



ASIA PACIFIC
WASTE CONSULTANTS

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2020

Capability Statement



COVID-19 UPDATE – IMPACT ON PROJECT DELIVERY

As the global COVID19 pandemic has prevented international travel in early-mid 2020, APWC has developed appropriate contingency plans and strategies to mitigate the impact on project development and implementation. With regards to current and near-term future APWC work programs - waste auditing, research, data collection and analysis, technical assistance, advisory services and stakeholder engagement programs - all project methodologies proposed will include:

- Modifications to project plans with phased approaches to project delivery.
- Stage by stage risk assessment, with stop/go approval points, flexible timelines, deliverables and payment schedules.
- Proposed adjustments to terms of reference, to account for extended periods of travel restrictions, to maintain workplan and deliverables through remote implementation.
- Adapted methodologies to promote desktop research and study, integrating remote consultations with resident team members, country experts and stakeholders.
- Promotion of remote survey and research techniques, implemented with training and other forms of capacity building, utilising local support and innovative technologies.

Asia Pacific Waste Consultants (APWC) is a leading international environmental management consultancy, specialising in the solid waste and recycling sector, with a dedicated team of experts who are passionate about improving environmental outcomes in developed and developing economies.

It is estimated that unless serious action is taken, by 2050 there will be more plastics than fish in the oceans. APWC's focus is on collecting comprehensive baseline waste data to inform legislation, policies and programs, and developing and improving waste management practices, systems and education to reduce the amount of waste entering the oceans. APWC aims to inform appropriate decision making by governments and measure and monitor the outcomes. APWC is a signatory to the New Plastics Economy Global Commitment to reducing the impacts of plastic.

APWC has been selected by several international and regional development agencies to undertake research, audits, assessments, training and capacity building in Asia, the Pacific and further afield, including the Asian Development Bank, Ellen Macarthur Foundation, United Nations Environment Programme, World Bank and aid programs supported by the Governments of Australia, New Zealand, Japan and the United Kingdom. Key recent assignments include:

- a landmark project to assist in the search for effective and economically viable solutions – researching the potential for recovery of 15 recyclable materials in 15 **Pacific countries** for multiple aid agencies under the Pacific Region Infrastructure Facility (PRIF) – report published (see - <https://www.theprif.org/documents/regional/urban-development-waste-management/pacific-region-solid-waste-management-and>
- a pilot global assessment framework in **Indonesia and India** for a group of the largest global packaging companies.

- fieldwork and analytical projects for the United Nations Environment Programme (UNEP), Commonwealth Clean Oceans Alliance (CCOA), International Union for the Conservation of Nature (IUCN) and the World Bank, in countries such as **Palau, Tuvalu, Samoa, Solomon Islands, Vanuatu, Antigua & Barbuda, Belize and South Africa.**

APWC is also supporting the work of several regional organisations and development programs, including the Secretariat of the Pacific Regional Environment Programme (SPREP), the Pacific Region Infrastructure Facility (PRIF) and its member agencies. Waste audits in the Pacific are also designed to complement and support other regional programs and initiatives such as the European Union funded PacWaste Plus project; Japan's Project for Promotion of Regional Initiative Solid Waste Management (JPRISM); the Commonwealth Clean Oceans Alliance (CCOA); United Nations UNEP-GEF 'Islands Programme'; Pacific Ocean Litter Program (POLP); and others supported by the International Union for the Conservation of Nature (IUCN) and the World Bank.

Many Asian and Pacific island countries and territories have proposed, drafted or adopted waste and environment legislation to stimulate circular economy approaches, in response to, and led by, the research and analytical work undertaken by APWC. Policies have been developed to finance improved waste recovery systems and distribute the costs of managing end-of-life materials. These include bans on imports of plastic bags and other plastic products, extended producer responsibility, container deposit schemes, advance disposal fees, environmental taxes and levies, and user pays or pay-as-you-go fees.

APWC continues to advise and support governments as they develop and implement National Waste Management Plans and Strategies, and to assist major donor-funded programs in designing technical assistance and capacity building initiatives.

APWC, and its parent company, A. Prince Consulting Ltd (APC), has a long track record of working with federal, state and local governments and international agencies on waste management and environmental projects.

Established over 23 years ago, APC has grown into a credible and respected firm with a track record of over 800 projects for 300+ clients.

APC has pioneered new, innovative and strategic waste reduction and management plans and best practice outcomes for urban centres, regional, island and indigenous communities - now implemented as world best practice. APC is recognised as Australia's leading Data Management & Auditing Consultancy by its peers in 2015, 2017, 2019 and 2020 in the Inside Waste Consultants Review.

Known affectionately as "Dr Rubbish" in indigenous communities for her commitment to improve services, Anne Prince, the founder of APC, is passionate about waste and minimising the impact on human health and the environment. Anne brings 40 years' experience in waste management gained across local, state, regional and national government, industry, commercial and community sectors in Australia, Europe, Asia and the Pacific. Anne is recognised nationally with the prestigious Resources and Waste Leaders award for her extensive contribution to the industry.



APWC APPROACH

Over the past 23 years APC and APWC have delivered over 800 projects for over 323 clients. We aim for total client satisfaction and the amount of repeat business we receive demonstrates our achievements in delivering successful project outcomes on time and on budget without any major accidents or incidents.

We offer the following services:



APWC CAPABILITY

APWC's commercially experienced, professional team can deliver in the key areas:



Waste systems review and supply chain analysis



Waste auditing



Waste management plans and strategies



Waste systems training



Policy and Legislative instruments



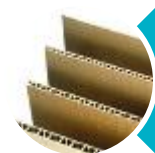
Tenders, Contracts and TORs



Stakeholder and community consultation



Infrastructure options assessment and business cases



Product stewardship and supply chain sustainability

Waste systems review and supply chain analysis

APWC provides end-to-end analysis of waste flows through demographic and socio-economic data, financial mechanisms, institutions, policy and regulation, and available collection and disposal system data.

The data analysis enables a waste management gap analysis to be provided for future policy and investment decisions.

The reviews inform best practice recommendations and case studies to support change in collection and disposal systems.



Waste auditing

APWC provides waste characterisation audits across domestic, commercial, public place, litter, landfill, transfer station and Material Recovery Facilities.

The audit data also provides robust statistical analysis for determining the feasibility and financial modelling of recycling and recovery systems.

APWC employs a statistician, a data scientist and a data analyst to provide data quality assurance and detailed, verifiable data sets to clients. APWC can collect and collate data to specific requirements and to meet third party standards.



Waste management plans and strategies

APWC's team has delivered world best practice waste management strategies and resource-recovery solutions throughout Australia and internationally.

The APC portfolio includes some of Australia's most iconic destinations, including Lord Howe Island (NSW), Rottnest Island (WA), Kangaroo Island (SA), Thursday Island, Hamilton Island (Qld), Groyte Eylandt (NT), King Island (Tas.) and Norfolk Island. Indigenous communities include the APY Lands (SA) and Warraber Island (QLD).

APWC has further expanded its team of experts with experience of developing and implementing waste management plans and strategies throughout Asia, the Pacific, Caribbean and Africa regions.

Waste systems training

Development of waste systems training in collaboration with governments and waste management staff to fill gaps in capacity.

Training occurs in-country or overseas and can encompass the following:

- waste data collection,
- litter and landfill data collection,
- data management
- waste systems implementation and management,
- financial instruments
- introduction of recycling systems like composting and deposit legislation.



Policy and Legislative instruments

The APWC team members have been involved in the developing of waste management policy and various legislative and financial instruments in Australia and the Pacific.

The policy areas that we have extensive experience in are:

- Extended producer responsibility
- Industry led schemes
- Deposit legislation
- Plastic bag ban
- Single use plastic ban
- Monitoring frameworks for waste streams



Tenders, Contracts and TORs

Building on the track record of its parent company, AOWC has extensive experience in the development, assessment, and oversight of domestic, commercial, public-place and facility waste collection and processing contracts. APC acts as an independent assessor on tender evaluation panels for collection contracts and AWT technologies.

APC has developed tender documents, managed tender processes and procurement for both government and private-sector clients.

Stakeholder and community consultation

A cornerstone of the APWC approach and key differentiation factor in the waste management industry, is the extensive community consultation and stakeholder engagement to fully understand, appreciate and negotiate desired outcomes. APWC therefore facilitates workshops, forums, focus groups and public meetings on a wide range of issues.

APWC can develop and co-design education materials and training packages to suit the needs of individual government, community and corporate clients.

APWC works closely with clients to ensure the right messages and information are conveyed and tailor the programs to suit community, schools and industry.



Infrastructure options assessment and business cases

APWC's staff have an understanding and appreciation of the various waste treatment technologies and their capabilities for the various markets.

APWC staff have been involved in the development of feasibility assessments, the preparation of tender documents and the assessment of AWT and thermal technologies.

APWC staff have undertaken a range of operational reviews including assisting public and private sector and their contractors by providing an independent review of current waste and recycling services and infrastructure including collection vehicles, bins numbers, size and service frequency, processing and sorting equipment, training needs and educational resources.



Product stewardship and supply chain sustainability

APWC staff have long-term experience in assessing product stewardship and supply chain situations across a range of industries and products – providing technical assistance for decision-making and to support strategic planning for environmental and business improvements related to design, sourcing, operations, products and their 'end of life' management. APWC has assisted businesses with design and implementation of management systems to support a broad range of applications, including labelling, environmental assessment of packaging and environmental management of facilities. APWC has piloted a global assessment framework to quantify the leakage of packaging into the environment in Indonesia and India.



It is estimated that unless serious action is taken, by 2050 there will be more plastics than fish in the oceans.

APWC works to inform legislation, policies and programs to develop waste management practices, systems and education to reduce the amount of waste entering the oceans.



the company we keep

Our staff have worked with and for the following organisations

