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**FOR REVIEW: DECEMBER 2019**

Protection of the environmental is a key concern of the Transdev NSW business and as part of our commitment we have developed this Environmental Plan.

This plan achieves the following objectives

- To meet the Government's objectives to introduce performance standards, which include standards concerning greenhouse emissions by buses as defined by the Passenger Transport Act, 1990, as amended.
- To comply with the Invitation to Negotiate document issued by Transport for NSW (TfNSW) requiring the preparation of an Environment Plan.
- To meet the contractual requirements of the SMBSC (Sydney Metropolitan Bus Service Contracts) to prepare an Environmental Action Plan and to report annually on performance based upon certain performance measures reflected in the SMBSC's Service Quality Index.
- To meet all statutory obligations relating to environmental protection.

## Performance Standards

Strategies	Implementation
1. To prepare an Environment Plan, which acknowledges the impact of greenhouse gas emissions upon the environment?	1. Energy management to include actions to reduce fuel use, regular monitoring processes, use of low sulphur fuel, monitoring buses for exhaust emissions/ smoke detection.
2. To develop a procedure for testing bus emissions	2. Install environmentally friendly technology, such as catalytic converters, ultra-fine fuel and oil filters, enhanced braking, and propulsion systems, particulate traps and computerised fuel and engine management systems.
3. To prepare an action plan to reduce emissions and to develop a procedure for recording reductions in emissions from the plan.	3. Tyre management program to reduce tyre waste. 4. For record keeping establish key performance indicators for measuring fuel efficiencies such as "fuel used per 100 kilometres" and major fuel spill incident.
4. To facilitate the dissemination of information on the enhanced Greenhouse effect.	5. The bus maintenance plan is consistent with the bus manufacturer's specification or better. The bus maintenance plan is complied with BOAS standard. 6. Buses are serviced regularly and certified by RMS with RMS Clean Fleet accreditation 7. Buses fitted with automatic idle shutdown.

## Compliance with Invitation to Negotiate

Strategies	Implementation
1. To prepare an Environment Plan, which sets out the environmental policies, actions and targets for the term of the SMBSC.	1. Develop environment policies which include a commitment to continual improvement and prevention of pollution.
2. To work in partnership with TfNSW in developing the Plan.	2. Set up programs to monitor bus emissions.
3. To develop appropriate management practices to ensure that the Environment Plan is completed.	3. Prepare an Action Plan and project plan for reduction of emissions.
4. To ensure that a detailed costing plan is prepared, to enable the implementation of the plan.	4. The bus maintenance plan is consistent with the bus manufacturer's specification or better. The bus maintenance plan is complied with BOAS standard.
5. To set achievable targets as part of the Environment Plan.	5. Introduction of LED lighting program throughout TDNSW sites.
	6. Introduction of timers on air conditioning office units throughout TDNSW sites.
	7. Introduction of light sensors in store rooms throughout TDNSW sites.

## Contractual Requirements

Strategies	Implementation
1. Work in partnership with TfNSW in planning services and incorporate regular community and passenger consultation into service planning and review.	1. Introduce measures to reduce fuel consumption, maintain an overall fleet that complies with the average requirements of the SMBSC, meet ADR/Euro standards for vehicles, provide appropriate training for drivers in eco-driving techniques.
2. Develop a bus network within the contract region on an evidenced based approach to existing and potential patronage.	2. Ensure that the measures that are the subject of targets allow for analysis of the effectiveness of the measures.
3. Comply with all legislative requirements.	3. Undertake a series of consultancy meetings with the customer base not only to get feedback for further development of the policy but also to ensure that the public are aware of the environment measures generated out of the Environment Action Plan.
4. Consider the environment in all strategic business decisions at all levels across the business.	
5. Monitor, review and report publicly on the environmental performance of the business to stakeholders.	
6. Establish targets to be achieved under the Environment Plan and identify those members of staff specifically required to administer the monitoring proposals.	

## Statutory Obligations

Strategies	Implementation
1. To develop an understanding of the Obligations of a bus operator under NSW law with regard to environment protection.	1. Acquire a working knowledge of the following enactments: <ul style="list-style-type: none"><li>• Environment Operations Act</li><li>• Environment Operations (Waste) Regulation</li><li>• Environment Operations (Clean Air) Regulation</li><li>• Environment Operations (Noise Control) Regulation</li><li>• National Environment Protection Measure</li></ul> 2. Copy documents for staff dissemination.
2. To maintain a sound knowledge of environment protection laws as they are amended.	
3. Provide information and training to staff on changes in environment law.	

## Version Control:

Version Number	Date of Issue	Details
1.0	1/12/2016	Publish
1.1	21/12/2017	Regular Review
1.2	21/12/2018	Regular Review