

**Senate Standing Committee on Environment and Communications
Legislation Committee**

Budget Estimates 2012-13, 21 May 2012

Answers to Questions on Notice

Climate Change and Energy Efficiency Portfolio

Outcome:	1	Question No:	111
Program:	1.3		
Division:	ASCD		
Topic:	COAG		
Hansard Page EC:	EC97		

Senator MILNE: Maybe I could ask the minister. Is there any process through COAG to try to get some greater uniformity around the country on this question of an agreement about indemnifying to a degree or limit or whatever in relation to various states and local government?

Senator Wong: Not that I am aware of specifically, but I can take that on notice in terms of the various discussions. I do not recall in the context of the COAG that being on the agenda. I do not know if there is any other interjurisdictional ministerial council where this is being considered, but I will take it on notice.

Answer:

The Council of Australian Governments (COAG) Select Council on Climate Change (SCCC) is charged with developing national adaptation priorities for agreement by COAG and work plans for these priorities, as part of its Terms of Reference.

The SCCC held its inaugural meeting on 4 May 2012. At the meeting, the SCCC agreed to recommend seven national priorities for collaborative adaptation action to COAG:

- water resources;
- coasts;
- infrastructure;
- natural ecosystem;
- agriculture;
- emergency management; and
- vulnerable communities.

The SCCC also agreed that an Adaptation Working Group be established to develop work plans for the proposed national priorities. The coastal work plan will have an element on clarifying legal liability for local governments.

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Outcome:	1	Question No:	112
Program:	1.3		
Division:	ASCD		
Topic:	Program Payments		
Hansard Page EC:	Written		

Senator Birmingham asked:

For each of the following programs, please detail all payments made in the financial year 2011-12. To what organisations or individuals was each payment made? Are payments made as lump sums or against specific milestones? Please detail what milestones or outcomes are expected from each grant?

- a) Australian Climate Change Science Program
- b) Bilateral Climate Change Partnership Program
- c) Climate Change Adaptation Program
- d) Influencing International Climate Change
- e) International Climate Change Adaptation Initiative
- f) Local Adaptation Pathways Program

Answer:

A complete breakdown of all payments for 2011-12 for the requested programs is provided at [Attachment A](#). This table indicates the organisations and/or individual each payment was made to, whether the payment was a lump sum or milestone payment, and the outcomes of each payment.

The Bilateral Climate Change Partnerships Program is a sub-program of the Influencing International Climate Change Program. As such, payments made under the Bilateral Climate Change Partnership Program are reported under the Influencing International Climate Change Program section in [Attachment A](#).

The Local Adaptation Pathways Program is a sub-program of the Australian Centre for Climate Change Adaptation Program. As such, payments made under the Local Adaptation Pathways Program are reported under the Australian Centre for Climate Change Adaptation Program section in [Attachment A](#).

All payments for the 2011-12 financial year are reported.

Program Payments for 2011-12

ATTACHMENT A

Program	Organisation (if appropriate)	Individual (if appropriate)	Payments made in 2011-12 (GST exclusive)	Lump sum or milestones	Milestone/Outcome from each grant
<i>Australian Climate Change Science Program</i>	CSIRO		\$1,400,000	Milestone	Initial payment to CSIRO for fundamental climate change science research.
	CSIRO		\$1,400,000	Milestone	Progress payment 2 to CSIRO for fundamental climate change science research.
	CSIRO		\$1,400,000	Milestone	Progress payment 3 to CSIRO for fundamental climate change science research.
	CSIRO		\$1,242,000	Milestone	Final payment to CSIRO for fundamental climate change science research.
	Bureau of Meteorology		\$563,000	Milestone	Initial payment to BoM for fundamental climate change science research.
	Bureau of Meteorology		\$563,000	Milestone	Progress payment 2 to BoM for fundamental climate change science research.
	Bureau of Meteorology		\$563,000	Milestone	Final payment to BoM for fundamental climate change science research.
	Australian Academy of Science		\$200,000	Lump sum	Lump sum payment for Australia's membership in international science programs.
	Australian National University		\$158,552	Milestone	Final payment to ANU for utilisation of climate data from the GRACE space mission and related research.
	Centre of Excellence for Climate System Science (University of NSW)		\$100,000	Milestone	Payment on delivery of the Annual Report for the Centre.
	Antarctic Climate and Ecosystems Cooperative Research Centre		\$150,000	Lump sum	Lump sum payment for ocean acidification research.
	University of NSW		\$60,000	Milestone	Initial payment to support UNSW to examine the psychological factors underlying individual and collective cognitive understanding of climate science and the motivation to change behaviour.

Program	Organisation (if appropriate)	Individual (if appropriate)	Payments made in 2011-12 (GST exclusive)	Lump sum or milestones	Milestone/Outcome from each grant
<i>Australian Centre for Climate Change Adaptation Program</i>	South Eastern Australian Climate Initiative		\$133,334	Milestone	Progress Payment on receipt of annual report of progress of climate change science research conducted through the South Eastern Australian Climate Initiative.
	South Eastern Australian Climate Initiative		\$133,334	Milestone	Final Payment on receipt of draft synthesis report of research conducted throughout Phase 2 of the South Eastern Australian Climate Initiative.
	South East Queensland Climate Adaptation Research Initiative		\$257,575	Milestone	Final Payment on receipt of the final program report along with 5 of the expected 11 papers (in draft form) to be published in a special issue of the Journal of Regional Environmental Change.
	International Council for Local Environmental Initiatives (ICLEI)		\$45,000	Milestone	Hold Local Adaptation Pathways Project (LAPP) forum with local governments
	International Council for Local Environmental Initiatives (ICLEI)		-\$23,182.85	Milestone	Milestone 3 – refund for unspent funds from travel assistance to hold Local Adaptation Pathways Project (LAPP) forum with local governments
	Pricewaterhouse Coopers		\$2,060	Milestone	Case study reports for the evaluation of the Local Adaptation Pathways Program.
	ANU Enterprise		\$150,000	Milestone	Initial payment to support ANU Enterprise to examine the economics of adaptation and provide an analytical framework.
	ANU Enterprise		\$60,000	Milestone	Milestone payment for holding roundtable with economic thought leaders.
	ANU Enterprise		-\$43,914.47	Lump	Recovery of unspent funds - work was terminated on grounds of mutual convenience when Dr Neil Byron was appointed to the role of Commissioner on the Productivity Commission's Inquiry on barriers to adaptation.

	Standards Australia		\$15,000	Milestone	Completion of milestone 4 – standard for climate change adaptation for settlements and infrastructure released for public comment
	Standards Australia		\$809.01	Lump	Travel allowance for Chair – meetings to develop standard for climate change adaptation for settlements and infrastructure
	Broadleaf Capital International Pty Ltd		\$40,000	Milestone	Part payment for professional fees and services associated with the development of infrastructure guideline booklets for adaptation to climate change.
	Broadleaf Capital International Pty Ltd		\$40,000	Milestone	Final payment for professional fees and services associated with the development of infrastructure guideline booklets for adaptation to climate change.
	Pricewaterhouse Coopers		\$27,272.73	Milestone	Final Report payment – research and development services for a scoping study for a national heatwave warning and response framework.
	Maddocks		\$33,698.66	Milestone	Professional fees in relation to Report on Role of Regulation in facilitating or constraining adaptation to climate change for Australian infrastructure - Chapters 1 and 2 completed.
	Maddocks		\$25,393.5	Milestone	Professional fees in relation to Report on regulatory barriers and constraints to adaptation – draft report completed.
	Maddocks		\$25,393.5	Milestone	Professional fees in relation to Report on regulatory barriers and constraints to adaptation – final report completed
	Engineers Australia		\$14,703.15	Milestone	Draft report – Transport Infrastructure and Climate Change: Assess and Building Adaptive Capacity to Enhance Resilience
	Engineers Australia		\$10,502.25	Milestone	Final report – Transport Infrastructure and Climate Change: Assess and Building Adaptive Capacity to Enhance Resilience
	GeoScience Australia		\$45,000	Milestone	Final payment for delivery of report - national assessment of wind risk
	Local Government Association of Tasmania		\$200,000	Milestone	Delivery of acceptable progress report.

	Local Government Association of Tasmania		\$100,000	Milestone	Delivery of draft final report. The project will progress four coastal Tasmanian councils (Break O'Day, Clarence, Kingborough, Latrobe) in adaptation planning. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
	Municipal Association of Victoria		\$250,000	Milestone	Delivery of acceptable progress report
	Municipal Association of Victoria		\$50,000	Milestone	Delivery of acceptable draft final report. The project will develop adaptation pathways for four coastal Victorian councils (Port Phillip, Kingston, Mornington Peninsula, and Melbourne). Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
	Victorian Department of Sustainability and Environment for the Western Coastal Board		\$58,000	Milestone	Delivery of acceptable progress report
	Victorian Department of Sustainability and Environment for the Western Coastal Board		\$29,000	Milestone	Delivery of acceptable draft final report. The project will inform adaptation planning using case studies of nine coastal caravan and camping parks on public land. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
	Water Services Association of Australia		\$225,000	Milestone	Delivery of acceptable progress report
	Water Services Association of Australia		\$50,000	Milestone	Delivery of acceptable draft final report. Develop a software tool to assist water utilities to quantify and manage climate change impacts, with an initial focus on impacts to wastewater systems and later on water supply assets for Water Services Association of Australia partners. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
	Sunshine Coast Regional Council		\$115,000	Milestone	Signing of contract.

Sunshine Coast Regional Council		\$115,000	Milestone	Delivery of acceptable progress report.
Sunshine Coast Regional Council		\$20,000	Milestone	Delivery of acceptable draft final report. The project will develop and pilot a resilience rating tool for residential buildings in the context of a changing climate and develop and apply a cost-effectiveness analysis tool for local government. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
Sydney Coastal Councils Group		\$104,000	Milestone	Signing of contract.
Sydney Coastal Councils Group		\$104,000	Milestone	Delivery of acceptable progress report.
Sydney Coastal Councils Group		\$52,000	Milestone	Delivery of acceptable draft final report. The project will assist Local and State Governments evaluate the robustness and condition of existing seawalls for coastal climate change protection including options for upgrades to accommodate sea level rise. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
Sydney Coastal Councils Group		\$100,000	Milestone	Delivery of acceptable progress report.
Sydney Coastal Councils Group		\$40,000	Milestone	Delivery of acceptable draft final report. The project will identify water infrastructure vulnerable to climate change impacts and produce guidance to asset management on how best to managing interconnected water infrastructure across authority boundaries and address climate risks. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
Sydney Coastal Councils Group		\$20,000	Milestone	Detailed project plan and budget.
Sydney Coastal Councils Group		\$180,000	Milestone	Delivery of acceptable progress report.

Sydney Coastal Councils Group		\$90,000	Milestone	Delivery of acceptable draft final report. The project will develop decision support for local government to better assess options to manage risk in coastal areas in the face of climate change. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
Local Government Association of Queensland		\$138,000	Milestone	Delivery of acceptable progress report.
Local Government Association of Queensland		\$69,000	Milestone	Delivery of acceptable draft final report. The project will deliver a Coastal Hazard Adaptation Strategy for Townsville City Council, including a cost benefit analysis methodology and guidance on leading practice community engagement strategies for coastal local governments in Queensland. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
Hunter Councils Incorporated (NSW)		\$110,000	Milestone	Detailed project plan and budget.
Hunter Councils Incorporated (NSW)		\$40,000	Milestone	Delivery of acceptable progress report.
Hunter Councils Incorporated (NSW)		\$40,000	Milestone	Delivery of acceptable draft final report. The project will help Hunter, Central & Lower North Coast regions of NSW coastal councils implement adaptation decisions in a consistent and transparent process for existing and new land use and infrastructure decisions. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
Local Government Association of South Australia		\$120,000	Milestone	Delivery of acceptable progress report.
Local Government Association of South Australia		\$80,000	Milestone	Delivery of acceptable draft final report. The project will develop an integrated decision support tool, including financial management software, to help local government determine cost effective management options for adapting to climate change with a focus on residential and commercial buildings. The tool will be piloted with four

					councils in South Australia. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
	City of Mandurah for the Peron Naturaliste Partnerships (WA)		\$160,000	Milestone	On achievement of milestone one.
	City of Mandurah for the Peron Naturaliste Partnerships (WA)		\$160,000	Milestone	Delivery of acceptable progress report.
	City of Mandurah for the Peron Naturaliste Partnerships (WA)		\$80,000	Milestone	Delivery of acceptable draft final report. Undertake an economic analysis of coastal climate change adaptation options for the Peron Naturaliste coastal region of Western Australia. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
	South East Councils Climate Change Alliance (Vic)		\$70,000	Milestone	Delivery of acceptable progress report.
	South East Councils Climate Change Alliance (Vic)		\$30,000	Milestone	Delivery of acceptable draft final report. Develop guidance for four Western Port councils to address climate risks in planning decisions. Project will demonstrate how decision makers and businesses can target investment to prepare for longer-term climate change impacts.
	Antarctic Climate & Ecosystems Cooperative Research Centre		\$265,000	Milestone	Delivery of acceptable progress report.
	Antarctic Climate & Ecosystems Cooperative Research Centre		\$70,220	Milestone	Delivery of acceptable draft final report. The project will further develop a sea-level rise decision support tool, to estimate coastal inundation and erosion from sea level rise. The tool will provide users such as policymakers, planners and asset managers, with estimated likelihoods of future flooding.

Spatial Information Systems Research Limited		\$1,018,182	Milestone	Delivery of acceptable progress report. The project will acquire and process high resolution coastal elevation data for priority urban areas, deliver through online portal; develop applied products and address key research issues
Geoscience Australia		\$170,000	Milestone	Delivery of datasets via MapConnect.
Geoscience Australia		\$40,000	Milestone	Delivery of final project report. Project is to develop capacity to distribute coastal geomorphology datasets online to improve accessibility of key data for coastal vulnerability.
Geoscience Australia		\$16,000	Milestone	Delivery of final project report. Project to pilot methods to integrate coastal erosion and flooding methods to understand climate risk at a local scale using a case study in Mandurah WA.
Engineers Australia		\$100,000	Milestone	Delivery of draft final report for two guides.
Engineers Australia		\$50,000	Milestone	Delivery of draft final report for third guides. Project will update two engineering guidelines and produce a new third guide identifying the range of engineering options to address coastal hazards in a changing climate.
CSIRO		\$53,221	Milestone	Delivery of draft final report to an acceptable standard to the Department. The project will assist decision makers compare ecosystems' values with the dollar values of the benefits of protecting houses and the costs of action.
James Cook University		\$110,000	Milestone	Progress report detailing the SE season field studies and an inventory of threatened infrastructure for all island communities participating in the project.
James Cook University		\$90,000	Milestone	Delivery of a final report and summary for the 13 Torres Strait Islands assessing erosion and inundation impacts.

Program	Organisation (if appropriate)	Individual (if appropriate)	Payments made in 2011-12 (GST exclusive)	Lump sum or milestones	Milestone/Outcome from each grant
<i>Influencing International Climate Change</i>	Intergovernmental Panel on Climate Change (IPCC)		\$120,000	Lump sum	Annual voluntary contribution to the IPCC for the 2011 calendar year.
	Intergovernmental Panel on Climate Change (IPCC)		\$120,000	Lump sum	Annual voluntary contribution to the IPCC for the 2012 calendar year.
	Bureau of Meteorology	Dr Scott Power	\$10,000	Milestone	Funding to support Dr Power to engage a research assistant to support his role as a Coordinating Lead Author in the IPCC and to develop Working Group 1, Chapter 11 of the IPCC Fifth Assessment Report (AR5).
	Bureau of Meteorology	Dr Scott Power	\$20,000	Milestone	Funding to cover costs for Dr Power to participate in author meetings to develop the IPCC AR5 Synthesis Report, and submit author meeting reports and financial report to the Department.
	CSIRO	Dr John Church, Dr Steve Rintoul	\$20,000	Milestone	Funding to support Dr Church and Dr Rintoul to engage research assistants to support their roles as Coordinating Lead Authors in the IPCC and to develop Working Group I, Chapters 13 and 3 respectively, of the IPCC AR5.
	Curtin University	Professor Peter Newman	\$27,500	Milestone	Funding to cover costs for Professor Newman to participate in author meetings to develop the IPCC AR5, Working Group III, Chapter 8, and submit author meeting reports and financial report to the Department.
	Griffith University	Professor Roger Kitching	\$5,000	Milestone	Funding to support Professor Kitching to engage a research assistant to support his role as a Coordinating Lead Author in the IPCC and to develop Working Group II, Chapter 25 of the IPCC AR5.
	Griffith University	Professor Roger Kitching, Professor Stuart Bunn	\$55,000	Milestone	Funding to cover costs for Professor Kitching and Professor Bunn to participate in author meetings to develop the IPCC AR5, Working Group II, Chapter 25 and 4 respectively, and author meeting and financial reports submit to the Department.
	Griffith University	Professor Jean Palutikof	\$22,000	Milestone	Funding to cover costs for Professor Palutikof to participate in author meetings to develop the IPCC AR5, Working Group II, Chapter 1, and submit author meeting reports and financial reports to the Department.

Griffith University	Professor Roger Kitching	\$5,000	Milestone	Funding to support Professor Kitching to engage a research assistant to support his role as a Coordinating Lead Author in the IPCC and to develop Working Group II, Chapter 25 of the IPCC AR5.
Macquarie University	Professor Lesley Hughes	\$27,500	Milestone	Funding to cover costs for Professor Hughes to participate in author meetings to develop the IPCC AR5, Working Group II, Chapter 25, and submit author meeting and financial reports to the Department.
Monash University	Professor Christian Jakob, Associate Professor Damon Honnery	\$27,500	Milestone	Funding to cover costs for Professor Jakob and Associate Professor Honnery to participate in author meetings to develop the IPCC AR5, Working Group I Chapter 9, and Working Group III, Chapter 7 respectively, and submit author meeting and financial reports to the Department.
Murdoch University	Professor Richard Harper	\$27,500	Milestone	Funding to cover costs for Professor Harper to participate in author meetings to develop the IPCC AR5, Working Group III, Chapter 11, and submit author meeting and financial reports to the Department.
University of Melbourne	Professor Jon Barnett, Professor David Karoly	\$49,500	Milestone	Funding to cover costs for Professor Barnett and Professor Karoly to participate in author meetings to develop the IPCC AR5, Working Group II, Chapters 12 and 25, respectively and submit author meeting and financial reports to the Department.
University of Queensland	Professor Ove Hoegh-Guldberg	\$27,500	Milestone	Funding to cover costs for Professor Hoegh-Guldberg to participate in author meetings to develop the IPCC AR5, Working Group II, Chapter 30, and submit author meeting and financial reports to the Department.
University of Queensland	Professor Ove Hoegh-Guldberg	\$10,000	Milestone	Funding to support Professor Hoegh-Guldberg to engage a research assistant to support his role as a Coordinating Lead Author in the IPCC and to develop Working Group II, Chapter 30 of the IPCC AR5.
Victoria University	Professor Roger Jones	\$27,500	Milestone	Funding to cover costs for Professor Jones to participate in author meetings to develop the IPCC AR5, Working Group II, Chapter 2, and submit author meeting and financial reports to the Department.
Victoria University	Professor Roger Jones	\$10,000	Milestone	Funding to support Professor Jones to engage a research assistant to support his role as a Coordinating Lead Author and to develop Working Group II, Chapter 2 of the AR5.

		Dr Habiba Gitay	\$22,000	Lump Sum	Funding to cover costs for Dr Gitay to participate in author meetings to develop the IPCC AR5, Working Group II, Chapter 16, and submit author meeting and financial reports to the Department.
		Dr Ian Noble	\$10,000	Milestone	Funding to cover costs for Dr Noble to participate in author meetings and engage research assistant to develop the IPCC AR5, Working Group II, Chapter 14, and submit author meeting and financial reports to the Department.
		Dr Sandra Schuster	\$27,500	Milestone	Funding to cover costs for Dr Schuster to participate in author meetings to develop the IPCC AR5, Working Group II, Chapter 25, and submit author meeting and financial reports to the Department.
		Dr Noim Uddin	\$27,500	Milestone	Funding to cover costs for Dr Uddin to participate in author meetings to develop the IPCC AR5, Working Group III, Chapter 14, and submit author meeting and financial reports to the Department.
	Australian Institute of Marine Science	Dr Dan Alongi	\$33,000	Lump Sum	Funding to cover costs for Dr Alongi to participate in author meetings to develop the IPCC 2013 Supplement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands, and submit author meeting and financial reports to the Department.
	University of New England	Professor Patrick Nunn	\$8,000	Lump Sum	Funding to cover costs for Professor Nunn to participate in author meetings to develop the IPCC AR5, Working Group I, Chapter 13, and submit author meeting and financial reports to the Department.
	Antarctic Climate and Ecosystems Cooperative Research Council	Professor Nathan Bindoff	\$10,000	Milestone	Funding to support Professor Bindoff to engage a research assistant to support his role as a Coordinating Lead Author in the IPCC and to develop Working Group I, Chapter 10 of the IPCC AR5.
	ADFA/UNSW	Professor Roger McLean	\$10,000	Milestone	Funding to support Professor McLean to engage a research assistant to support his role as a Coordinating Lead Author in the IPCC and to develop Working Group II, Chapter 29 of the IPCC AR5.
	Wrest Point		\$85,000	Milestone	Provision of conference facilities to host the IPCC, Fourth Lead Author Meeting for Working Group I for the IPCC AR5 in Hobart, Australia.

	5th Cartagena Dialogue group of progressive countries		217,000	Milestones	Funding contribution for the 5th Cartagena Dialogue group of progressive countries (Samoa, July 2011). Funding support for this group assisted in consolidating its significant role and influence in the lead up to COP17.
	UNFCCC		350,000	Lump sum	To support additional negotiations between Parties on proposals for possible adoption at COP 17 in Durban.
	UNFCCC		380,000	Lump Sum	UNFCCC annual contribution (similar to a “membership fee”).
	UNFCCC		210,000	Lump Sum	Kyoto Protocol annual contribution (similar to a “membership fee”).
	LSSA South Africa		\$18,000	Lump Sum	Australian Government sponsorship of the Law Society of South Africa’s ‘Climate Law and Governance in the Global South Conference’ in Durban, South Africa. This not for profit event brought together developing lawyers to discuss the governance and legal requirements necessary for effective climate change action, including market access.
	Asia Pacific Seminar on Climate Change		\$28,228	Lump Sum	Australia’s contribution to the meeting (March 2012 in Thailand) is to support travel by pacific island country delegates to the seminar which is aimed at capacity building and information exchange on issues under negotiation in the UNFCCC.
		Various	\$275,000	Milestones	The Department’s newly established Special Climate Visitors Program (SCVP) is an international visitors program designed to bring to Australia influential or potentially influential individuals who can contribute to a greater mutual understanding on climate change between Australia and other countries.
	ISSD		\$30,000	Lump Sum	Funding support for International Sustainable Development - Earth Negotiations Bulletin. These funds support ongoing detailed timely reporting on negotiations and assists developing countries engage in UNFCCC processes.
	OECD		\$60,000	Lump Sum	Funding support for the policy development work of the OECD Climate Change Expert Group (CCGX)
	Monash Uni		\$430,000	Milestones	Economic and policy analysis to support emissions trading scheme design in China, Phase I of a joint project by Monash University and China’s National Development and Reform Commission (NDRC) State Information Centre
	Victoria Uni		\$245,000	Milestones	Victoria University and China’s Energy Research Institute to produce a low carbon roadmap for the Chinese cities of Tianjin and Shenzhen

Program	Organisation (if appropriate)	Individual (if appropriate)	Payments made in 2011-12 (GST exclusive)	Lump sum or milestones	Milestone/Outcome from each grant
<i>International Climate Change Adaptation Initiative</i>	CSIRO		\$5,935,300	Milestone	Initial payment to CSIRO for fundamental climate change science research
	Bureau of Meteorology		\$5,814,600	Milestone	Initial payment to BoM for fundamental climate change science research
	Secretariat of the Pacific Regional Environment Programme (SPREP)		\$150,000	Milestone	Initial payment to SPREP for targeted media training on climate change science and adaptation in the Pacific
	Secretariat of the Pacific Community-SPC		\$100,000	Lump sum	Lump sum payment for development of picture based toolkit on climate change for the Pacific education sector
	Cooperative Research Centre for Spatial Information		\$27,273	Milestone	Initial payment for technical project management for delivery of high resolution elevation data acquisition and coastal modelling
	Cooperative Research Centre for Spatial Information		\$13,636	Milestone	Progress payment 2 for technical project management for delivery of high resolution elevation data acquisition and coastal modelling
	Cooperative Research Centre for Spatial Information		\$10,636	Milestone	Progress payment 3 for technical project management for delivery of high resolution elevation data acquisition and coastal modelling
	Geoscience Australia		\$746,000	Milestone	Initial payment for the acquisition of Light Detection and Ranging (LiDAR), Imagery and derived products for Tonga
	Geoscience Australia		\$55,000	Milestone	Progress payment 2 for the acquisition of Light Detection and Ranging (LiDAR), Imagery and derived products for Tonga
	Geoscience Australia		\$35,000	Milestone	Progress payment 3 for the acquisition of Light Detection and Ranging (LiDAR), Imagery and derived products for Tonga
	Geoscience Australia		\$622,785	Milestone	Initial payment for the acquisition of Light Detection and Ranging (LiDAR), Imagery and derived products for PNG
	Geoscience Australia		\$695,000	Milestone	Initial payment for the acquisition of Light Detection and Ranging (LiDAR), Imagery and derived products for Vanuatu
	GHD Pty Ltd (NSW)		\$66,511	Milestone	Progress payment for expert advice and workshops on climate change adaptation in the Pacific and contribution to the Regional Overview
	GHD Pty Ltd (NSW)		\$60,156	Milestone	Progress payment for expert advice and workshops on climate change adaptation in the Pacific and contribution to the Regional Overview

GHD Pty Ltd (NSW)		\$25,741	Milestone	Progress payment for project travel costs
GHD Pty Ltd (NSW)		\$1,671	Milestone	Final payment for expert advice and workshops on climate change adaptation in the Pacific and contribution to the Regional Overview
GHD Pty Ltd (VIC)		\$79,951	Lump sum	Lump sum for report on the likely climate change impacts on infrastructure in the Pacific
GHD Pty Ltd (VIC)		\$5,653	Lump sum	Lump sum for project travel
The Australian National University		\$45,455	Milestone	Progress payment for a draft final report on the impacts of climate change on human health in the Pacific
The Australian National University		\$38,283	Milestone	Final payment for a final report on the impacts of climate change on human health in the Pacific
Charles Darwin University		\$16,062	Milestone	Progress payment for draft report on climate change impacts on groundwater and immediate adaptation measures in East Timor
Charles Darwin University		\$14,076	Milestone	Progress payment for project travel
Charles Darwin University		\$21,416	Milestone	Final payment for final report on climate change impacts on groundwater and immediate adaptation measures in East Timor
Charles Darwin University		\$1,364	Lump sum	Lump sum for East Timor report translation
Sharp Futures		\$1,335	Lump sum	Lump sum for travel and incidentals for facilitation of the Pacific Australia Climate Change Science and Adaptation Planning(PACCSAP) Program Conference
Sharp Futures		\$1,930	Lump sum	Lump sum for facilitation of the Pacific Australia Climate Change Science and Adaptation Planning(PACCSAP) Program Conference
Sharp Futures		\$17,452	Milestone	Initial payment on agreement of work program for a report on Pacific Island countries' vulnerability, capacity to adapt to climate change and future needs
Sharp Futures		\$23,269	Milestone	Progress payment for draft chapters of a report on Pacific Island countries' vulnerability, capacity to adapt to climate change and future needs
Sharp Futures		\$17,452	Milestone	Final payment for final chapters of a report on Pacific Island countries' vulnerability, capacity to adapt to climate change and future needs
Wordsworth Writing		\$3,400	Milestone	Progress payment for draft chapters of the Regional Overview report on vulnerability and adaptive capacity to climate change in the Pacific and East Timor

Wordsworth Writing		\$1,125	Milestone	Progress payment for draft chapters of the Regional Overview report on vulnerability and adaptive capacity to climate change in the Pacific and East Timor
International Union for Conservation of Nature (IUCN)		\$50,000	Milestone	Initial payment for the development of a framework for assessing the social and economic value of climate change adaptation in the Pacific region
International Union for Conservation of Nature (IUCN)		\$50,000	Milestone	Progress payment for draft analytical framework for assessing the social and economic value of climate change adaptation in the Pacific region
International Union for Conservation of Nature (IUCN)		\$41,645	Milestone	Final payment for framework for assessing the social and economic value of climate change adaptation in the Pacific region
International Union for Conservation of Nature (IUCN)		\$25,000	Lump sum	Lump sum for facilitation of expert review workshop to assess the social and economic value of climate change adaptation in the Pacific
Secretariat of the Pacific Community-SPC		\$50,000	Milestone	Progress payment for draft report on food security and climate change in the Pacific, including analysis of Household Income and Expenditure Survey data
Secretariat of the Pacific Community-SPC		\$28,050	Milestone	Final payment for final report on food security and climate change in the Pacific, including analysis of Household Income and Expenditure Survey data
Secretariat of the Pacific Community-SPC		\$20,000	Milestone	Final payment on final report Pacific Adaptation Strategies Assistance Program (PASAP) adaptive capacity case studies
Secretariat of the Pacific Community-SPC		\$60,149	Milestone	Progress payment for project to assess the impacts of climate change on food security in the Federated States of Micronesia (FSM)
Secretariat of the Pacific Community-SPC		\$215,864	Milestone	Progress payment for project to assess the impacts of climate change and sea level rise on the community of Lifuka Island, Ha'apia.
University of California Santa Barbara		\$85,000	Milestone	Final payment on draft final report on building social and ecological resilience to climate change in Roviana, Solomon Islands
Secretariat of the Pacific Regional Environment Programme (SPREP)		\$15,000	Lump sum	Lump sum contribution to Regional Meteorological Service Directors Meeting in Majuro, Marshall Islands
The University of Queensland		\$38,640	Milestone	Final payment on final report on building social and ecological resilience to climate change in Roviana, Solomon Islands