 8, 14, 22 and 29 June. ISO Transition and Risk Meetings held 5 July and 31 August. Business Improvement Team meeting held 17 July.
1.4	Consider the outcomes of WALGA's review of Sustainable Procurement in the WA Local Government Sector, in annual review of the City of Belmont Environmental Purchasing Policy.	2017/18 and annually	Coordinator Environment	Officer booked to attend launch of WALGA's newly developed 'Sustainable Procurement Guide' and associated practice tools on 4 October.
1.5	Incorporate environmental sustainability initiatives into the Structure Plan and Design Guidelines for DA6, as outlined in the DA6 Vision Plan and Implementation Strategy.	2020/21	Manager- Planning Services	Officers participated in a DA6 / Metronet Urban Design Workshop held 24 August which considered some aspects of relevance to sustainability (i.e. drainage).
1.6	Promote the environmental sustainability initiatives of the DA6 Vision Plan and Implementation Strategy to government agencies and potential developers.	2020/21	Manager- Planning Services	No update
1.7	Advocate for environmental best practice and innovation in all new buildings and the entire precinct of DA6.	2020/21	Manager- Planning Services & Coordinator Environment	No update
2.1	Develop updated verge guidelines that promote establishment of Waterwise and Fertilise Wise verges with ecological values, for release upon gazettal of the revised City of Belmont Local Law.	2017/18	Manager Parks & Environment	No confirmation of timeframe for gazettal of Local Law.

3.1	Implement foreshore stabilisation works at Garvey Park, Ascot Racecourse foreshore and other priority sites for erosion control.	Subject to sourcing of external funding	Coordinator Environment	<ul style="list-style-type: none"> • Minor stabilisation undertaken adjacent path at Garvey Park Section 2. • Stabilisation scheduled for following sites, pending Rivers & Estuaries permit approval: <ul style="list-style-type: none"> ○ Garvey Park Section 2: September 2017 ○ Ascot Racecourse Foreshore: October 2017 ○ The Esplanade: November/ December 2017. <p><u>Garvey Park Section 2:</u></p> <ul style="list-style-type: none"> • Presented Draft Concepts to Disability Access and Inclusion Focus Group on 2 June. • Key stakeholder consultation period closed 16 June, comments were considered and concept updated. Met with Department of Parks and Wildlife on 23 June to discuss their feedback. • Draft Concepts presented to Councillor Information Forum on 11 July. • Community consultation period opened 4 August, closing 4 September.
3.2	Obtain “as constructed” digital designs for stormwater drainage upon completion of the Tonkin Highway upgrade, and incorporate into the City’s Intramaps system.	2017/18	Manager- Design & Assets	No update
3.3	Undertake biological surveys (fauna and/or macroinvertebrates) of restoration sites to monitor changes in local ecology.	2017/18 – 2020/21	Supervisor Environment	<p>Macroinvertebrate survey completed at Tomato Lake on 6 July 2017, with 13 species identified. These were grouped based on the Sensitivity Ranges from SIGNAL 2 system in “New sensitivity grades for Australian River Macroinvertebrates” (Chessman, 2003).</p> <p>Pollution Sensitivity:</p> <ul style="list-style-type: none"> • Not Rated- Bloodworm, Tadpole, Seed Shrimp, Copepod and Water Flea • Very tolerant- Mosquito larvae, Leech, Roundworm, Non Biting Midge larvae, Water Boatman, Backswimmers • Tolerant (nil) • Sensitive- Water Mite • Very sensitive- Caddisfly larvae. <p>Bird survey by the WA Naturalist Club (Darling Range branch) undertaken over one hour outside the Civic Centre identified 20 bird species.</p>

3.4	Undertake updated flora surveys of key natural areas to monitor changes and plan for future restoration.	2017/18	Supervisor Environment	Request for quotation under development. Locations will include Swan River Foreshore (Sections 1 to 7), Garvey Park, Tomato Lake, Dod Reserve and Signal Hill bushland.
3.5	Implement recommendations of the "Assessment of Visual Amenity Options for Compensating Basins" report.	2016/17 and ongoing	Manager Parks & Environment	2017 planting completed. Refer Item 10.2.
3.6	Progress the high priority actions of the Belmont Foreshore Precinct Plan.	2017/18	Coordinator Environment	No Change.
3.7	Revise the City's Process Map for "Obtaining Approval for Ground Disturbing Works at Aboriginal Heritage Sites", based on the Noongar Standard Heritage Agreement.	2017/18	Coordinator Environment	Officers attended the WALGA Aboriginal Culture and Heritage Preservation Forum Webinar (2 August).
3.8	Revise the City's Process Map for "Clearing of native vegetation" to include referrals under the <i>Environmental Protection and Biodiversity Conservation Act 1999</i> .	2017/18	Coordinator Environment	Meeting held with relevant Parks and Environment staff to discuss possible amendments to the Process Map.
3.9	Develop an Urban Forest Policy to reinforce and support the objectives of the City's Urban Forest Strategy and the Canopy Plan currently under development.	2017/18	Manager Parks & Environment	Currently preparing "Trees and development guidelines" to assist the Planning and Building sections with managing tree retention prior, during and post development. The success (or otherwise) of these guidelines will help shape the Urban Forest Policy.
3.10	At time of next review of Policy BB3- Streetscape Policy, consider inclusion of reference to street tree planting (compulsory) and investigate establishment of a local law (head of power) to enable financial penalties for removal or damage to street trees.	2017/18	Manager Parks & Environment	No update
4.1	Undertake major report on results of stormwater monitoring of nutrient and non-nutrient contaminants and review the Sampling and Analysis Plan.	Every 2 years (2017/18 & 2019/20)	Environmental Officer	No update
4.2	Review turf management activities within 50m of wetlands (including mowing, irrigation and application of fertiliser, wetting agents and soil amendments), against environmental best practice.	2017/18	Manager Parks & Environment	No update
4.3	Develop a Nutrient Awareness Campaign for the Ascot Stables stormwater catchment, with an aim to improve water quality through further education, awareness and enforcement of local laws	2017/18 and ongoing	Environmental Officer	Clean Drains, River Gains nutrient awareness fact sheet enclosed with the annual stables licence renewal letter.

5.1	Actively monitor and manage energy and water consumption of City operated facilities through use of Planet Footprint, and review annual use in comparison to benchmarks (per FTE / per booking hour/ per m ² floor area).	2016/17 and ongoing	Coordinator Environment	Refer Item 10.4.
5.2	Implement a commitment pledge/ Memorandum of Understanding with one lessee of a City owned building/ facility, regarding environmental sustainability initiatives.	2017/18	Coordinator Environment Coordinator Property & Economic Development	Flow meters scheduled for installation in early September at Belmont Park Tennis Club & Belmont Sport & Recreation Club (bowling green). These will measure groundwater water use from the City's bores, to be reported monthly to each club for the 2017/18 Water Year.
5.3	Utilise the "energy fund" to install solar PV systems on City buildings, as per recommendations of the business case developed.	2016/17 and ongoing	Coordinator Environment Manager Building Services	Funds for 2017/18 will be assigned towards the future solar PV system for Faulkner Civic Precinct Community Centre.
5.4	Achieve a 5 Star Green Star rating (Design and As Built) for the new Faulkner Civic Precinct Community Centre.	2019/20	Manager Building Services	No update.
5.5	Develop a Waste Minimisation Plan for the Faulkner Civic Precinct, including the Civic Centre, Ruth Faulkner Public Library, Functions Centre and new Community Centre.	2019/20	Coordinator Environment Manager Building Services Manager Property & Economic Development Manager Health and Community Safety	Arrangements confirmed for a pilot bin setup change, for the upstairs Civic Centre office areas. The intent is to improve recycling rates. Bins have been ordered.
6.1	Participate in the EMRC's "Understanding and Managing Flood Risk in Perth's Eastern Region" project; <ul style="list-style-type: none"> Stage 3: Flood Risk and Vulnerability Assessment, Floodplain Development Strategy and Stage 4: Flood Intelligence and Adaptation Planning. 	2017/18	Coordinator Environment	Project update received. The peer reviewed calibrated hydraulic model is expected to be complete by the end of August, with later Stage 3 milestones completed by February 2018. Stage Four will commence in March 2018.
6.2	Review the Local Climate Change Adaptation Action Plan.	2018/19	Coordinator Environment	No update

OUTSTANDING ENVIRONMENT AND SUSTAINABILITY STRATEGY ACTIONS (2016 REVISION)

Note: An update on actions due on 30 June 2017, which were uncompleted as of the June meeting agenda deadline are summarised below.

Action number	Action	Timeframe for Implementation	Progress June- August
1.5	Implement an environmental induction program for new staff, with staff in relevant roles to complete Waterwise Garden and Irrigation, Water Auditing and Fertilise Wise training.	2016/17 and ongoing	Completed August 2017 with release of My Learning Staff Environmental Awareness Training module to all staff. The training will also be issued to all new staff to complete within two months of commencement.
1.7	Review environmental legislation matrix and include in staff induction.	2016/17 and ongoing	Review of matrix still underway. Reference to matrix included in My Learning Staff Environmental Awareness Training module, launched in August. Enviro Law and Safety Law webinar held 3 August with approximately 10 staff participating.
2.3	Consider incentives for establishment of verge landscaping that supports environmental outcomes through the Water Corporation's Waterwise Verge Enhancement Scheme or equivalent.	2016/17	Completed June 2017 , with outcomes summarised as per ECM Doc Set ID 3011387. An incentive programme for verge enhancements cannot be implemented until the review of the local law is finalised. As such, this will be re-visited on an annual basis, coinciding with the budget cycle.
3.4	Update the City's Street Tree Plan to include information on ecological value of listed species and develop Detailed Tree Selection for environmentally sensitive areas.	2016/17	Completed July 2017 , with Council endorsement of the revised Street Tree Plan.
3.5	Implement recommendations of the "Assessment of Visual Amenity Options for Compensating Basins" report.	2016/17 and ongoing	Completed for winter 2017 . Refer agenda item 10.2 .
4.2	Review the City's Erosion and Sediment Control Work Instruction and Guidelines.	2016/17	Completed August 2017 with a new Process Map developed to replace the Work Instruction.
5.1	Actively monitor and manage energy and water consumption of City operated facilities through use of Planet Footprint, and review annual use in comparison to benchmarks (per FTE / per booking hour/ per m ² floor area).	2016/17	Refer agenda Item 10.4.
5.5	Utilise the "energy fund" to install solar PV systems on City buildings, as per recommendations of the business case developed.	2016/17 and ongoing	Completed June 2017 , with installation of a 40kW solar PV system at Belmont Sports & Recreation Centre.



Standing Committee (Environmental)

Item 10.1 refers

Attachment 2

TravelSmart Plan Progress



TRAVELSMART REPORT – Standing Committee (Environmental) June 2017 - August 2017

Actions in the table below reflect the recently updated TravelSmart Plan 2012-2018 (2017) as initially presented at the Standing Committee (Environmental) on 26 June 2017 and adopted by Council on 25 July 2017.

Colour Key	Outdated / obsolete from the 2012 version of the TravelSmart Plan	New action added in 2017 as part of revision / extension.
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Action No.	Action	Resp. officer	Status	Progress
1.	Attendance at a stall during the Autumn River Festival and Avon Descent community event days to provide information and education to the public.	TS, EV	Aug 2017 Apr 2018	Held TravelSmart stall at the Avon Descent Family Fun Day on 6 August 2017. Provided extra bike parking and bike maintenance. Collected details of residents interested in being involved in the upcoming Local Bike Plan review.
2.	Hold a bike to work breakfast during Bike Week to encourage commuter cycling.	TS, ENV, SMPHU	Mar 2017	Previous event held as part of Bike Week on 24 March 2017.
3.	Promotion of Bike Week.	TS, LAC, MARK	Mar 2018	Previously promoted Bike Week in March 2017.
4.	Assist with Walk Over October activities as required and provide TravelSmart information.		Action now obsolete	Action completed each year 2012-2016 Heart Foundation discontinued program in 2016.
5.	Develop community bicycle workshops to develop cycling skills of women, Culturally and Linguistically Diverse (CALD), and special needs groups.	TS, CL, SMPHU	Nov 2017, Mar 2018	Previous event was a 3 week 'Learn to Ride' course in November 2016.
6.	Conduct a Bicycle User Group (BUG) meeting bi-monthly.		Action now obsolete	BUG Group disbanded due to lack of interest in 2012.
7.	Update the TravelSmart information on the City of Belmont website and improve its accessibility.	TS, IT	Ongoing	Previously checked for currency May 2017.
8.	Promotion of TravelSmart options in advertising for community events.	TS, MARK, IT, EV	As required	TravelSmart options promoted as part of Avon Descent Family Fun Day advertising.
9.	Conduct Transperth 'Magical Mystery' public transport tours for seniors, CALD and special needs groups.	TS, PTA, CS	Jul 2017	Held two 'Magical Mystery' tours on 13 July 2017. One session was tailored for CALD residents, the other focused on information for seniors.
10.	Insert TravelSmart information in new resident starter packs.	TS, MARK	Ongoing	TravelSmart map (updated 2016) is included in all new resident packs.
11.	Investigate the potential for a 'Going Places' travel incentive initiative or similar. See http://www.goingplaces.darebin.vic.gov.au/ .		Action now obsolete	Action completed and presented to Standing Committee Environmental Nov 2015. See Action 14.
12.	Trial a bike valet service or similar at a City event.	TS, EV, MARK	Mar 2018	Trial is proposed to be held at the Harmony Day event at Tomato Lake in 2018.

Action No.	Action	Resp. officer	Status	Progress
13.	Provide a TravelSmart presence at Place Making Pop up events.	TS, CPM	As required	No progress to report during this period.
14.	Track the implementation success of travel reward apps and investigate their potential in the City.	TS	Jun 2018	Currently tracking the Freewheeler App being trialled in the City of Fremantle.
15.	Investigate partnerships with local community groups to provide bike related services for the City.	TS, CCP	Jun 2018	Commenced discussion with new school bike education provider in July 2017.
16.	Promote the Bike Boulevard and support local initiatives to increase its use.	TS, CPM	Nov 2018	No progress to report during this period.
17.	Support the Your Move Schools program in participating primary schools.	TS, DOT	Ongoing	Promoted Your Move Schools to the School Leaders Liaison Group meeting on 7 August 2017. Have arranged a presentation from the Your Move Schools team to this group in the first meeting of 2018.
18.	Promote Walk Safely to School and Bike Week at schools.	TS, DOT	Mar/May 2018	Assisted St Augustine Primary with a Walk Safely to School Day event on 22 June 2017.
19.	Offer breakfast grants for Cycle and Walk to School Days.	TS	Mar/May 2018	Provided healthy breakfast materials to St Augustine Primary on 22 June 2017.
20.	Meet with schools to seek feedback, share information and promote services available.	TS	Nov 2017	No progress to report during this period.
21.	Promote active travel and safety incursions and programs that are available to schools.	TS	Where possible	Hosted a public transport 'Magical Mystery' tour with a group of students from the Australian Islamic College on 11 August 2017.
22.	Provide bike education to active Your Move primary schools.	TS	Annually	No progress to report during this period.
23.	Develop the City of Belmont TravelSmart Workplace program for external businesses.		Action now obsolete	Department of Transport has a stand-alone 'Your Move' program. See Action 24.
24.	Implement the Dept. Of Transport Your Move Workplace programs.	TS, DOT	Ongoing	No progress to report during this period.
25.	Businesses proposing development of end of trip facilities at DCG meetings to be invited to participate in the Your Move Workplace program.	TS, PLAN	As required	No progress to report during this period.
26.	Work with Belmont Forum to develop a TravelSmart access plan.	TS, DOT, PROP	Jun 2018	No progress to report during this period. Action deferred until improvement works are completed.
27.	Promote the Belmont Environmental Achievers Program to local businesses.	TS, ENV	Annually	No progress to report during this period.
28.	Review the City's Planning Guidance for End of Trip Facilities.	TS, PLAN	Sep 2017	No progress to report during this period.

Action No.	Action	Resp. officer	Status	Progress
29.	Promote the 'Your Move Workplace' program to existing businesses within the City.	TS, PED, DOT	Ongoing	No progress to report during this period.
30.	Coordinate and implement the Active Travel - Be Rewarded Program.	TS	Sep – Dec 2017	Previous 12 week program concluded on 16 December 2016. 20 participants with a total of 1437 active travel trips.
31.	Facilitate the Department of Transport's online Corporate Walking Challenge.		Action now obsolete	Corporate Walking Challenge no longer exists.
32.	Facilitate the Department of Transport's online Bike to Work Challenge.		Action now obsolete	This challenge was discontinued in 2014.
33.	Maintain, update and promote car pool register on Belnet and in the staff lunchroom.	TS, IT	Quarterly	Checked and updated on 22 August 2017
34.	Investigate a TravelSmart subsidy (or similar) for staff	TS, FIN, HR	Jul 2018	Attended the Your Move Workplace forum on 30 August 2017 with the topic of salary packaging Electric Bikes.
35.	Annual staff travel survey to determine changes in travel patterns.	TS, ENV	Sep 2017	Previous survey undertaken 20 – 22 of September 2016.
36.	Update and maintain TravelSmart page on Belnet.	TS, IT	Aug 2017	TravelSmart content was checked in August 2017.
37.	Submit TravelSmart articles for the Team Brief.	TS	Ongoing	Submitted a Bike Boulevard update article in June 2017 Team Brief.
38.	Conduct TravelSmart commute planning sessions with all new staff.	TS, HR	Ongoing	Sessions undertaken with new staff as applicable.
39.	Participate in the coordination of Staff Safety and Wellbeing Month.	TS, OH&S,	As required	Staff Safety and Wellbeing Month was not held 2015 or 2016 due to organisational changes. 2017 still not confirmed.
40.	Investigate the provision of 'TravelSmart time' for staff (15 minutes less work time each day if walking, cycling, car pooling or catching public transport to work) as part of new Community Centre development.	TS, HR	Jul 2018	No progress to report during this period.
41.	Maintenance of TravelSmart related facilities (fleet bikes, lockers, bike shelter, and staff SmartRiders).	TS, BUILD	Ongoing	All City bikes are inspected fortnightly and were serviced in June 2017. SmartRiders are monitored continually and were topped up in June 2017.
42.	Promotion of TravelSmart facilities to staff.	TS	Quarterly	Promoted to staff during events and the Active Travel Be Rewarded program.
43.	Actively participate in the Your Move Workplace program.	TS	Ongoing	No progress to report during this period.
44.	Promote and participate in sustainable transport to work days.	TS,	Ongoing	No progress to report during this period.
45.	Create a Staff travel time guide.	TS	February 2018	No progress to report during this period.
46.	Adoption of the revised City of Belmont Bike Plan.	TS, DES	June 2018	Currently undertaking the revision of the plan with scoping and background work occurring through July and August 2017.

Action No.	Action	Resp. officer	Status	Progress
47.	Assist Eastern Metropolitan Regional Council with relevant projects.	TS, DES	Ongoing	Assisted EMRC with the development and promotion of the 'Share the Space' campaign launched on 8 August 2017. www.sharethespace.com.au/
48.	Lobby the Public Transport Authority for more bus services to the Mixed Business Area and Kewdale Industrial Area.		Action now obsolete	As of November 2015, Transperth route 380 now services the Belmont Avenue corridor of the Mixed Business Zone
49.	Update and distribute the City of Belmont Your Move Guide.	TS, DOT, MARK	Aug 2018	Name has changed from TravelSmart Guide to Your Move Guide. Previously update was completed and printed July 2016.
50.	Undertake an investigation into the feasibility of a co-funded bus service to improve public transport access to the City's business and industrial areas	TS, DOT ENV, PROP, PTA	Oct 2017	Presented an update to the Standing Committee (Environmental) on 26 June 2017. New Bus stop and bus signwriting installed in June, 850 letter mail out in August 2017. Formal assessment period of 12 weeks starting Sept – Dec 2017.
51.	Represent the City in relevant sustainable transport working groups.	TSO	Ongoing	Attended the TravelSmart Officer Meeting on 18 July 2017 and Your Move Workplace Forum on 30 August 2017.
52.	Improve communication with the Public Transport Authority and Transperth.	TS, PTA, TP	Ongoing	No progress to report during this period.
53.	Collaborate with the City's Health Promotion Officer and Seniors and Disability Officer to deliver coordinated programs.	TS, HCO, SDEO	Ongoing	Collaborated to provide two public transport tour sessions on 13 July 2017 and one on 11 August 2017.
54.	Use new Census information to better understand the Belmont workforce and how their travel behaviours could be influenced.	TS, PROP	Mar 2018	No progress to report during this period.

Responsible Officers:

TS TravelSmart Officer
 CCW Coordinator Community Wellbeing
 HR Human Resources
 ENV Coordinator Environment
 PROP Manager Property and Economic Development
 IT Information Technology Officer
 FIN Manager Finance
 FLEET Coordinator Fleet

BUILD Coordinator Building Operations
 OH&S Coordinator Occupational Health and Safety
 SMPHU South Metro Public Health Unit
 DES Engineering Design Surveyor
 MARK Media and Communications Officer
 EV Events Officer
 PLAN Manager Planning Services
 CS Coordinator Community Services
 DOT Department of Transport



Standing Committee (Environmental)

Item 10.4 refers

Attachment 3

Environment and Sustainability Strategy Indicators

Chapter	Indicator	2016-2017 outcomes	
Corporate Philosophy	Certification to ISO 14001 achieved? (Y/N)	Yes	
	Annual internal and external audits of EMS conducted? (Y/N)	Yes	
	Number of articles published in Team Brief annually	8	
	Number of staff participating in Corporate Planting Day	30 (in July 2016)	
	Percentage of staff using TravelSmart modes to commute to and from work	15% (taken from the September 2016 staff travel survey). Admin building and Operations centre data combined.	
	Percentage of Councillors using TravelSmart modes to commute to and from Council meetings	50% - (One carpool from two responses). Or 11% (one of nine Councillors)	
	Number of business trips undertaken by staff using TravelSmart modes	<ul style="list-style-type: none"> 98 (one way) business trips were made using the Civic Centre SmartRider cards. There were no trips recorded on the Operations Centre cards. 24% of business trips were made using TravelSmart modes – all carpool Journeys. Results from 2016 Travel Survey 	
	Number of breaches of environmental legislation or permits/ approvals	Nil	
	Waterwise Council Program Accreditation retained? (Y/N)	Yes	
	Green Stamp certification maintained? (Y/N)	Yes	
	% compliance in annual check against commitments with:		
	MoU- Waterwise Council Program	100%	
	WA Local Govt Climate Change Declaration	87.5% (one of the eight commitments is not met; Set an appropriate, individual Local Government emissions reduction target and work toward its achievement)	
Fishing Line Bin MoU	100%		
Land Use Planning & Development Control	Number of Development Applications referred to Environment Section for comment or including relevant conditions/ footnotes	9	
	Number of unit development applicants provided with 'Grow Local Plants' and 'Maintaining and caring for your street verge' brochures.	Nil	
Community Awareness, Engagement and Behaviour Change	Number of assessments completed as part of the Business Environmental Assessment Project	118 assessments and 38 premises visits	
	% compliance of businesses assessed as part of the Business Environmental Assessment Project	<ul style="list-style-type: none"> 52% compliance at time of first assessment during reporting period: 65% compliance at time of most recent assessment during reporting period: 31% businesses with non-compliant washdown practices at time of first assessment 82% of premises which initially had non-compliant wash-down practices, but which subsequently were found to have compliant washdown practices (Compliance figures include those deemed to comply as the business moved and issue was therefore resolved).	
	Annual tonnages of green waste recycled(bulk bins) - 2015/16	755	
	Annual tonnages of asbestos, oil (volumes), metals & vehicle batteries, collected for correct disposal/ recycling - 2015/16	Asbestos	16
		Oil	3,650
Metals		19	
Vehicle batteries		5	
	Mattress units	230	

Chapter	Indicator	2016-2017 outcomes	
Community Awareness, Engagement and Behaviour Change	Annual tonnages recycled domestic waste - 2015/16	Total recycled from domestic yellow top recycling bins	3274
		Paper & cardboard	1767
		Glass	1192
		Plastics	133
		Aluminium cans	19
		Steel Cans	31
		Steel Non packaging	249
		Waste from recycle stream	560
	Number of participants in business / community workshops and seminars	Business (15), community (110)	
	Number of environmental volunteer hours	78 (52 volunteers at Grab a Gladi on 1 October 2016)	
	Number of greywater systems approved within the City of Belmont annually	Nil	
	Number of rainwater tanks (> 5000L capacity) approved within the City of Belmont annually	Nil	
Number of 5 green star or above buildings in City of Belmont rated through National Australian Built Environment Rating System (NABERS) or Green Building Council of Australia	Four x 5 star Green Star rated buildings	Eastlink Office Park Echo 1, Echo 2 – PAPL & Toyota WA	
	One x 5 star rated under NABERS	Eastlink= 5 stars	
Annual residential Scheme water consumption per capita	Information not yet available		
Average daily household residential electricity consumption for each City of Belmont suburb.	Rivervale	12.89 units	
	Cloverdale	13.99 units	
	Kewdale, Belmont & Ascot	Waiting on response from Synergy	
	Redcliffe	13.34 units	
Natural Environment and Biodiversity	% canopy coverage	2016: 12.5%	
	Number of trees protected through Tree Protection/ Preservation Orders and the Municipal Heritage Inventory	<ul style="list-style-type: none"> • 1 x tree is subject of a Tree Preservation Order under the LPS • 15 x trees are listed within the Municipal Heritage Inventory (2007) (2 of these have been cleared) 	
	Extent of river foreshore vested in City of Belmont, rated as a "high" priority for stabilisation in annual assessment	655m of total 6750m vested with City of Belmont or Belmont Trust= 10%	
	Length of foreshore protected	67m total ; 27m Ascot Racecourse (hard structure), 20m Ascot Quays (sedge strips) & 20m Grandstand (sedge strips)	
	Hectares of natural areas maintained	No change from 2015/16	
	m2 of new biodiversity areas created	None, all infill projects	
	Number of tubestock planted annually	Total 3551 ; Centenary Park 260, Signal Hill 343 and Esplanade 2028 dryland and 920 marine couch.	
	Number of sedges planted annually.	Total 710 ; Freshwater Lake 260, Grandstand Foreshore 200, Ascot Quays 250.	

Prevention of Pollution and Environmental Degradation	Number of noise & air quality issues addressed enforcement of relevant Regulations and Local Laws	<ul style="list-style-type: none"> • 137 noise complaints. • 16 odour complaints • 3 dust complaints
	Number of water quality issues addressed/ enforcement of local laws/ <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>	4 infringements under the UDRs
	Number of annual stormwater monitoring events	6
	Number of Stormwater Pollutant Traps installed	Nil
	m ² of buffer zones created	No change from 2015/16
	Number of trees retained as a result of air spading	Utilised in following park upgrades; Bilya Kard Boodja Lookout (air spading) Copley Park (vacuum trenching)
	% actions or environmental risks in RMSS overdue for review	There are no 'overdue actions' for risk Master Category: Environment
	% of significant environmental aspects reviewed by Senior Management.	No environmental aspects are considered significant (i.e. none have a High or Extreme residual risk rating)
Resource Use, Waste and Carbon Emissions- Energy Management and Carbon	Annual Corporate carbon emissions (CO ₂ e)	Excluding Fleet 6,001 T (14% estimated) Including Fleet 6,425 T
	Number of energy efficiency retrofits of City facilities implemented	<ul style="list-style-type: none"> • LED interior lighting retrofits: Miles Park Club Rooms, Peet Park Public Toilets, Tomato Lake toilets (Oats St & President St), Redcliffe Park community centre • LED carpark lighting retrofit: Garvey Park • Ascot Waters Riverwalk LED bollard lighting retrofit (Stage 1) • 30.24kW solar PV system at Belmont Sports & Rec Centre in July 2017
	Annual energy (electricity & gas) consumption at City managed sites and facilities	Electricity- kWh: <ul style="list-style-type: none"> • Civic Centre, Library & Senior Citizens- 1,080,188 • Harman Park Community Centre- 13,126 (11% estimated) • Operations Centre- 192,349 Gas- MJ (estimated percentage) (• Civic Centre, Library & Senior Citizens- 873,874 (30%) • Harman Park Community Centre- 9,052 (41%) • Operations Centre- 15,026 (25%)
	Average 'CO ₂ tailpipe emissions rating' rating of vehicle fleets as per the Green Vehicle Guide	218 (commercial) and 187 (passenger)
	Annual energy consumption per FTE (Civic Centre) at the Administration Building account	Electricity= 1,080,188 units Gas= 873,874 MJ (30% estimated) FTE= Information not yet available
	Annual energy consumption per FTE at the Operations Centre	Electricity= 192,349 units Gas= 15,026 MJ (25% estimated) FTE= Information not yet available
	Total size of solar PV systems installed on City buildings	14.6 (as of 30 June 2017- 4.2kW Ruth Faulkner Public Library, 10.4kW Harman Park Community Centre)
	Total annual electricity generated by solar PV systems installed on City buildings.	20,436 total in 2016= 6596 units at Library, 13840 at Harman

Resource Use, Waste and Carbon Emissions- Waste Minimisation	Annual tonnages of waste to landfill, recyclables and green waste from the City's Operations Centre	Rubbish (non-recyclable) 2,729 Recycled Concrete 1,450 Recycled Base Material 7,662 Green Waste 220		
	Quantity of office paper purchased annually	2420 reams (A4) and 138 reams (A3)		
	% recyclable material in bulk bin at time of audit	October 2016 Admin Building General Waste audit – % recyclables in material disposed of as "general waste" in the bulk bin or associated general-waste wheelie bins: <ul style="list-style-type: none"> • By volume: 58.3% • By weight: 58.4% 		
	Annual kg of mobile phones, ink cartridges, domestic batteries & fluorescent light tubes recycled at Civic Centre	Mobile phones	6.31 kg	
		Cartridges 4 Planet Ark	139.10kg	
		Batteries	Civic Centre 171.8kg & Library 35.6kg	
CFL	Civic Centre 30.3 kg			
Sheets of paper printed annually (calendar year) for Councillor communications.	Approximately 8697 sheets printed per Councillor in 2016			
Climate Change Adaptation	% actions or climate change risks in RMSS overdue for review	There are no 'overdue actions' for risk Category: Climate Change		
	% climate change risks with high or extreme residual risk rating reviewed by Senior Management Group.	Four risks have a high residual risk rating: <ul style="list-style-type: none"> • Lowering of groundwater table due to reduction in groundwater infiltration as a result of changing rainfall pattern • Increased threat of bushfire due to greater number of days of extreme or high fire danger • Changing climate affecting ecosystem balance - Plants, animals, fungi, bacteria, viruses etc • Altered river levels due to sea level rise or increased storm events 		

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