



Apelbaum
Consulting Group
PTY LTD



Transport, Energy & Management Consultants

ABN: 72 007 166 510

CAPABILITIES

AND

EXPERIENCE

CONTENTS

INTRODUCING THE APELBAUM CONSULTING GROUP PTY LTD

CLIENT LIST

CAPABILITIES AND EXPERIENCE

- ♦ *Shipping*
- ♦ *Ports and Terminals*
- ♦ *Land Transport*
- ♦ *Energy And The Environment*
- ♦ *Management*
- ♦ *Advocacy and Investigation*
- ♦ *Training*
- ♦ *Surveys*
- ♦ *Speaker and Publisher*

INTRODUCING THE APELBAUM CONSULTING GROUP PTY LTD

The Apelbaum Consulting Group Pty Ltd (ACG) is a Melbourne based national and international consulting Firm with activities in transport, energy and management consulting.

OBJECTIVE

To maintain our position as a leading Australian transport, energy and management consulting Firm by:

- *providing a personal and superior service*
- *being responsive to our client's specific requirements*
- *providing immediate solutions with long term benefits*
- *ensuring the highest standard of product at a competitive price*
- *being innovative and sound in approach and methodology*
- *delivering within time and budget*
- *being uncompromising with regard to confidentiality and professional ethics.*

ACTIVITIES AND SERVICES

The ACG has completed and is currently undertaking projects involving the following:

- *corporate advice and strategic development*
- *transport analysis and research*
- *feasibility studies*
- *costing and pricing policy*
- *shipping economics and business development*
- *distribution policy*
- *environmental assessments*
- *energy efficiency and policy*
- *terminal and port development*
- *training*
- *benchmarking*

FURTHER INFORMATION

The following pages detail the range of services offered, clients who have been served by the Firm and the capabilities of the Firm's principals.

Further information or queries should be directed to Mr John Apelbaum, Director, Apelbaum Consulting Group Pty Ltd.

Postal Address:

Apelbaum Consulting
Group Pty Ltd
PO Box 673
MULGRAVE VIC 3170

Street Address:

Suite A5, Level 2
Monash Corporate Centre
750 Blackburn Road
CLAYTON VIC 3168

Telephone:

(03) 9544 2250

Facsimile:

(03) 9544 2255

Email:

admin@apelbaumconsulting.com.au
john@apelbaumconsulting.com.au

Web:

www.apelbaumconsulting.com.au

CLIENT LIST

- | | |
|---|--|
| <input type="checkbox"/> <i>ACIL Tasman Pty Ltd</i> | <input type="checkbox"/> <i>Bureau Of Industry Economics</i> |
| <input type="checkbox"/> <i>AGL Sydney Limited</i> | <input type="checkbox"/> <i>Bureau Of Transport And Communications Economics</i> |
| <input type="checkbox"/> <i>Allgas</i> | <input type="checkbox"/> <i>Bureau Of Infrastructure, Transport And Regional Economics (new name 2008)</i> |
| <input type="checkbox"/> <i>Ampol Petroleum (Qld) Pty Ltd</i> | <input type="checkbox"/> <i>Bureau Of Transport And Regional Economics (name prior to 2008)</i> |
| <input type="checkbox"/> <i>AM & S Metals Pty Ltd</i> | <input type="checkbox"/> <i>Bus Industry Confederation</i> |
| <input type="checkbox"/> <i>ARRB Transport Research Ltd</i> | <input type="checkbox"/> <i>Caltex Tanker Company</i> |
| <input type="checkbox"/> <i>Australasian Natural Gas Vehicle Council</i> | <input type="checkbox"/> <i>City Of Waverley</i> |
| <input type="checkbox"/> <i>Australasian Railway Association Inc</i> | <input type="checkbox"/> <i>Coachtrans Australia</i> |
| <input type="checkbox"/> <i>Australia Institute</i> | <input type="checkbox"/> <i>Conaust Limited</i> |
| <input type="checkbox"/> <i>Australia Post</i> | <input type="checkbox"/> <i>Coode Island Review Panel</i> |
| <input type="checkbox"/> <i>Australian Agency For International Development</i> | <input type="checkbox"/> <i>CRT Group</i> |
| <input type="checkbox"/> <i>Australian Automobile Association</i> | <input type="checkbox"/> <i>CSR Limited</i> |
| <input type="checkbox"/> <i>Australian Gas Association</i> | <input type="checkbox"/> <i>Daimler Chrysler Australia/Pacific Pty Ltd</i> |
| <input type="checkbox"/> <i>Australian Greenhouse Office</i> | <input type="checkbox"/> <i>Dairy Industry Association Of Australia</i> |
| <input type="checkbox"/> <i>Australian Institute Of Petroleum</i> | <input type="checkbox"/> <i>Dairy Research And Development Corporation</i> |
| <input type="checkbox"/> <i>Australian Logistics Council</i> | <input type="checkbox"/> <i>Department Of Climate Change</i> |
| <input type="checkbox"/> <i>Australian Maritime Safety Authority</i> | <input type="checkbox"/> <i>Department Of Energy, Utilities and Sustainability – New South Wales</i> |
| <input type="checkbox"/> <i>Australian Mines And Metals Association</i> | <input type="checkbox"/> <i>Department Of Environment And Climate Change, NSW</i> |
| <input type="checkbox"/> <i>Australian National Line Ltd</i> | <input type="checkbox"/> <i>Department Of Environment And Water Resources</i> |
| <input type="checkbox"/> <i>Australian National Shipping Agencies Pty Ltd</i> | <input type="checkbox"/> <i>Department Of Industry, Tourism And Resources</i> |
| <input type="checkbox"/> <i>Australian Petroleum Pty Ltd</i> | <input type="checkbox"/> <i>Department Of Infrastructure – Victoria</i> |
| <input type="checkbox"/> <i>Australian Shipowners Association Ltd</i> | |
| <input type="checkbox"/> <i>Australian Trucking Association</i> | |
| <input type="checkbox"/> <i>BHP Transport Pty Ltd</i> | |
| <input type="checkbox"/> <i>BP Australia Ltd</i> | |

- Department Of Planning And Community Development*
- Department Of Transport And Regional Services*
- Department Of Transport, Energy And Infrastructure - South Australia*
- Department Of Transport - Western Australia*
- Electricity Supply Association Of Australia Ltd*
- EnergyConsult Pty Ltd*
- Energy Research And Development Corporation*
- Environment Australia*
- Environment Protection Authority - South Australia*
- Environment Protection Authority - Victoria*
- Federal Chamber of Automotive Industries*
- Federal Department Of the Environment And Heritage*
- Federal Department Of Housing And Regional Development*
- Federal Department Of Industry, Tourism And Resources*
- Federal Department Of Primary Industries And Energy*
- Federal Department Of Transport And Regional Services*
- Fletcher Challenge*
- Fluor Daniel Pty Ltd*
- Gas And Fuel Corporation Of Victoria*
- George Wilkenfeld And Associates Pty Ltd*
- Greenhouse Challenge Office*
- Hamilton Regional Development Board*
- Indec Consulting*
- Institute of Energy, Australia*
- Inter Continental Group*
- International Greenhouse Partnerships Office*
- Inter-State Commission*
- LEK*
- Meat Research Corporation*
- Melbourne University Private Ltd*
- Ministry Of Transport*
- Monash Mt Eliza Business School*
- Mobil Oil Australia Pty Ltd*
- National Environment Protection Council*
- National Rail Corporation Pty Ltd*
- National Road Transport Commission*
- National Terminals (Australia) Limited*
- National Transport Commission*
- New Zealand Shipping Federation*
- Nous Group*
- Office Of Energy Policy - South Australia*
- Office Of State Owned Enterprises*
- P & O Australia*
- Queensland Rail*
- Queensland Transport*
- Railcorp, NSW*
- Road Transport Forum*
- Roads and Traffic Authority, NSW*

- SA Mines And Energy*
- Shell Company Of Australia Ltd*
- Sheppard Textiles Pty Ltd*
- Shipping Industry Reform Authority*
- South Australian Gas Company Limited*
- Steer Davies Gleave*
- Sustainable Energy Authority*
- Swan Consultants (Canberra) Pty Ltd*
- Tasmanian Agrifood Consultative Group*
- Trans Ocean Terminals*
- Union Shipping Australia*
- VicRoads*
- Victorian Channels Authority*
- Victorian Department Of Natural
Resources And The Environment*
- Victorian Road Freight Advisory Council*
- Victorian Road Transport Association*
- Western Port Development Council Inc*

SUMMARY OF CAPABILITY AND PROJECT EXPERIENCE OF JOHN APELBAUM

LAND AND AIR TRANSPORT

Developing an integrated approach to the provision of transport services.

CAPABILITIES

- *Development of transport cost reduction initiatives*
- *Environmental and greenhouse analysis*
- *Multi-modal transport planning*
- *National and strategic transport reviews*
- *Transport economics, financial and operational evaluations*
- *Capital investment appraisal and feasibility*
- *Research.*

PROJECT EXPERIENCE

Australian Transport Facts (2009 and annual)

Annual update of the Australian Transport Facts publication, the most definitive review of the Australian transport task, energy consumed and transport emissions including ten (10) year forecasts. The analysis is prepared (separately) for each state/territory and by mode of transport. Each state/territory and national report includes 133 tables and 83 figures.

For: Private and public sector stakeholders.

Australian Rail Industry Report (2009, 2008, 2007, 2006)

Annual review of the Australian rail industry incorporating transport task, fuel consumption, locomotive and wagon inventory and the application of environmental management systems.

For: Australasian Railway Association Inc.

Workforce Participation In Australian Transport And Logistics (2008)

The purpose of the Workforce Participation In Australian Transport And Logistics Report was to identify the number of persons employed within the Australian economy whose jobs involved, either wholly or in part, T&L activities.

For: Australian Logistics Council.

Energy Performance Of Rail Transport (2007)

Benchmarked QR's energy consumption and emission performance (on a direct and full fuel cycle basis) relative to other Australian rail operations and non-rail transport modes. The assignment involved examining the role of rail in servicing Queensland's transport task, and the contribution of rail services to both transport energy and associated emissions, projecting (to 2015) Queensland's rail freight and passenger tasks, associated energy consumption and GHG emissions, examining the comparative energy efficiency and emissions performance of QR's larger rail systems and benchmarking pollutant loads relative to road transport.

For: Queensland Rail.

Contribution of Transport and Logistics To The Economy – Dispelling The Myths (2007)

The ALC sought the assistance of the ACG to estimate the contribution of Australian Transport & Logistics to the domestic economy and international earnings. Specifically the review identified the significance of T&L to GDP and the current account by State/Territory, the nature (and projections) of the Australian freight task, associated fuel consumed and emissions.

For: Australian Logistics Council

Benchmark Tables (2007)

Provision of benchmarking analysis for Railcorp's passenger rail services.

For: Railcorp, NSW.

Australian Rail – The 2005 Productivity Report (2005)

The inaugural assessment of the productivity of the Australian railways industry. Involved survey design, detailed consultation with Government and industry, analysis, report preparation and presentation.

For: Australasian Railway Association Inc

Victorian Freight And Logistics Strategy (VFLS) – Strategic Advise (2004)

Provided strategic advise to senior DOI management regarding the preparation of the Victorian Freight and Logistics Strategy

For: Victorian Department Of Infrastructure.

Australian Rail Facts (2004)

Detailed analysis of the Australian rail task, energy consumption and emissions including historical time series and projections.

For: National Transport Commission

Australian Rail – The 2003 Industry Report (2004)

The inaugural survey of the Australian railways industry incorporating the first modern era annual review of the industry. Included an aggregate balance sheet, financial performance, transport task, net investment, employment, labour costs, fuel consumption and value added.

For: Australasian Railway Association Inc

Aircraft LTO Analysis (2003)

Provision of aircraft lift and take off analysis for the Australian domestic and international industry.

For: Australian Greenhouse Office

Air Freight Export Analysis - A Preliminary Overview (2003)

Given anecdotal evidence of leakage of Victorian produce to non-Victorian airports, the Victorian Government commissioned the ACG to provide advise on the extent of leakage from Victorian airports and examine the movement of airfreight exports from potential markets in other states.

For: Victorian Department of Infrastructure

Performance Indicators For Commercial Vehicle Operations (2002)

Review and provision of road efficiency analysis for the Victorian road freight sector.

For: VicRoads.

Review of Air, Sea and Rail Freight Transport Statistics (2002)

Given increasing concerns with the use of third party data for policy and investment decisions by Transport SA, the ACG investigated the veracity of existing data. The assignment also involved identifying the most appropriate data and methodology for deriving outcomes, including the development of an analytical framework and potential sources of error.

For: SA Department For Transport, Urban Planning and the Arts

Victorian Freight And Logistics Strategy (VFLS) - Expert Review Panel (2002)

Selected as a member of the expert review panel to assist in the development of the VFLS. Tasks included the review of all Department submissions, identifying key guiding statements, the preparation of a market audit, developing key Government principles, reviewing the draft plan and the provision of strategic advice with regard to implementation.

For: Victorian Department Of Infrastructure.

Technical Assessment Of Alternative Rail Proposal (2002)

Provided strategic advice regarding the relative technical benefits of a proposed freight rail service.

For: Australian Greenhouse Office.

Inquiry Into Diesel Use And Taxation (2002)

Estimated total on-road diesel consumption and net collections by industry sector, mode and vehicle type with particular implication to taxation considerations.

For: The Bureau Of Transport And Regional Economics.

National Environment Protection Measure For Diesel Vehicle Emissions (2001)

Prepared the truck industry response to the draft diesel NEPM. Issues addressed included the mandate and case for the diesel NEPM, an assessment of the urban air quality problem, the impact of diesel vehicles on the environment and an assessment of the draft NEPM.

For: Australian Trucking Association.

A Review Of The Noise Related Australian Design Rules And Engine Brake Noise (2001)

In conjunction with Harry Close, reviewed the noise related ADRs and identified strategies and initiatives to address engine/exhaust brake noise. Included an assessment of engine/exhaust brake noise, noise issues of concern to the community, harmonising ADRs with international standards and industry consultation.

For: National Road Transport Commission

Environmental Policy For Australian Trucking (2000)

Strategic adviser to the Australian Trucking Association with regard to discussions with the Australian Democrats with regard to environmental policy and diesel fuel grants for Australian trucking.

For: Australian Trucking Association.

Australian Road Transport (2000)

Strategic adviser to Mobil Oil with regard to the current status of, and future directions for, Australian road transport with particular reference to fuel and oil consumption requirements.

For: Mobil Oil Australia Pty Ltd.

Material Spares For Railway Infrastructure Maintenance Contract (1999)

Strategic advisor to Indec Consulting in the development of national rail maintenance contracts.

For: Indec Consulting and Fluor Daniel.

Trucking Productivity And The Environment - Letting The Facts Tell The Story (1999)

A review of the productivity gains achieved by Australian trucking, including the environmental scorecard, the factors influencing productivity improvements and the forthcoming environment and productivity issues.

For: Australian Trucking Association.

Indicators Of Transport Activity, Energy And CO₂ Emissions (1999)

Represented the Federal Department Of Primary Industries And Energy at an international review of transport energy indicators instigated by the International Energy Agency. Prepared a summary of proceedings including recommendations for future directions.

For: Federal Department Of Primary Industries And Energy.

Diesel Fleet Characteristics (1998/99)

Provide detailed analysis of the Australian diesel fleet and energy consumption attributes by state and area of operation, projections of the diesel fleet task, energy consumed, and emissions by vehicle type. The analysis incorporated projections to the year 2015 incorporating changes to the sulphur content of diesel fuels and emission standards.

For: National Environment Protection Council.

Comparative Resource Consumption (1997)

Specialist adviser to ARRB in the development of a methodological framework for comparison of resource use associated with different transport modes for selected freight tasks.

For: ARRB Transport Research Ltd.

Recovery Of Road Infrastructure Costs (1997)

Prepared a submission on behalf of CoachTrans to identify the extent of recovery of road infrastructure costs by heavy vehicles. The submission defined road user and infrastructure costs, overviewed the current road charging mechanism and examined whether current road taxes and charges equate to road expenditure.

For: Coachtrans Australia.

The Australian Rail Task, Energy Consumed And Greenhouse Gas Emissions - Marshalling The Facts (1997)

Analysis pertaining to the impact of Australian heavy rail on greenhouse gas emissions, energy consumption, energy efficiency, the national transport task, commonwealth expenditure on transport and industry output.

For: Queensland Rail.

Review Of ADR 70/00 and 30/00 (1997)

Review of and advice to Australian trucking regarding the regulatory impact statement for revision of Australian Design Rules 70/00 and 30/00.

For: Road Transport Forum.

Environmental Performance Measures (1997)

Identified transport task, energy and greenhouse performance indicators for non-urban road and rail transport in Western Australia.

For: Department of Transport - Western Australia.

Commercial Indicators For Commercial Vehicle Operations (1997)

Review and provision of road efficiency analysis for the Victorian road freight sector.

For: VicRoads.

Australian Trucking And The Environment - Dispelling The Myths (1996)

Examined the impact of trucking on the environment and the industry's contribution to the economy. Included growth in the transport task, energy consumed, fuel consumption, age of the fleet, greenhouse gas emissions, alternative fuels, accidents, noise, waste management, recycling and taxes paid by the industry.

For: Road Transport Forum.

The Impact Of Distribution Costs On The Competitiveness Of Tasmanian Processed Vegetables (1995)

Identified the factors influencing differences in distribution costs between Tasmanian vegetable exports and those exported from selected overseas markets. Involved a detailed assessment of distribution costs, the impact of regulations, taxes and Government charges on transport costs and initiatives for enhancing the competitiveness of vegetable exports.

For: Tasmanian Agrifood Consultative Group.

Comparative Cost Of Interstate Rail And Shipping Services (1993)

Identified the capital and operating costs of providing rail services from Adelaide to Sydney for the carriage of bulk cargoes and compared these costs to existing coastal shipping services.

For: Inter Continental Group.

Value Of Extended Shelf Life For Short Shelf Life Products (1992/93)

Examined the impact of increased shelf life on existing distribution costs and market demand. Particular emphasis was directed to the transportation, storage and handling costs of market milk, cottage cheese and yoghurt.

For: Dairy Research and Development Corporation.

Impact Of Alternative Siting Options On Road Transport Costs - A Preliminary Assessment (1992)

Assessed the impact of transferring hazardous chemical storage sites on petrochemical tanker and isotainer tariffs. Policy options were identified.

For: Coode Island Review Panel.

Determining the Costs of Transporting, Handling and Storing Australian Meat and Live-Stock (1991)

Major review of the transport task and costs associated with the transport, handling and storage of livestock and meat to domestic and export markets. Incorporated an overview of regulatory, legislative and current agreements, the potential for improved efficiency and cost effectiveness, prioritisation of issues to be addressed and the major elements of a three year strategic plan to reduce costs.

For: Australian Meat and Livestock Research and Development Corporation.

Movement Of Wool Product (1991)

Examined the options available for the movement of containers from Hamilton to overseas markets. Incorporated the potential for exporting via the Port of Portland and the likely unit costs.

For: The Hamilton Regional Development Board.

Strategic Review of Freight Forwarding Capability (1989)

Assessment of ANL's capability to provide freight forwarding services and recommended strategies. Included market assessment, identification of international trade requirements, issue analysis, and future directions.

For: Australian National Shipping Agencies Pty Ltd.

National Freight Forwarding and Consolidation Services for the Movement of Lead, Zinc and Sulphide (1988)

Advice in the preparation of national transport and consolidation tenders, review and evaluation of tender documents and the selection of the preferred provider.

For: AM & S Metals Pty Ltd.

Alternative Transport Strategies for Alcoa Aluminium Ex Portland (1985/86)

Preparation of proposal to transport Aluminium to international markets. Included review of alternative transport options, market analysis, system assessment, financial and operational evaluation.

For: Australian National Line Ltd.

SUMMARY OF CAPABILITY AND PROJECT EXPERIENCE OF JOHN APELBAUM

ENERGY AND THE ENVIRONMENT

CAPABILITIES

- *Assessment of alternative fuels*
- *Research*
- *Transport energy policy*
- *Capital investment appraisal and feasibility*
- *Efficiency analysis*
- *Energy consumption analysis and bench marking.*
- *Emission analysis.*

PROJECT EXPERIENCE

Emission Trading Costs To The Rail and Road Industries (2008)

Examined the impact of alternative emission trading scheme scenarios on annual rail and road transport costs.

For: Australasian Railway Association Inc.

Australian Transport Facts (2009 and annual)

Annual update of the Australian Transport Facts publication, the most definitive review of the Australian transport task, energy consumed and transport emissions including ten (10) year forecasts. The analysis is prepared (separately) for each state/territory, by mode of transport and on a jurisdictional basis. Each state/territory and national report includes 133 tables and 83 figures.

For: Private and public sector stakeholders.

Energy Performance Of Rail Transport (2007)

Benchmarked QR's energy consumption and emission performance (on a direct and full fuel cycle basis) relative to other Australian rail operations and non-rail transport modes. The assignment involved examining the role of rail in servicing Queensland's transport task, and the contribution of rail services to both transport energy and associated emissions, projecting (to 2015) Queensland's rail freight and passenger tasks, associated energy consumption and GHG emissions, examining the comparative energy efficiency and emissions performance of QR's larger rail systems and benchmarking pollutant loads relative to road transport

For: Queensland Rail.

GHG Emission Projections From The Transport Sector – The 2007 Update (2007)

Developed business as usual projections from 2006 to 2020 for transport activity, energy consumed and GHG emissions from Australian road, rail, sea and air transport. Included an assessment of the level of uncertainty of the base case scenario and other demand/fuel intensity scenarios.

For: Department of the Environment and Water Resources.

Potential For Reducing Victoria's Greenhouse Gas Emissions – Expert Panel (2007)

Transport advisor on an expert panel advising the NOUS Group on transport impacts and directions pertaining to their assessment of the potential to reduce Victoria's greenhouse gas emissions.

For: Nous Group.

National Emissions Trading Taskforce (2007)

Expert transport advisor regarding future directions for a National Emissions Trading Scheme.

For: Department of Environment and Climate Change, NSW.

Projections of Domestic Transport Activity, Fuel Consumed and Greenhouse Gas Emissions 2004 - 2020 (2005)

Developed business as usual projections from 2004 to 2020 for transport activity, energy consumed and GHG emissions from Australian road, rail, sea and air transport. An assessment of the level of uncertainty of the base case scenario and other demand/fuel intensity scenarios was also provided.

For: Australian Greenhouse Office.

Technical Assessment Of A Round Three Proposal For The Greenhouse Gas Abatement Program (GGAP) (2004)

Reviewed a round three proposal for the GGAP program. Incorporated abatement, market analysis and feasibility considerations.

For: Australian Greenhouse Office.

Aggregate Emissions Data – Queensland Pilot (2004)

Provided a methodological framework to estimate and spatially allocate emissions of NPI pollutants from motor vehicles across all jurisdictions. Involved a review of current methodologies and stakeholder consultation. Undertaken in conjunction with Adam Pekol Consulting.

For: Federal Department of the Environment and Heritage.

Road Transport Emissions And Activity In South Australia – Past, Present and Future (2004)

Assessed the impact of South Australian road transport on air quality and greenhouse gas emissions, developed business-as-usual projections for road transport activity and emissions to 2012 and quantified the impact of alternative transport policies on greenhouse gas and air quality emissions from SA road vehicles.

For: Transport SA.

Projections of Domestic Transport Activity, Fuel Consumed and Greenhouse Gas Emissions 2001 - 2020 (2003)

Developed business as usual projections from 2001 to 2020 for transport activity, energy consumed and GHG emissions from Australian road, rail, sea and air transport. An assessment of the level of the base case scenario was also provided.

For: Australian Greenhouse Office.

Projections of NO_x and PM₁₀ Emissions For NSW (2002)

Provided projections of NO_x and PM₁₀ emissions for Sydney, provincial NSW and rural NSW in a presentation format for senior management.

For: NSW Road Traffic Authority.

Victorian Freight And Logistics Strategy (VFLS) - Expert Review Panel (2002)

Selected as a member of the expert review panel to assist in the development of the VFLS. Tasks included review of all Department submissions, identifying key guiding statements, preparation of a market audit, developing key Government principles, reviewing the draft plan and the provision of strategic advice with regard to implementation.

For: Victorian Department Of Infrastructure.

Environmental Impact Of Victorian Freight And Logistics (2002)

Provided a project leadership role for the Victorian Department Of Infrastructure in overseeing the impact of Victorian freight and logistics on the environment. Encompassed a detailed assessment of emissions, noise, ballast water, run off considerations and land take arising from the movement of freight in Victoria.

For: Victorian Department Of Infrastructure.

The Diesel And Alternative Fuel Grant Scheme (DAFGS) (2001)

Prepared the Trucking industry submission to Government regarding the major issues (from a trucking perspective) pertaining to the DAFGS and alternative strategic mechanisms for the Energy Grants Scheme.

For: Australian Trucking Association.

Environmental Performance Indicators (2001)

Updated earlier analysis pertaining to the impact of the Victorian commercial fleet on Victorian environment. Included analysis of the transport task, energy consumed and emissions.

For: VicRoads.

Truck Industry Response To Diesel NEPM (2001)

Advocate for the Australian trucking industry with regard to the proposed diesel NEPM. Tasks included a technical review of all aspects of the diesel NEPM and the preparation of an industry response.

For: Australian Trucking Association.

Victorian Greenhouse Strategy - Assessment of Policy and Program Options (2001)

As part of a project team, the ACG was the transport sector team leader in assessing policy and program initiatives and options for the abatement of greenhouse gas emissions (GHG) in Victoria. Particular emphasis was directed to the scale of GHG emissions and the costs associated with each option.

For: Greenhouse Policy Unit, Victorian Department of Natural Resources And Environment.

Review Of The Travel Smart Abatement Program (2001)

Expert advisor to consultants preparing a proposal for the development of the Travel Smart program in Australian cities.

For: Steer Davies Gleave.

The National Environment Protection Measure For Diesel Vehicle Emissions (2001)

Retained by the ATA to prepare an industry response to the NEPC discussion paper and draft guidelines for a NEPM for diesel vehicle emissions. The response examined the mandate and case for a diesel vehicle NEPM, the strategic framework for developing a NEPM, our understanding of diesel emissions and the industry's response to issues raised by the NEPC.

For: Australian Trucking Association.

A Review Of The Noise Related Australian Design Rules And Engine Brake Noise (2001)

Reviewed the noise related Australian Design Rules (ADRs) and identified a range of strategies and initiatives to address engine/exhaust brake noise. Specifically, the review identified those components of the noise ADRs that warranted revision (incorporating detailed comparison with relevant overseas standards), identified the major issues associated with engine/exhaust brake noise, examined vehicle noise issues of concern to the community and undertook extensive consultation with key community and industry stakeholders.

For: National Road Transport Commission.

Stage One Technical Assessment Of Round One Proposals For The Greenhouse Gas Abatement Program (GGAP) (2000)

Technical adviser for nine round one GGAP proposals incorporating the road and rail sectors. The task involved detailed assessments of abatement, eligibility, merit, technical feasibility and the cost-effectiveness of the proposals.

For: Australian Greenhouse Office.

Alternative Transport Fuels And The Australia Post Fleet (2000)

Advised Australia Post on the current status of alternative transport fuels and alternative fuelled vehicles (AFVs) and assessed the potential application of alternative fuelled vehicles in the Australia Post fleet. The review outlined existing and proposed vehicle standards, the characteristics and properties of traditional and alternative fuels and the technical, economic and environmental attributes of AFVs.

For: Australia Post.

Indicators Of Transport Activity, Energy And Emissions (2000)

Advised the Federal Department of Industry, Science And Resources on a draft report prepared by the International Energy Agency regarding the international benchmarking of Australian Transport Activity, Energy and Emissions.

For: Federal Department of Industry, Science and Resources.

Energy Efficiency Of The Victorian Government Passenger Fleet (2000)

The principal objective of this assignment was to propose strategies and initiatives to reduce recurrent energy use, costs and the environmental impact arising from the Victorian Government passenger fleet. In so doing, the assignment examined the energy and emission performance of the fleet and the prospects for alternative fuelled vehicles.

For: Sustainable Energy Victoria.

Vehicle Emissions (2000)

Estimated emissions generated by the Ford transit vans and passenger vehicles operated by Australia Post. Emissions were derived for unleaded petrol, diesel and LPG vehicles.

For: Australia Post.

Diesel Energy Grants (2000)

Adviser to Australian Trucking and the Australian Democrats with regard to the future direction for the Diesel Energy Grant Scheme and the role of alternative fuels in Australian trucking.

For: Australian Trucking Association.

Expert Centre For The Management And Analysis Of Australian Transport Sector -Related Energy Data (1999)

Commissioned by a consortium of Federal and State Government, industry and private sector organisations to establish a centre of expertise for transport. Tasks included an update of earlier ACG work pertaining to the Australian transport task, energy consumed and emissions, model development and providing expert assistance to the Federal Government in establishing and operating the centre.

For: Department Of Industry, Science And Resources.

Trucking Productivity And The Environment - Letting The Facts Tell The Story (1999)

A review of the productivity gains achieved by Australian trucking, the environmental scorecard, the factors influencing productivity improvements and the environment and productivity issues that need to be addressed.

For: Australian Trucking Association.

Environmental Management Manual (1999)

Prepared a step-by-step manual for implementing environmental standards for road freight industry accreditation. The manual outlines general environmental responsibilities, provides advice in implementation and details the requirements for an environmental management system. The manual is consistent with the requirements of ISO 14001 and ISO 14004. Included sample manuals.

For: Australian Trucking Association

Indicators Of Transport Activity, Energy And CO₂ Emissions (1999)

Represented the Federal Department Of Primary Industries And Energy at an international review of transport energy indicators instigated by the International Energy Agency, in Sweden. Prepared a summary of proceedings including recommendations for future directions.

For: Federal Department Of Primary Industries And Energy

Waste Disposal Guidelines For The Road Freight Industry (1999)

Prepared practical guidelines and practices to assist road freight businesses in minimising the environmental impact of storing, handling and disposing of road freight waste. The guidelines were subsequently incorporated within the Environmental Management Module of the Trucksafe program.

For: Australian Trucking Association

The South Australian Transport Task, Primary Energy Consumed And Emissions (1999)

Detailed analysis of the South Australian transport task, energy consumed and associated emissions. Based upon an extensive accounting framework developed by the ACG enabling jurisdictional, state generated analyses and bench marking for the years 1995, 1991, 1988 and 1985. Forecasts of the task, energy and emission attributes (including energy and emission intensities) were provided by mode.

For: Transport SA, Environmental Protection Authority SA and the Office Of Energy Policy.

Diesel Fleet Characteristics (1998/99)

Provided detailed analysis of the Australian diesel fleet and energy consumption attributes by state and area of operation, projections of the diesel fleet task, energy consumed, and emissions by state, vehicle type and area of operation. The analysis incorporated projections to the year 2015 involving changes to the sulphur content of diesel fuels and emission standards.

For: National Environment Protection Council.

Road Freight Noise - Practical Guidelines, Initiatives and Future Directions (1998)

A review of road freight noise including an assessment of the noise emitted by road freight freight, defining and measuring road freight noise, a review of domestic and international policies, legislation and standards and proposed initiatives, strategies and guidelines.

For: Australian Trucking Association.

Road Freight Environment And Greenhouse Challenge Workbook And Quick Reference Guide (1998)

Designed and prepared a workbook for assessing the introduction of initiatives to reduce fuel costs, waste costs and emissions arising from road freight businesses. The workbook provides practical initiatives, guidelines, reports and computerised worksheets to assist road freight operators in developing a cooperative agreement with Government to reduce emissions from all aspects of their business operations. A major feature of the workbook was the development of software to assist road transport operators in undertaking the analysis.

For: Australian Trucking Association and the Greenhouse Challenge Office.

Performance Indicators For Road Transport Demand, Fuel And Emission Efficiency - A Methodological Framework (1998)

Provided advise to the RTA on the preferred performance indicators for transport demand, vehicle fuel and emission efficiency. The review incorporated an assessment of objectives and scope, issues that need to be addressed, proposed methodological options and implementation requirements.

For: The RTA NSW.

The NSW Road Task, Energy Consumed And Emissions (1998)

Detailed analysis of the NSW road transport task, energy consumed and associated emissions. Based upon an extensive accounting framework developed by the ACG enabling jurisdictional and state generated analyses for the years 1995, 1991, 1988 and 1985. Forecasts of the task, energy and emission attributes (including energy and emission intensities) were provided for road transport.

For: The Roads and Traffic Authority, NSW.

The Queensland Transport Task, Primary Energy Consumed And Emissions (1998)

Detailed analysis of the Queensland transport task, energy consumed and associated emissions for the years 1995, 1991, 1988 and 1985. Forecasts of the task, energy and emission attributes (including energy and emission intensities) were provided by mode.

For: Queensland Transport, Department of Main Roads, Queensland Rail and the Department of Environment.

The Australian Transport Task And The Primary Energy Consumed - The 1994/95 Update (1997)

Updated earlier analysis undertaken by ACG detailing the national transport task, energy consumed by and the relative energy efficiencies of Australian transport. The update incorporated several new features including the inclusion of monorail, estimates of greenhouse gas emissions, detailed analysis of the pipeline task and forecasts of the national transport task, energy consumed and greenhouse gas emissions to the year 2015.

For: DPIE, BTCE, ANGVC, SA Mines and Energy, AAA, Commonwealth Department of Transport and Regional Development, RTF, ASA, RTA (NSW) and the Department of Transport (SA).

Energy Projections Workshop (1997)

Advice to and attendance at the energy projections workshops.

For: Environment Australia.

The Development Of Natural Gas Vehicles In Victoria - Future Directions (1996)

Reviewed the performance of the Gas and Fuel's NGV Division, ascertained the financial viability of a proposed refuelling network and identified future directions and initiatives associated with the commercial development of NGVs in Victoria.

For: Gas and Fuel.

Australian Trucking And The Environment - Dispelling The Myths (1996)

Assessed the impact of Australian trucking on the environment and the industry's contribution to the economy. The review encompassed the role of trucking in the achievement of the domestic freight task, energy consumed, greenhouse gas emissions, accidents, noise, waste management and recycling, the industry's performance and its use of alternative fuels.

For: Road Transport Forum.

A Public Refuelling Network For Natural Gas Vehicles In Victoria - An Initial Market Assessment (1996)

Undertook a preliminary assessment of the market prospects for natural gas vehicles in Victoria. Identified the expectations of major manufacturers and retrofitters and suggested initiatives and future directions.

For: Gas and Fuel.

An NGV Refuelling Network For Victoria - A Financial Assessment (1996)

The purpose of the review was to ascertain the financial viability of a natural gas public refuelling network for Victoria. Having identified the major factors influencing the commercial prospects for the proposed refuelling network, the viability of the network was assessed using DCF analysis prepared by the ACG. The report concluded with a capital investment strategy.

For: Gas and Fuel.

A National Body For The Australian Natural Gas Vehicle Industry - An Initial Market Assessment (1995)

Examined the attitude to and the requirements of the natural gas vehicle (NGV) industry to the establishment of a national NGV body. The review incorporated consultations with forty-one major industry organisations and included an assessment of likely industry participation, attributes of the proposed body, management and board structures, funding and the role of the proposed body.

For: The Australian Gas Association NGV Steering Committee.

A National Body For The Australian Natural Gas Vehicle Industry - The Way Ahead (1995)

Prepared a prospectus for consultation with industry stakeholders regarding the development of a national NGV body. The prospectus detailed the options, philosophies and possible directions for the establishment of the peak body.

For: The Australian Gas Association NGV Steering Committee.

A National Plan For Natural Gas Vehicles (1994)

The preparation of a national plan for the development of natural gas vehicles in Australia. Incorporated state business plans prepared by SAGASCO, AGL, Gas and Fuel and Allgas.

For: The Australian Gas Association NGV Steering Committee.

Assessment Of NGV Markets In Victoria - Trucks And Light Commercial Vehicles (1994)

Provided an assessment of the market potential of NG use for trucks and light commercial vehicles in Victoria.

For: The Gas and Fuel Corporation of Victoria.

Capital Budgeting Model (1994)

A lotus based interactive model to evaluate capital investment in NGVs. Provided detailed financial and operational analysis for all infrastructure and transport modes from a utility and user perspective.

For: Australian Gas Association NGV Steering Committee.

State Business Plans For Natural Gas Vehicles (1994)

Assisted the state gas utilities in the preparation of state business plans for the development of the NGV industry. Specific tasks included the development of a computerised financial investment analysis, a strategic planning program and advice in the completion of state business plans.

For: The Australian Gas Association, Allgas, Gas and Fuel, AGL and SAGASCO.

Market Research For Natural Gas Vehicles (1993)

Identified the initial market potential for natural gas vehicles in Australia. Detailed the criteria that substantially influence the use of NGVs, the major attributes of the NGV fleet in Australia, the financial impact of natural gas on vehicle costs and the prospects for achieving the industry's 10/10/35 plan.

For: The Australian Gas Association NGV Steering Committee.

The Australian Transport Task And The Primary Energy Consumed - The 1990/91 Compendium (1993)

Examine the national transport task and energy consumed by Australian transport. Unlike earlier analyses, pipelines were included. In addition, the review examined peak period travel for urban rail and buses.

For: DPIE, AAA, ESAA, BTCE, AIP.

Energy Consumption In Transport - Where To Now? (1992)

Keynote speaker and workshop editor. The report examined major issues associated with Australian transport energy consumption and future initiatives. Issues encompassed the demand for energy, environmental considerations, regulation, pricing and taxation.

For: Energy Research and Development Corporation.

Primary Energy Consumed by Australian Transport - The 1987/88 Review (1991)

Review of national transport task, energy consumption, value, volume and type. The analysis was disaggregated by transport mode and presented within a time series framework.

For: Energy Research and Development Corporation.

Consumption of Transport Energy in Australia (1988)

Analysis of consumption, transport task, energy value, volume and type of fuel expended

For: Department of Primary Industry and Energy.

Australian Export Steam Coal Supply (1982)

Market Analysis, pricing, industry analysis of the Australian export steam coal sector.

For: The Shell Company of Australia Ltd.

SUMMARY OF CAPABILITY AND PROJECT EXPERIENCE OF JOHN APELBAUM

SHIPPING

Assisting Shipowners, Governments and unions in the development of competitive domestic and international shipping services.

CAPABILITIES

- *Feasibility studies*
- *Capital budgeting*
- *Forecasting*
- *Costing and pricing*
- *Shipping economics and business development*
- *Fiscal analyses and financial assessments*
- *Performance assessments*
- *Research and analysis*
- *Benchmarking*

PROJECT EXPERIENCE

MUA Shipping And Emissions Project (2007)

Principal expert advisor to the Australian Institute with regard to their assessment of the impact of Australian shipping on climate change. Advice included peer review of draft reports and analytical input.

For: The Australia Institute Ltd.

Australian Maritime Transport (annual 2006 - 1989)

Update of annual performance review of Australian shipping incorporating the Australian seaborne task, the age distribution of the Australian fleet, net investment, current account impact, international transport earnings, excise, the use of single voyage permits and the role of Australian shipping in an international context.

For: Australian Shipowners Association Ltd.

The Impact Of Australian Shipping On The Economy (2003)

In conjunction with Access Economics updated earlier analysis of the impact of Australian shipping on the economy as input into the development of a national policy for Australian shipping. Tasks included analysis of the current contribution of shipping to key economic aggregates and assessment of national shipping policy options on the economy.

For: Australian Shipowners Association.

Seafarers Compensation (2002)

Examined the financial implications to shipowners and operators and the impact of amendments to the Seafarers Rehabilitation And Compensation Act (Seacare). The review encompassed an assessment of the cost of complying with the Act, comparisons of the Seacare program with other workcare programs, financial modelling of the Seacare Act, a quantitative assessment of the financial outcomes from alternative strategies, employee based case studies and strategic advice.

For: Australian Shipowners Association Ltd and Australian Mines And Metals Association.

Manning Analysis (2002)

The provision of the employment structure of Australian shipping to the Federal Government.

For: Department of Transport And Regional Services.

Victorian Channel Widening (2001)

Independent technical advisor pertaining to the relative economic benefits associated with widening the Victorian Channel. Involved consultation with the Victorian Government, consultants and the Victorian Channel Authority.

For: The Victorian Channels Authority.

The Impact Of Australian Shipping On The Economy (2001)

In conjunction with Access Economics examined the impact of alternative policy measures for Australian shipping, on the economy. Tasks included a survey of industry stakeholders pertaining to value added and the competitive gap and analysis of the current contribution of shipping to key economic aggregates. The work program was managed by John Apelbaum of the ACG.

For: Australian Shipowners Association.

The 1999 AMSA Price Index (1996 to 2000)

Annual management based review of the relative movement in prices for services provided by AMSA and their impact on shipping costs. The work program encompassed a survey of shipowners, managers and operators and the development of an index to measure the movement of AMSA charges over time.

For: Australian Maritime Safety Authority.

Australian Shipping - Not Just Worth Keeping, Worth Growing (1999)

Prepared a booklet and five fact sheets on behalf of the Australian shipping industry. The fact sheets examined the impact of Australian shipping on the balance of payments, investment in and the productivity of Australian shipping, the relative costs of Australian shipping, enterprise employment and Australian shipping within the international competitive environment.

For: Australian Shipowners Association.

Manning Strategies For Offshore Crews (1999)

Advised on alternative manning strategies for offshore crews. Included the development of fiscal analytical tools.

For: P & O Australia.

Australian Shipping Reform (1999)

The Director of the ACG (John Apelbaum) was the only individual nominated by the Australian Shipowners Association and the Federal Government to provide strategic advice and analysis to all sub groups initiated by the Federal Government to advice on reforming Australian shipping. The sub groups encompassed the economic impact of Australian shipping, taxation, fiscal reform and bench marking of shipping performance. In addition, the ACG was a member of the ASA support group. Tasks completed by the ACG included advise on taxation measures (such as the development of a tonnage tax), analysis of the competitive gap, strategic advice pertaining to industrial arrangements and manning, the design of a second register and the review of all sub group and task force reports.

For: Australian Shipowners Association Ltd and the Federal Government.

Strategic Advice (1999)

Strategic advice regarding the fiscal performance of the BHP fleet.

For: BHP Transport Pty Ltd.

A Comparison Of Australian And Overseas Shipping Costs - The 1998 Update (1998)

Assessed the competitive gap between Australian, Liberian and German vessels in international trades. The analysis incorporated a detailed assessment of the impact of fiscal measures on capital, manning and vessel operating costs. The impact of alternative fiscal measures on the competitive gap was examined.

For: Australian Shipowners Association Ltd.

Facts On Australian Shipping (1998)

A comprehensive time-series review of the impact of Australian shipping on the economy and the environment. The analysis encompassed the contribution of shipping to the current account, employment, non-employment taxes and charges, GDP, the use of single voyage permits and the impact of shipping on the transport task, energy consumed and the environment.

For: Australian Shipowners Association Ltd.

Forecasts Of Levies From Coastal Shipping (1997)

Provided projections of levy revenue arising from Australian coastal vessels for a three-year period commencing 1997/98. The analysis incorporated an analytical framework for enabling AMSA to forecast levy revenue.

For: Australian Maritime Safety Authority.

Coastal Shipping Services In PNG (1997)

Provided advice pertaining to the current status of the PNG Merchant Shipping Act, vessel registration, licensing and the suitability of selected chartering arrangements.

For: BHP Transport Pty Ltd.

Preliminary Assessment Of Indonesian Vessel Costs (1997)

Detailed the annual capital, manning and operating costs associated with coastal shipping in Indonesia. The report provided a framework for assessing capital recovery given existing fiscal and non-fiscal measures.

For: BHP Transport Pty Ltd.

Revenue Forecasting - Future Directions (1996)

The study defined the organisational requirements for forecasting revenue, developed a conceptual framework for modelling AMSA revenue and identified a detailed work program for upgrading existing methodologies.

For: Australian Maritime Safety Authority.

Impact Of Removing The Capital Grant And PAYE Provisions On Vessel Costs (1996)

Quantified the impact of removing the capital grant and PAYE provisions on the competitiveness of Australian coastal and international shipping. The analysis involved the use of complex discounted cash flow algorithms prepared by the ACG.

For: Australian Shipowners Association Ltd.

The 1996 Australian Shipping Industry Report (1996 to 1991)

Annual update of the Australian shipping industry survey and report. Involved a corporate style annual assessment of the performance of the Australian shipping industry including transport task, employment, vessel purchases and disposals, Government charges and taxes, port costs, turnover, safety, industrial disputation, and insurance costs.

For: Australian Shipowners Association Ltd.

Impact Of Alternative Shipping Reform Measures On Consolidated Revenue (1996)

Detailed the impact of alternative fiscal scenarios on the contribution of Australian shipping to consolidated revenue. The analysis involved consideration of taxes, outlays from Government, excise and the impact of likely scenarios on labour reform for all vessels in the Australian fleet.

For: BHP Transport Pty Ltd.

A Comparison Of New Zealand and Overseas Shipping Costs - International Shipping (1995)

Assessed the competitive gap between New Zealand (NZ) and selected foreign flag vessels operating in international trades as input to the development of a NZ shipping policy. The review encompassed the contribution of taxes, charges, subsidies and fiscal measures on shipping costs for representative NZ and foreign flag vessels. The major factors influencing differences in costs and the impact of alternative fiscal measures on the competitiveness of NZ shipping were identified.

For: New Zealand Shipping Federation.

Replacement Of Tonnage (1995)

Evaluated and advised as to the preferred economic and financial option for the replacement of existing tonnage. The analysis involved detailed capital, manning and operating cost analysis incorporating an assessment of existing fiscal measures.

For: Australian Petroleum Pty Ltd.

Proposed Fiscal Arrangements For New Zealand Shipping (1995)

Examined the procedures for registration of a New Zealand registered vessel, identified the cost of and procedures for registering vessels in Australia and the legal aspects of a wholly owned Australian company employing New Zealand seafarers on Australian registered vessels. The review was based upon the proposed legislation pertaining to income tax concessions for Australian international seafarers.

For: New Zealand Shipping Federation.

International Performance Indicators - Coastal Shipping Update (1995)

Updated vessel operating costs for Australian and selected foreign flag vessels operating in dedicated coastal trades. In so doing, identified the nature, extent and factors influencing operating cost differentials for each vessel type and country between 1992 and 1994. Particular attention was directed to the incidence of Government charges, subsidies and fiscal measures on coastal shipping costs.

For: Bureau Of Industry Economics.

Australian And Overseas Cost Structures - International Shipping (1994)

For specific vessels, identified the cost structure of Australian and various foreign flag vessels operating in international trades, the factors influencing cost differentials, the contribution of taxes and legislative measures to crew costs and the impact of alternative fiscal and manning measures on Australian shipping costs.

For: The Australian Shipowners Association Ltd and the Shipping Industry Reform Authority.

Cost Analysis (1994)

Analysis of New Zealand and various foreign shipping costs.

For: New Zealand Shipping Federation.

Trans Tasman Shipping Study (1994)

Assessment of optimum crewing levels for vessels in the Trans Tasman trades.

For: Swan Consultants (Canberra) Pty Ltd.

The 1994 Australian Dry Bulk And Liner Shipping Review (1994)

Reviewed the performance of CSR shipping relative to industry averages. The analysis encompassed transport task, capital expenditure, Government charges and taxes, port costs, employment, labour cost, turnover and expenses.

For: CSR Shipping.

The 1994 Australian Tanker Industry Review (1994)

Assessed the performance of company based shipping activities. The analysis incorporated issues pertaining to transport task, capital expenditure, Government charges and taxes, port cost, employment and labour costs, turnover and expenses.

For: Mobil Oil Australia and Caltex Tanker Company.

Comparative Costs Of International Shipping (1993)

Provided advice to the ANL regarding the competitive gap between Australian and overseas vessels for selected international liner trades. Identified the impact of various fiscal and manning management options.

For: Australian National Line Ltd.

International Manning Costs (1993)

Identified the relative manning costs for selected Australian, Norwegian, Japanese, Philippine and British vessels operating in international trades.

For: Australian Shipowners Association Ltd.

Input/Output Of Australian Shipping (1993)

Assessed the impact of Australian coastal and international on value added to the Australian economy. Particular emphasis was directed to identifying the role of shipping on input/output.

For: Australian Shipowners Association Ltd.

Overview Of International Shipping Freight Rates (1993)

Updated earlier analysis pertaining to international shipping freight rates and their implications for Australian coastal shipping. Re-examined the findings of the IAC review into coastal shipping given contemporary freight rate data.

For: Australian Shipowners Association Ltd.

A Comparison Of Australian And Overseas Cost Structures For Coastal Shipping (1993)

Comparison of cost structures pertaining to coastal shipping for a selection of Australian and foreign flag vessels. Identified the main sources of variation in costs, the incidence of Government charges, subsidies, taxes and fiscal measures on cost structures.

For: Bureau of Industry Economics.

Overseas Seamen Awards (1993)

Identified wages/awards applicable to seamen in a variety of overseas countries.

For: Australian Shipowners Association Ltd.

Fiscal Policy For Australian Shipping (1992)

Provided advice with regard to alternative fiscal policies for Australian Shipping. Included the identification of fiscal incentives for many overseas countries, analysis of the competitive gap including manning structures and the development of a contemporary shipping investment tool for evaluating tonnage options for various international regimes.

For: Australian Shipowners Association Ltd.

Review Of Shipping Performance (1992)

Examined the performance of individual shipping operations. The analysis encompassed transport task, capital expenditure, Government charges and taxes, port costs, employment and labour costs, turnover, expenses, value added and current account contribution.

For: Undertaken separately for CSR Limited, Shell Company of Australia Ltd and Ampol Petroleum (Qld) Pty Ltd.

Impact Of Tax Free Reserve On Sale Of Vessel (1992)

Examined the effect of tax on bareboat rates for Australian vessels. Included exchange rate sensitivity and a review of second hand prices from 1976.

For: Australian Shipowners Association Ltd.

Removal Of Payroll And PAYE Tax For International Vessels On Government Receipts (1992)

A preliminary analysis of the impact of removing payroll and PAYE tax generated by Australian international vessels on consolidated revenue and the market share required to compensate for the estimated loss in tax.

For: Australian Shipowners Association Ltd.

ANL And The Current Account (1992)

Examined the impact of ANL on the Nation's transport earnings and the current account.

For: Australian National Line Ltd.

The Coalition's Goods And Services Tax And The Australian Shipping Industry (1992)

Reviewed the implication of the proposed GST on Australian shipping including an outline of the GST package, the impact of the abolition of taxes on industry costs, the application of the GST on various coastal and international shipping transactions and the impact of the GST on the preparation of company financial statements.

For: Australian Shipowners Association Ltd.

Impact Of Alternative Strategies For Bulk Chemical Storage On Maritime Costs - A Preliminary Assessment (1992)

Assessed the impact of transferring hazardous chemical storage on shipping and port costs. Initiatives and directions regarding major policy issues such as reduced parcel sizes, use of isotainers, demurrage, night time restrictions and depth of channel on transport costs were reviewed.

For: Coode Island Review Panel.

BP Retonnaging Options (1992)

Evaluated the impact of alternative fiscal policies on re-tonnaging options.

For: BP Australia Ltd.

Overview Of International Shipping Subsidies And Assistance (1992)

Review fiscal measures applied to national shipping industries in twenty-one nations. Included ship building subsidies, tax benefits, depreciation and seafarers' benefits.

For: Australian Shipowners Association Ltd.

International and Domestic Freight Rate Trends (1990)

An assessment of recent trends in international and domestic freight rate movements for dry bulk, tanker and liner trades including an overview of likely future trends.

For: Australian Shipowners Association Ltd.

International Trade Assessment and Future Business Directions (1990)

Market analysis and an assessment of future business directions for East Asian Trades. Involved a review of cost and revenue structures, financial performance, profitability by commodity and origin/destination and an assessment of management information systems.

For: Australian National Line Ltd.

Impact of ANL on the Balance of Payments (1989)

Involved market analysis and the influence of ANL on the current and capital accounts, freight earnings and GDP.

For: Australian National Line Ltd.

Macro Economic Impact of Australian Shipping (1989)

Analysis of the industry's contribution to GDP, wage and salary earnings, employee earnings and taxes paid.

For: Australian Shipowners Association Ltd.

Australian Coastal Freight Rates (1988)

International and coastal freight rate analysis including factors influencing freight rate movements and projections of freight rate trends.

For: Australian Shipowners Association Ltd.

International and Domestic Shipping Freight Concessions (1987)

Policy development for freight rebates on international trades.

For: Australian National Line Ltd.

Vessel Re-tonnaging Evaluations (1987)

Undertaken various vessel re-tonnaging evaluations for both international and domestic trades.

For: Australian National Line Ltd.

Rationalisation Program (1987)

Developed alternative strategies for the rationalisation of major international shipping services, review of objectives, marketing audit, services review, financial assessment.

For: Australian National Line Ltd.

International Shipping Joint Venture (1987)

Broad assessment of proposed joint venture between major international maritime transport companies, Legislative considerations, financial performance and structures, and due diligence of business entities.

For: Australian National Line Ltd.

Transportation of Australian Export Produce (1985)

Review of issues confronting the Australian shipping industry in the movement of Australian rural export.

For: Australian National Line Ltd.

SUMMARY OF CAPABILITY AND PROJECT EXPERIENCE OF JOHN APELBAUM

PORTS AND TERMINALS

Comprehensive port, terminal, shipping and port access consulting services for port authorities, terminal operators, stevedores, Government and other port stakeholders.

CAPABILITIES

- *Capital investment appraisal and feasibility studies*
- *Strategic business planning*
- *Planning and development of terminal/port facilities*
- *Port pricing and economics*
- *Cargo handling review*
- *Terminal layout*
- *Land transport access*
- *Benchmarking.*

PROJECT EXPERIENCE (SAMPLE)

Port Of Melbourne Channel Deepening Study (2001)

Specialist adviser to the VCA in examining the economic/financial impact of the channel deepening proposal. Tasks included advising external consultants, critical appraisal of reports and advice to the VCA with regard to the management of the project.

For: Victorian Channels Authority.

Victorian Port Reform (1995 and 1996)

Specialist adviser to the Victorian Government Port Reform Unit. Tasks involved advice in relation to the functions of the new corporation and Authority, port pricing and the remaining functions of the PMA.

For: Office Of State Owned Enterprises.

Investment In The Port Of Melbourne (1995)

Specialist adviser to Fletcher Challenge's tender for investment in the Port of Melbourne.

For: Fletcher Challenge.

The Development Of The Pt Lillias Chemical Storage Facility (1995)

Specialist adviser to Fletcher Challenge's tender for the Pt Lillias project. Assisted with research, evaluation of the development proposal and reviewed the tender.

For: Fletcher Challenge.

Prospective Takeover Of Ancillary Transport Company (1992)

Preliminary analysis and advice regarding the prospective takeover of an ancillary transport company.

For: National Terminals (Australia) Limited.

Port Leasing Policies (1992)

Examined the implications of port leasing strategies on the competitiveness and efficiency of the Australian waterfront industry. Included an assessment of port leasing activities on inter-port competition and reviewed options for the development of alternative terminal leasing policies.

For: National Terminals (Australia) Pty Ltd.

Coal Terminals (1989)

Impact of ownership, management, port regulations and pricing on the cost, efficiency and productivity of major Australian coal loaders. Also examined road and rail access capabilities to these facilities.

For: Inter-State Commission.

Overview of the Newstead and Fisherman Islands #3 Terminals (1989)

Market analysis, review of performance, issue analysis and the evaluation of alternative development strategies including DCF impact on profit and labour analysis.

For: National Terminals (Australia) Ltd.

The NSW Terminals - Strategy to 2000 (1989)

Market analysis, review of the performance of terminals including productivity and manning, and the financial/operational evaluation of alternative strategies.

For: National Terminals (Australia) Ltd.

Westernport Development (1989)

Specialist adviser in port development, market analysis, facility review and identification of development options.

For: Westernport Development Council.

Port of Melbourne's New Pricing Structure (1989)

On behalf of Melbourne stevedores, developed alternative pricing structures and implementation processes. Included an assessment of port pricing economics, financial analysis and the restructuring of port/terminal relationships.

For: Stevedoring Consortium.

Financial Evaluation of Major Terminal Development (1989)

The development of alternative cargo handling options and for financial evaluation for a major terminal development near Portland.

For: National Terminal Operator.

Webb Dock Terminal (1987)

Review of financial and operational performance, general stevedoring practices and identification of alternative operational and development strategies.

For: Australian National Line.

Stevedoring Car Carriers (1986)

Financial, operational and market assessment of stevedoring car carriers. Involved short-term development strategies for terminals.

For: Australian National Line.

Adelaide Terminal Development (1986)

Market analysis, operational review, pricing, profitability assessment and financial analysis of alternative development strategies.

For: Australian National Line.

Floating Crane (1985)

Pricing requirements and divestment analysis for the PMA floating crane

For: Port of Melbourne Authority.

First Call Fees at Webb Dock (1985)

Evaluation of existing first call and pricing arrangements for Webb Dock.

For: Australian National Line.

Review of Berth Facilities (1985)

Port wide operational review of berth facilities including an assessment of future trade patterns, financial evaluation, and alternative development strategies.

For: Port of Melbourne Authority.

First Call Fees (1984/85)

Derived first call fees for various berths in the Port of Melbourne including 21 South Wharf and 16 Victoria Dock.

For: Port of Melbourne Authority.

West Swanson Dock (1984)

Operational and financial assessment of trade transfers to West Swanson Dock.

For: Port of Melbourne Authority.

East Swanson Dock Berth Allocation (1984)

Development of berth allocation procedures. Involved land use planning, financial and operational evaluation and computer simulation of terminal operations.

For: Port of Melbourne Authority.

17 Victoria Dock Container Crane (1984)

Operational, economic and financial evaluation of a container crane for 17 Victoria Dock.

For: Port of Melbourne Authority.

Common User Stacking Facilities (1983)

Development of an alternative pricing policy for common user stacking

For: Port of Melbourne Authority.

Port Constraints in Exporting Australian Thermal Coal (1982)

Supply and demand analysis and production planning.

For: The Shell Company of Australia Ltd.

SUMMARY OF CAPABILITY AND PROJECT EXPERIENCE OF JOHN APELBAUM

MANAGEMENT

CAPABILITIES

- *Assessment of strategic and business opportunities*
- *Business and financial appraisals*
- *Developing and implementing business plans*
- *Restructuring*
- *Forecasting*
- *Market and issue analysis*
- *Evaluation of investment.*

PROJECT EXPERIENCE

Victorian Freight And Logistics Strategy (VFLS) – Strategic Advise (2004)

Provided strategic advise to senior DOI management regarding the preparation of the Victorian Freight and Logistics Strategy

For: Victorian Department Of Infrastructure.

Seafarers Compensation (2002)

Examined the financial implications to shipowners and operators and the impact of amendments to the Seafarers Rehabilitation And Compensation Act (Seacare). The review encompassed an assessment of the cost of complying with the Act, comparisons of the Seacare program with other workcare programs, financial modelling of the Seacare Act, a quantitative assessment of the financial outcomes from alternative strategies, employee based case studies and strategic advice.

For: Australian Shipowners Association Ltd and Australian Mines And Metals Association.

Victorian Freight And Logistics Strategy (VFLS) - Expert Review Panel (2002)

Selected as a member of the expert review panel to assist in the development of the VFLS. Tasks included review of all Department submissions, identifying key guiding statements, preparation of a market audit, developing key Government principles, reviewing the draft plan and the provision of strategic advice with regard to implementation.

For: Victorian Department Of Infrastructure.

Seafarers Compensation (2002)

Examined the financial implications to shipowners and operators of amendments to the Seafarers Rehabilitation And Compensation Act (Seacare). The review encompassed an assessment of the cost of complying with the Act, comparisons of the Seacare program with other workcare programs, financial modelling of the Seacare Act, a quantitative assessment of the financial outcomes from alternative strategies, employee based case studies and strategic advice.

For: Australian Shipowners Association Ltd and Australian Mines And Metals Association.

Victorian Freight And Logistics Strategy (VFLS) - Expert Review Panel (2002)

Selected as a member of the expert review panel to assist in the development of the VFLS. Tasks included the review of all Department submissions, identifying key guiding statements, the preparation of a market audit, developing key Government principles, reviewing the draft plan and the provision of strategic advice with regard to implementation.

For: Victorian Department Of Infrastructure.

Strategic Directions For Australian Shipping (2000)

Advisor to the development of ASA strategic plan. Involved the definition of objectives, outlining issues and facilitating strategies and future directions.

For: Australian Shipowners Association Ltd.

Forecasts Of Levy Revenue From Coastal Shipping (1997)

Provided forecasts of levy revenue arising from Australian coastal vessels for a three-year period commencing 1997/98.

For: Australian Maritime Safety Authority.

The Development Of Natural Gas Vehicles In Victoria - Future Directions (1996)

Reviewed the performance of the Gas and Fuel's NGV Division, ascertained the financial viability of a proposed refueling network and identified future directions and initiatives associated with the development of NGVs in Victoria.

For: Gas and Fuel.

An NGV Refueling Network For Victoria - A Financial Assessment (1996)

The purpose of the review was to ascertain the financial viability of a natural gas public refueling network for Victoria. Having identified the major factors influencing the commercial prospects for the proposed refueling network, the viability of the network was assessed using DCF models prepared by the ACG. The report concluded with a capital investment strategy.

For: Gas and Fuel.

Incorporation Of The Australian Natural Gas Vehicles Coalition (1995)

Interim Chairman of the Establishment Committee for the incorporation of the ANGVC. Responsible for implementing statutory requirements and addressing major industry issues.

For: Establishment Committee - Australasian Natural Gas Vehicle Council.

A National Body For The Australian Natural Gas Vehicle Industry - An Initial Market Assessment (1995)

Examined the attitude to and the requirements of the natural gas vehicle (NGV) industry to the establishment of a national NGV body. The review incorporated consultations with forty-one major industry organisations and included an assessment of likely industry participation, attributes of the proposed body, management and board structures, funding and the role of the proposed body.

For: The Australian Gas Association.

A National Body For The Australian Natural Gas Vehicle Industry - The Way Ahead (1995)

Prepared a prospectus for consultation with industry stakeholders regarding the development of a national NGV body. The prospectus detailed the options, philosophies and possible directions for the establishment of the peak body.

For: The Australian Gas Association.

A National Plan For Natural Gas Vehicles (1994)

The preparation of a national plan for the development of natural gas vehicles in Australia. Incorporated state business plans prepared by SAGASCO, AGL, Gas and Fuel and Allgas.

For: The Australian Gas Association.

State Business Plans For Natural Gas Vehicles (1994)

Assisted the state gas utilities in the preparation of business plans for the development of the NGV industry. Specific tasks included the development of a computerised financial investment analysis, a strategic planning program and advice in the completion of business plans.

For: The Australian Gas Association, Allgas, Gas and Fuel, AGL and SAGASCO.

Prospective Takeover Of Ancillary Transport Company (1992)

Preliminary analysis and advice regarding the prospective takeover of an ancillary transport company.

For: National Terminals (Australia) Limited.

International Trade Assessment and Future Business Directions (1990)

Market analysis, review of cost and revenue structures, financial performance, determination of profitability by commodity and origin/destination, assessment of management information systems and business outline for enhancing profitability and management information.

For: Australian National Line Ltd.

The NSW Terminals - Strategy to 2000 (1989)

Principal advisor to National Terminals regarding the future of the NSW container terminals. Included consideration of markets, the operational performance of the terminals including productivity and manning, major issues to be addressed, financial evaluation of alternative strategies and a strategic plan for 2000.

For: National Terminals (Australia) Ltd.

Short Term Business Plan (1989)

Planning of Executive planning conference, strategic advice to the General Manager and the preparation of short-term business plan.

For: Australian National Shipping Agencies Pty Ltd.

Strategic Review of Freight Forwarding Capability (1989)

Preliminary market assessment, identification of international trade requirements, issue analysis, recommended strategies and future directions.

For: Australian National Shipping Agencies Pty Ltd.

Plant Layout and Productivity (1989)

Review of plant layout, redesign of plant configuration, investment evaluation and productivity strategies.

For: Sheppard Textiles Pty Ltd (as Consultant).

Divisional and Corporate Restructuring (1987)

Review of management structures for divisions and the corporate group.

For: Australian National Line Ltd.

Development of Business Performance Indicators (1987)

Review of corporate performance, development of financial and operational divisional and corporate performance indicators.

For: Australian National Line Ltd.

Rationalisation Program (1987)

Alternative strategies for the rationalisation of major international shipping services, review of objectives, marketing audit, services review and financial assessment.

For: Australian National Line Ltd.

International Shipping Joint Venture (1987)

Assessment of proposed joint venture between major international maritime transport companies, Legislative considerations, financial performance and structures, reviews of business entities, management structures and services.

For: Australian National Line Ltd.

Shipping Industry Videotex Service (1987)

Market analysis, feasibility of technology, joint venture analysis, financial evaluation, development of an appropriate implementation program.

For: Australian National Line.

Freight Forwarder Acquisition (1986/87)

Development of strategy and the implementation program for the acquisition of a freight forwarder(s).

For: Australian National Line Ltd.

Implementation of Marketing Planning in ANL (1986/87)

Marketing objectives, marketing audits, issue and SWOT analysis, marketing strategies and implementation.

For: Australian National Line Ltd.

Development of a Packaged Financial Application Software (1986)

Definition and development of an interactive corporate financial model.

For: Australian National Line Ltd.

Development and Implementation of Corporate Plans (1985/86)

Preparation of vision/mission statements, marketing and service planing, integration of marketing planning to the budgetary process and development of the corporate planning process.

For: Australian National Line Ltd.

SUMMARY OF CAPABILITY AND PROJECT EXPERIENCE OF JOHN APELBAUM

ADVOCACY AND INVESTIGATION

Expert advocacy, research and investigation.

CAPABILITIES

- ***Research and Analysis***
- ***Evaluation and Feasibility***
- ***Verbal and Written Submissions.***

PROJECT EXPERIENCE

ABS TSUG, Brisbane (2008)

For: Australian Logistics Council.

TEMV Design (2008)

For: Victorian Department of Transport.

MUA Shipping And Emissions Project (2007)

For: The Australia Institute Ltd.

Potential For Reducing Victoria's Greenhouse Gas Emissions – Expert Panel (2007)

For: Nous Group.

National Emissions Trading Taskforce (2007)

For: Department of Environment and Climate Change.

The National Environment Protection Measure For Diesel Vehicle Emissions (2001)

For: Australian Trucking Association.

Australian Senate, Environment, Communications, Information Technology And The Arts, Legislation Committee (1999)

On Behalf Of: Australian Trucking Association.

House Of Representatives Standing Committee For Long Term Strategies - Alternative Energy (1992)

Invited Speaker.

The Effect Of Port Leasing Policies On Competition And Efficiency (1992)

On Behalf Of: National Terminals (Australia) Limited.

Impact Of Australian Shipping On The Balance Of Payments (1988)

On Behalf Of: Australian Shipowners Association Ltd.

Melbourne Public Transit Industry Plan (1987)

On Behalf Of: Victorian Taxi Association (as Consultant).

Royal Commission Into Grain Storage, Handling And Transport (1987)

On Behalf Of: Australian National Line Ltd.

Inter-State Commission - Piggy Back Rail Services (1987)

On Behalf Of: Australian National Line Ltd.

Multilateral Trade Negotiations (1987)

On Behalf Of: Australian National Line Ltd.

The Port Of Melbourne - Future Directions (1987)

On Behalf Of: Australian National Line/Australian Shipowners Association Ltd.

SUMMARY OF CAPABILITY AND PROJECT EXPERIENCE OF JOHN APELBAUM

SURVEYS

Contemporary survey design and analysis to identify the major factors influencing decisions and behaviour.

CAPABILITIES

- ***Preliminary Survey Planning***
- ***Sample Design***
- ***Survey Form Design***
- ***Pilot Surveys***
- ***Survey Administration***
- ***Interviews***
- ***Analysis and Presentation of Results.***

PROJECT EXPERIENCE

Australian Railway Industry Surveys (2004 - 2008)

Project design, sample design, survey form design and pilot survey, interviews, coding, editing, and analysis. Incorporates financial and operational performance, transport task by corridor and fuel consumption.

For: Australasian Railway Association Inc.

Australian Transport Facts Surveys (1995 - 2008)

Annual surveys of the Australian rail, sea, road and pipelines sectors incorporating sample design, survey form design, coding, editing, and analysis. .

For: Australian Transport Facts Publication.

Impact Of AMSA Charges On The Shipping Industry (1996)

Detail the significance of AMSA charges on shipping costs. The work program encompassed a survey of Shipowners, managers and operators and the development of an index to measure the movement of AMSA charges over time.

For: Australian Maritime Safety Authority.

Market Prospects For The Proposed NGV Body (1995)

Project design, survey form design, interviews, coding, editing and analysis.

For: The Australian Gas Association.

Australian Shipping Industry Survey (1990 - 1996)

Project design, sample design, survey form design and pilot survey, interviews, coding, editing, and analysis. Incorporates financial and operational performance, industrial relations issues.

For: Australian Shipowners Association Ltd.

Coal Terminals (1989)

Survey of the operational, financial, production and labour attributes of coal terminals in NSW and Queensland.

For: Inter-State Commission.

World Trade Centre Transport Study (1985)

Survey of traffic generation characteristics of exhibition visitors and exhibitors.

For: Port of Melbourne Authority.

SUMMARY OF CAPABILITY AND PROJECT EXPERIENCE OF JOHN APELBAUM

SPEAKER AND PUBLISHER

CAPABILITIES

- *Lectures*
- *Conference Speaker*
- *Keynote Address*
- *Conference Papers and Publisher*

RECENT EXPERIENCE

“New Energy Indicators For Transport: The Way Forward” (2008)

John Apelbaum - Speaker at the International Energy Agency, International Transport Forum, Paris, 28-29 January 2008.

“The Future Freight Task and Business Challenges” (2003)

John Apelbaum - Speaker at the ATA Australian Trucking Convention 2003.

“The Impact Of Buses On The Environment” (2001)

John Apelbaum - Speaker at the Inaugural BIC Convention 2001.

“Diesel Emissions And Trucking” (2001)

John Apelbaum - Speaker at the Diesel Emissions Seminar held at the Parliament House Theatre.

“The ATA Environmental Program” (2001)

John Apelbaum - Speaker at the ATA Australian Trucking Convention 2001.

“Will Environmental Issues Kill The Trucking Industry” (2000)

John Apelbaum - Speaker at the ATA Australian Trucking Convention 2000.

“Managing Environmental Issues (1999)

John Apelbaum - Speaker at the ATA/ARTSA Technical And Maintenance Conference ‘99.

“Who Cares About The Environment” (1999)

John Apelbaum - Speaker at the ATA Australian Trucking Convention ‘99.

“Environment & Heavy Vehicles - Future Testing, Regulation & the Workshops Role” (1998)

John Apelbaum - Speaker at the RTF/ARTSA Technical & Maintenance Conference ‘98.

“How To Be Green And Competitive” (1998)

John Apelbaum - Speaker at the RTF Australian Trucking Convention ‘98.

“Urban Freight - What’s needed for a successful operation” (1997)

John Apelbaum - Speaker at the National Freight Congress & Transport Expo.

“Modal Competition” (1997)

John Apelbaum - Speaker and publisher - 1997 Road Vs Rail - IBC Conferences.

“Leaner, Greener And Still In Business” (1996)

John Apelbaum - Speaker at the 1996 National Road Transport Convention.

“Twenty-First Century Shipping Symposium” (1995)

John Apelbaum - Speaker and publisher.

“Key Issues In Maritime Safety And Maintenance” (1995)

John Apelbaum - Speaker and publisher - 1995 Transport Safety Forum - IIR Conferences.

“Impact Of Extending Shelf Life On Distribution Costs And Demand” (1995)

John Apelbaum - Speaker at the Dairy Research and Development Corporation Program workshop on Short Shelf Life Products.

"Do Truckies Give A Damn About The Environment" (1995)

John Apelbaum - Speaker at the mock Parliamentary debate at the National RTF Convention.

"Competitiveness Of Australian Shipping: Is Australian Shipping Internationally Competitive" (1994)

John Apelbaum - Speaker and Publisher at the "Aus-Ship '95" Seminar - Australian Maritime College.

"What's Wrong With Australian Shipping" (1994)

John Apelbaum - Speaker at the Victorian Branch of the Maritime Law Association of Australia and New Zealand. Speech published in its entirety in the Daily Commercial News.

PAPERS AND PUBLICATIONS

Apelbaum Consulting Group (Annual) "Australian Transport Facts ", Prepared and published by the Apelbaum Consulting Group Pty Ltd. An authoritative source of data, trends (to 2008) and ten year forecasts pertaining to the Australian transport task, energy consumed and associated emissions. The publication provides detailed information on road, rail, sea, air and pipeline transport.

Apelbaum Consulting Group (2003-Annual), "Australian Rail Industry Report", Published by the Australasian Railway Association Inc.

Apelbaum Consulting Group (2004), "Australian Rail – The 2004 Productivity Report", Published by the Australasian Railway Association Inc.

Apelbaum Consulting Group (1996-2006), "Australian Maritime Transport", Published by the Australian Shipowners Association.

Close, W.H. and Apelbaum J.P. (2001), "A Review of the Noise Related Australian Design Rules and Engine Brake Noise", Published by the National Road Transport Commission, ISBN 0642544816;

Apelbaum J.P. (2000), " Transport – What Can We Realistically Expect", Proceedings of Greenhouse Gases – Meeting Our Bottom Line, Published by Australian Academy of Science ISBN 0858472163

Cox, J. and Apelbaum J.P. (1999), "Existing Vehicle Characteristics and The Modelling of Transport Demand, Vehicle Populations and Emissions", Published by the National Environment Protection Council, ISBN 0642323151;

Apelbaum, J.P. (1999), “*Road Freight Environment and Greenhouse Challenge – Workbook*”,
Published by the Australian Greenhouse Office and the Road Transport Forum;

Apelbaum, J.P. (1995) “*The Impact Of Reform On The Competitiveness Of Australian Shipping*”.
In the proceedings of the 1995 Twenty-First Century Shipping Symposium.

Apelbaum, J.P. (1995) “*Key Issues In Maritime Transport*”. In the proceedings of the 1995
Australian Transport Safety Forum, IIR.

Apelbaum, J.P. (1994), “*Competitiveness Of Australian Shipping: Is Australian Shipping
Internationally Competitive*”. Published in “Aus-Ship '94” Seminar Proceedings, Australian
Maritime College, pp 130-134.

Apelbaum, J.P. (1994), “*What's Wrong With Australian Shipping*”, Published in the Daily
Commercial News, 20 May 1994.

Apelbaum, J.P. (1992), “*The Coalition’s Goods and Services Tax and The Australian Shipping Industry*”,
Occasional Paper No.7, Published by the Australian National Maritime Association;

Apelbaum, J.P. and James, M.L. (1983), “*Testing And Comparison Of Alternative Traffic
Assignment Techniques For The Greater Melbourne Road Network*”, Eighth Australian Transport
Research Forum Vol 2, pp 171-205, May 1983.

Apelbaum, J.P. (1980) “*Modelling Airport Ground Access*”. Proceedings 10th ARRB Conference
10 (5), pp 551-562 August 1980.

Apelbaum, J.P. and Richardson, A.J. (1978), “*An Airport Ground Access Model*” Australian Road
Research Journal, June 1978, Vol B, No 2, pp 3-12.

Apelbaum, J.P. and Richardson, A.J. (1978), “*Airport Access Volumes From Airline Schedules - A
Discussion*”, American Society of Civil Engineers, Transportation Journal, Vol 104, Note 1,
January 1978, pp 117-120.