**Waste 2017 Abstract Submission**

**‘Waste proofing’ new developments and buildings for 21st Century resource recovery**

*My presentation is relevant to the following topic area(s).*

🞎 Circular economy 🞎 Overseas experiences

🞎 Collection (inc MUD’s, transient population areas) 🞎 Problem/Hazardous waste (inc asbestos, clinical &

🞎 Container Deposit Schemes medical, ocean plastics, paint, tyres etc)

🞎 Economics (inc business cases, data gathering, 🞎 Product Stewardship

monitoring performance) 🞎 Regional issues

🞎 Education (inc community engagement) 🞎 Recycling (inc CRC’s, collection)

🞎 E-Waste 🞎 Regulations and levies

🞎 Grants (outcomes and processes) 🞎 Social enterprise

🞎 Infrastructure (inc major waste grants, EfW, organics) 🞎 State based issues (eg. Fit for the Future NSW)

🞎 Innovative projects (case studies preferred) 🞎 Technology

🞎 Landfill (inc operations, regulations) 🞎 Tenders and contracts

🞎 Litter and/or illegal dumping (inc litter initiatives) 🞎 Other- Waste Planning 🞎 Organics (inc collection, processing)

**Presenter information**

**Presenter name:** Amanda Bombaci

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**Presenter name:** Milan Marecic

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**Biography**

Amanda has been a regional waste coordinator at WSROC since the commencement of the EPA’s Sydney Metropolitan Regional Coordination program in early 2013. Amanda has worked in waste and resource recovery positions in local government for the past seven years, after a few years working in federal government. She currently works with nine councils in Western Sydney to deliver regional waste projects, addressing issues that are common challenges to councils across the region.

Milan is an experienced strategic planner with over 18 years of local government experience, including six years at the senior executive level at one of NSW’s largest councils. His roles included Director City Strategy and Planning, responsible for strategic and statutory planning, corporate planning, social planning and community development, environment and waste management, and economic development. Milan has gained an appreciation and awareness of the importance of an integrated approach in delivering successful urban outcomes.

**Abstract Summary**

Western Sydney is experiencing rapid growth and unprecedented construction of multi-density and residential flat buildings, and greenfield residential subdivisions. This swift transition to medium and high density living has been challenging for many councils to ensure a continuation of waste and resource recovery services.

WSROC worked with 14 councils in greater western Sydney to develop the Western Sydney Waste Planning Forum, and partnered with SquareLink to undertake a review of the councils’ Development Control Plans. The resulting document will assist councils in updating their planning polices, provide examples of good practice and improve waste management outcomes for council and the community. It will also assist the development industry by improving consistency in development controls across the region.

**Abstract**

400-600 words

Western Sydney is facing rapid rates of development that have also been mirrored across NSW, bringing rapid development of residential buildings to house significant population growth. The region is experiencing unprecedented construction of multi-unit dwellings and residential flat buildings, and rapid delivery of large expanses of greenfield housing estates.

Home to Sydney’s largescale North West and South West Growth Centres, a new north west metro rail line and large scale urban consolidation projects, the swift transition to medium and high density living has been challenging for many councils to ensure waste and resource recovery services are provided for in building or estate construction. Many council planning instruments, such as Development Control Plans, have not kept pace with the new challenges faced by councils in light of new dwelling types, changing state planning controls and pressures from the overwhelming number of complex development applications lodged.

As a result, many new developments were constructed with a range of challenges to councils and waste collection contractors, such as roads too narrow for garbage trucks, no kerbside placement space for bins, medium density dwellings with no access to cart bins from front to back yards, high density buildings with inefficient collection systems, basement collection of waste with height clearances too small for waste trucks, no resource recovery systems and a raft of safety and amenity issues.

To address this issue, WSROC worked with 14 councils in greater western Sydney to develop the Western Sydney Waste Planning Forum, where councils and key stakeholders came together to discuss these challenges and share solutions, many of which stemmed from or led back to Development Control Plans. Many councils were looking to update their Development Control Plans, but were looking to each other for guidance and seeking consistency in key controls across the region.

WSROC partnered with SquareLink to undertake a review of the councils’ Development Control Plans, looking at a number of key components including:

* councils’ standard servicing requirements (bins and vehicles),
* waste generation and bin allocation,
* bin storage areas and design,
* bulky waste provision,
* communal waste services,
* onsite collection,
* chute systems,
* indemnity agreements and
* developer guidelines.

A document was developed for councils which detailed the requirements from councils in the group, highlighting examples of good practice and areas where consistency was common across the region. Consistency had long been a concern of property developers, and it agreed that areas of consistency across the region were likely to lend themselves to greater uptake from developers early in building design and construction.

The review developed guidance for councils to consider implementing when reviewing or updating their Development Control Plans. The key learnings in this guidance included:

* provisions to ensure there are no inconsistencies in DCPs;
* Guidance on the use of illustrations, diagrams and standard conditions of consent;
* Use of supporting documentation and specifications for waste servicing requirements;
* Requirements for clear information to be available in the development design stage, and
* Improved communication between council waste and planning departments.

This presentation will detail the key consistencies between councils and guidance for councils to deliver better waste outcomes in new residential developments.