



CLIMATE^{AND}
HEALTH
ALLIANCE

ANNUAL REPORT

2016-17

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REPORT FROM CAHA PRESIDENT

Dr Peter Sainsbury, 30 October 2017

The Executive Director's report contains a comprehensive summary of CAHA's activities and achievements during 2016/17 and the Annual Report itself provides greater detail about some of these. I will focus on a few issues.

Operationally, the Global Green and Healthy Hospitals program (GGHH) and the campaign for a Framework for a National Strategy on Climate, Health and Wellbeing for Australia have been the focus of CAHA's activity during the past year. Both initiatives have met with considerable success.

The GGHH network continues to expand throughout Australia and New Zealand and provides much needed resources and support to hospitals and health services to become more environmentally sustainable and better prepared for the health effects of climate change.

The National Strategy campaign has been immensely successful, both through the research and policy development activities and the outreach and engagement effort. The success of the latter being well demonstrated by the 30-plus health organisations formally and actively supporting the campaign.

Following the launch of the Framework in June 2017, the campaign had a big win when the ALP announced their commitment to implement a plan based on the Framework when in government.

During the 2016/17 financial year the Committee of Management (CoM) placed considerable effort on strengthening the governance of CAHA through, for instance, recruiting new CoM members, senior executive and CoM succession planning, establishing Governance, Research and Policy, and Finance and Fundraising subcommittees, and strategic planning.

During 2016/17 several CoM members retired, including Terrona Ramsay (Koowereup Regional Health Service) Robyn Clay-Williams (Australian Institute of Health Innovation), and Brad Farrant after several years as an Independent Director.

Although the two resignations I refer to next occurred after June 2017, I think it is appropriate to refer to them here. Elizabeth Haworth (Friends of CAHA) resigned at the AGM in October after 6 years on the CoM; she has also been CAHA Secretary for the last year. Elizabeth has played a very important role in the Friends of CAHA and made a tremendous contribution to the CAHA CoM.

After approximately six years as President of CAHA Liz Hanna resigned in September 2017. Liz's tremendous expertise and experience made her a skilled and vocal advocate for greater political and public attention to issues concerning health and climate change. She has been an indefatigable champion for CAHA and her

phenomenal contribution to CAHA over a long period has been inspiring. Liz's colleagues on the CoM are immensely grateful for everything Liz has done.

Personally, and on behalf of all members of CAHA and Friends of CAHA, I wish to pay tribute to all of these retiring CoM members and thank them for all their work for CAHA. They have all contributed significantly to CAHA's achievements over recent years and have been wonderful colleagues.

I also wish to acknowledge and express appreciation for Fiona Armstrong's work in leading CAHA during the past and all previous years of CAHA's existence. It is impossible to adequately describe the range of activities or volume of work that Fiona does for CAHA. Suffice to say that her boundless energy and unrivalled experience and expertise across a wide range of areas related to climate change and health have been the key factor in all CAHA's successes. Fiona's contribution to tackling climate change in Australia has recently been recognised by the Public Health Association of Australia who awarded Fiona the highly prestigious Tony McMichael Public Health Ecology and Environment Award for 2017.

Finally, CAHA's activities would be severely constrained were it not for the work of the staff, interns, students and volunteers. The energy, skills and enthusiasm they bring to CAHA are greatly appreciated.

REPORT FROM EXECUTIVE DIRECTOR

CAHA has had one of its most successful years yet, with its ambitious commitment to the [Our Climate Our Health campaign](#) for a National Strategy on Climate, Health and Well-being bearing fruit. The Pacific region of the Global Green and Healthy Hospitals continues to grow, with the network now a vibrant hub and source of many success stories of sustainability in healthcare.

These two initiatives have been the core focus of CAHA's operations during 2016/17, the former supported by grants from the Lord Mayors Charitable Foundation, the Oak Foundation and the Sunrise Project, and the latter from a grant from CAHA's international partner Health Care Without Harm.

The Our Climate Our Health campaign was a strategic decision to address the major policy gap on climate change and health by developing evidence based policy to guide governments, informed by stakeholder perspectives.

Released in June 2017, the Framework for the National Strategy on Climate Health and Well-Being now provides a comprehensive roadmap for policymakers and communities in responding to the threat of climate change towards human health. It is intended to support the Australian government in meeting its commitments under the Paris Agreement to consider the 'right to health' in the context of climate policy decisions, and to ensure the co-benefits of mitigation are reflected in these.

A world-first initiative that has attracted national and international attention, the Framework outlines policy directions that could be taken at the federal, state/territory and local level across seven areas of policy actions, with over 50 specific policy recommendations.

The Framework has received extremely strong stakeholder support and recognition from policymakers and parliamentarians, as well as policy commitments, with the Federal Opposition declaring their intention (in government) to develop and implement a national plan on climate, health and well-being for Australia based on the Framework.

It is very exciting to see such a direct response to our advocacy, and the extent to which CAHA has engaged a broad cross section of stakeholders in this innovative and comprehensive policy framework is directly attributable to this. The message we have heard from political parties is that they feel confident to lead when there is a strong consensus among affected stakeholders – something we can confidently claim to have secured with over 30 major healthcare stakeholder groups declaring themselves Our Climate Our Health supporters.

As part of building capacity to achieve a national climate-health strategy, the CAHA Organising team have been working to develop advocacy skills among healthcare

professionals and students, and support them to engage with their peers, as well as with their local Member of Parliament.

Over 50 health professionals have now attended training sessions, learning how to talk about the health impacts of climate change, and how to confidently engage others. Around 350 other health professionals have joined the campaign, and are being supported to take further action. Another 200 supporters have emailed their MP calling on them to commit to effective policy responses to protect our health from climate change.

The Global Green and Healthy Hospitals (Pacific region) network goes from strength to strength. Another eight new members joined in 2017, bringing the total number of members to 37, representing over 600 hospitals and health services across Australia and New Zealand, an increase of 25% on 2016.

There is a growing sense of collaboration among members in the network, evidenced by the first-time partnership between CAHA, Western Health and the Institute for Hospital Engineers Australia, in jointly hosting a successful and well attended two-day forum on Environmental Sustainability in Healthcare in 2017.

There is a rich selection of case studies being generated by members in the network, providing the chance for others to learn from and build on the experiences of others.

Some examples include: an initiative to switch anesthetic gases at Western Health has delivered emissions reduction and cost savings; a program which combines mental health therapy and food production is reducing illness and joblessness in Waitemata, NZ; a recycling initiative in the operating theatres at Royal Melbourne Hospital has saved 187 tonnes of waste from landfill and saved \$230,000; staff and stakeholder engagement has increased recycling rates by 33% at Mater, Qld; almost \$100,000 saved from energy efficiency measures at UnitingCare Qld; and a study at Western Health has estimated that converting from single use to reusable equipment in an Australian hospital with six operating rooms would produce annual financial savings of approximately AUD\$32,000.

Building on these successes and scaling up the effort is a high priority. While the work is dynamic, funds have been scarce for work on climate change and health, although as awareness grows about the links, and the impact that groups such as CAHA can have, this is slowly changing.

With strong support from its members, the broader health sector, and the philanthropic sector, CAHA is in a strong position to expand its efforts to support health professionals and the health sector more broadly to become leaders for climate action, and promote environmental sustainability and health and wellbeing through changing practices and policy.

I would like to acknowledge the incredible support CAHA has received from its committed and hardworking board, staff, volunteers and interns, expert reference groups, subcommittees, and campaign working groups, without whom none of these achievements would have been possible.

Fiona Armstrong, October 2017

GOVERNANCE

COMMITTEE OF MANAGEMENT (CAHA BOARD)

The CAHA Committee of Management (CoM) 2016-17 included:



Dr Liz Hanna, CAHA President (to September 2017) (Australian College of Nursing)



Dr Peter Sainsbury, CAHA Vice President (to September 2017, then Acting President (Public Health Association of Australia)



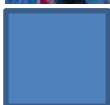
Dr Elizabeth Haworth, Secretary (co-director, Friends of CAHA)



Fiona Armstrong, CAHA Executive Director



Jo McCubbin, (co-director, Friends of CAHA)



Kim Daire, Treasurer (Independent Director)



Rebecca Patrick (Health, Nature Sustainability Research Group, Deakin University)



Lyn Morgain, CoHealth (from May 2017)



Dr Brad Farrant (Independent Director) (to March 2017)



Terrona Ramsay (Kooverup Regional Health Service, then Independent Director) (to October 2016)



Robyn Clay-Williams (Institute for Health Innovation) (to June 2016)

EXPERT ADVISORY COMMITTEE

CAHA's Expert Advisory Committee is a highly credentialled group of experts who provide a hugely valuable service in support of CAHA in sharing their expertise to ensure CAHA public statements and published papers are highly credible and are based on the best available scientific literature and evidence.

Members of the CAHA Expert Advisory Committee:

- Associate Professor Grant Blashki, Nossal Institute for Global Health, University of Melbourne
- Professor David Karoly, Federation Fellow in the School of Earth Sciences, University of Melbourne
- Professor Stephan Lewandowsky, School of Psychology, University of Western Australia
- Dr Peter Tait, Convenor, Ecology and Environment Special Interest Group, Public Health Association of Australia
- Professor Simon Chapman, Professor of Public Health, University of Sydney (retired 2016)
- Dr Susie Burke, Public Interest, Environment & Disaster Response, Australian Psychological Society
- Professor Colin Butler, College of Medicine, Biology and Environment, Australian National University
- Professor Garry Egger, School of Health & Human Sciences, Southern Cross University
- Professor John Wiseman, Melbourne Sustainable Societies Institute

All members of the expert advisory committee offer unique and informed perspectives on climate and health issues and CAHA is grateful for their willingness to contribute.

STAFF

CAHA was pleased to welcome Gabriel Dain, Phoebe Rountree, Bhavna Joshi, and Danielle Schutte to the team in 2017.

Gabriel joined the CAHA team to deliver on our Education and Capacity Building project, made possible by a grant from the Lord Mayors Charitable Foundation.

Phoebe Rountree came on board as an Organiser, with this position partly funded by the LMCF grant and a grant from the Oak Foundation.

Danielle Schutte joined CAHA as an Intern – Advocacy and Organising, thanks to a grant from the Sunrise Project.

Bhavna has taken over from Sheryl Thompson as Administration / Bookkeeper to manage CAHA's financial accounts and provide administrative support.

Fiona Armstrong served in the role as Executive Director in an honorary capacity.

MEMBERS

List of Members:

Australian Association of Social Workers (AASW)
 Australian College of Nursing (ACN)
 Australian Council of Social Service (ACOSS)
 Australian Healthcare and Hospitals Association (AHHA)
 Australian Health Promotion Association (AHPA)
 Australian Institute of Health Innovation (AIHI)
 Australian Women's Health Network (AWHN)
 Australian Medical Students' Association (AMSA)
 Australian Nursing and Midwifery Federation (ANMF)
 Australian Psychological Society (APS)
 CRANApus
 Doctors Reform Society (DRS)
 Friends of CAHA (*FoCAHA*)

Healthy Futures
 Health Nature Sustainability Research Group (Deakin University)
 Health Issues Centre (HIC)
 Health Services Union (HSU)
 Koowerup Regional Health Service (KRHS)
 Pharmacists for the Environment (PEA)
 Public Health Association of Australia (PHAA)
 Psychology for a Safe Climate (PSC)
 Cohealth (formerly North Yarra Community Health)
 School of Public Health and Community Medicine, UNSW (SPHCM)
 Services for Australian Rural and Remote Allied Health (SARRAH)
 Victorian Allied Health Professionals Associations (VAHPA)
 Women's Health East (WHE)
 Women's Health in the North (WHIN)

The organisation *Friends of CAHA* is for individual members. Its members include senior academics and health professionals with considerable expertise in environmental health and climate and health issues.

STATEMENT OF PURPOSE

The Climate and Health Alliance's Statement of Purpose and Objectives are:

Aim

The Alliance's aim is the restoration of a healthy and ecologically sustainable natural environment for all species, including humans.

Purpose

The Alliance's purpose is to promote the protection of the natural environment to enhance sustainability and health and wellbeing for all species, including humans.

Objectives

In particular, the Alliance will:

- **Advocate** for effective public policy and community responses to promote a healthy ecology and society through the prevention of environmental degradation, including from climate change and from threats to air and water and soil, in order to protect and promote the health and wellbeing of the community and of biodiversity upon which humans depend;
- **Collaborate** with others to identify and remove structural barriers to the protection of a healthy environment, including effective responses to climate change and the preservation of biodiversity; and to support the development of environmentally responsible and sustainable practices in health care;
- **Engage and inform** health professionals, policy makers, and the community through the provision of information and education about the importance of environmental protection for health and wellbeing, including with regard to the risks from climate change and in relation to appropriate responses to protect and promote ecosystem and human health;
- **Share** information and resources about health and the natural environment and climate issues through a network of individuals and organisations;
- **Establish and maintain** a public fund to be called **Healthy Futures Fund** for the specific purpose of supporting the environmental objects/purposes of the Climate and Health Alliance.

CAMPAIGNS

OUR CLIMATE OUR HEALTH

One of CAHA's key initiatives for 2016/17 has been leading the successful broad health sector campaign for a National Strategy on Climate, Health and Well-being for Australia, known as the Our Climate Our Health campaign (see www.ourclimate-ourhealth.org.au)

The initial outreach and engagement phase (Phase 1) of the campaign was completed in 2016, and 2017 has been about delivering on Phase 2: Building Capacity and Advocating for Action. This phase was supported by grants from the Lord Mayor's Charitable Foundation, the Oak Foundation, and the Sunrise Project.

This involved the development and delivery of a Climate Health Champions education and capacity building initiative, the preparation of the Final Consultation Report, and the development and release of the Framework for the National Strategy on Climate, Health and Well-being for Australia. The development of the Framework was informed by a year-long national consultation to identify healthcare stakeholders' priorities and concerns regarding the health impacts of climate change.

Phase 3 (in 2018) will build on earlier efforts and continue the outreach and engagement with policymakers to support the adoption and implementation of the Framework, and supporting health professionals and health organisations to become leaders on climate change and health.

Health Leaders Roundtable

A Health Leaders Meeting with Parliamentarians and Roundtable in Canberra (October 2016) was an important input into the campaign, as an opportunity to meet with and share with politicians, the concerns of health care stakeholders regarding a national public policy response to the health impacts of climate change.

Around 40 CEOs, Presidents, and policy directors from Australia's leading community, health and medical groups met with Assistant Minister for Health Ken Wyatt, Shadow Minister for Health Catherine King and Greens Leader Dr Richard Di Natale at Parliament House (Session 1).

A subsequent Roundtable meeting in the afternoon (session 2) discussed the key elements for a national strategy on climate, health and well-being, with attendees committing to working together to develop a policy framework to be put forward to the federal government and parliamentarians in 2017, and to engage in advocacy (in consultation with health care stakeholders) for its further development and subsequent implementation.

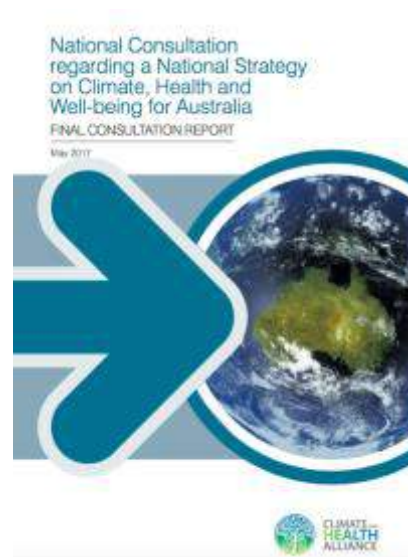
Then Assistant Minister for Health, Ken Wyatt attended, describing the meeting as a “historic meeting” and highlighting on social media the importance of “continuing the conversation about climate change in our nation.”



Final Consultation Report

The Final Consultation Report (May 2017) outlines findings from the national consultation process, which involved three main elements:

- Responses to a survey accompanying a Discussion Paper which proposed a National Strategy for Climate, Health and Well-being for Australia (released June 2016);
- An Online Discussion Forum held for nine days using the paxrepublic.com platform (August 2016);
- The Health Leaders Roundtable and Meeting with Parliamentarians in Canberra (October 2016).



Results from this process demonstrate the almost unanimous agreement among health professionals that there is urgent need for federal leadership and action. Health groups offered their commitment to supporting the government and political parties in making the strategy a reality.

Framework for the National Strategy

The [Framework for a National Strategy on Climate, Health and Well-being for Australia](#) was developed between March and May 2017, and released in June 2017 at a high profile event in Parliament House in Canberra. The Framework provides a roadmap to support the Commonwealth Government in taking a leadership role in protecting the health and well-being of Australian communities from climate change, and in fulfilling its international obligations under the Paris Agreement. It has been developed to support a coordinated approach to tackling the health impacts of climate change in Australia and to assist Australian policymakers and communities in taking advantage of the health opportunities available from strengthening climate resilience, reducing emissions and protecting our ecosystems.



It outlines policy directions that could be taken at the federal, state/territory and local level across seven areas of policy actions, with over 50 specific policy recommendations. It provides guidance to tackling issues within the health sector itself, including reducing the sector's environmental footprint and increasing climate resilience to avoid health service disruptions and/or failures.

The development of the [framework has involved collaboration between a large network of health experts, academics, policymakers and bureaucrats](#), including the Royal Australian College of General Practitioners, the Australasian College for Emergency Medicine, the Australian Healthcare and Hospitals Association, the Public Health Association Australia and the Climate and Health Alliance.

The Framework was launched with the support of a large coalition of leading health organisations, and is the first of its kind to be launched globally.



In a positive display of cross-parliamentary support, the launch of the Framework was co-hosted by Coalition Minister for Aged Care and Indigenous Health, Ken Wyatt, along with Shadow Minister for Health, Catherine King, and Greens leader and health spokesperson,

Senator Richard Di Natale, Australia's Chief Nursing and Midwifery Officer and the Deputy Chief Medical Officer also attended the launch and the associated roundtable discussion.



In a welcome announcement, the Australian Labor Party (Federal Opposition) have indicated that, in government, they would develop and implement a National Plan on Climate, Health and Well-being based on the Framework CAHA have developed. For more information, see: <https://youtu.be/NvyJ-lnyu9k>.

The campaign will continue to seek bipartisan support for a national climate-health strategy, as a vital step forward for Australia in addressing the challenges that climate change poses to the health and well-being of all Australians.

International recognition

Former US Vice President Al Gore acknowledged the Our Climate Our Health campaign in his keynote address to the 2017 Ecocity World Summit.



Education and Capacity Building Program – ‘Climate and Health Champions’

This project developed an education and capacity building program for ‘Climate and Health Champions’ - health professionals who are supported to use their professional and community networks to raise awareness about the risks to health and health services associated with climate change. This program aims build capacity within the health sector to respond to climate change, and build understanding about climate change as a health issue within the wider community.

The project developed and delivered two training programs – a one day training and a three-day residential workshop – with the support of a network of ‘critical friends’ in the climate movement with skills and expertise in training.

The one-day workshop was piloted with the support of New South Wales Nurses and Midwives Association and WWF in September 2016.

During 2017, 12 participants were trained at a one-day workshop in May, 25 participants from 15 organisations attended the three-day Climate-Health Champions training in June and 14 participants joined an Online Campaign Lab in September.

Supported by mentors, these climate and health champions are working within their own constituencies as well as with their parliamentary representatives to raise awareness of climate-health issues.



Attendees at the Climate-Health Champions Residential Workshop in May

Since the beginning of the project, 55 health professionals from across Australia have participated in structured training on climate health literacy, awareness raising and communication strategies, and advocacy skills. This cohort of Climate Health Champions has been extremely active at all levels of the community. They have presented at relevant conferences and conventions, published articles to newsletters of professional associations, advocated directly to key decision makers at the sector and government levels, and helped build the network of Climate Health Champions through direct recruitment in their sector.

The awareness raising efforts of this project, led by the Climate Health Champions and the Organising Team have grown the Climate Health Champions Network to over 350 health professionals who are working to increase understanding of and promote action on the impacts of climate change on health and well-being. This network is active in every state and territory, and across a wide range of health disciplines, including nursing, midwifery, general practice, psychology, dietetics, education, research, and medical students.

This program was developed and delivered with grant from the Lord Mayor's Charitable Foundation.

Online campaign – email your MP

The Campaign for a National Strategy on Climate, Health and Well-being for Australia also includes an online initiative, which enables people to send an email to their representatives in the federal parliament (both MPs and Senators) and ask them to commit to supporting the development of a national strategy on climate and health.

So far around 200 emails have been sent by campaign supporters to MPs and Senators in the federal parliament.

The email campaign is available at: www.climateandhealth.good.do

Campaign Supporting Organisations



PROJECTS

GLOBAL GREEN AND HEALTHY HOSPITALS

A key joint project between CAHA and Health Care Without Harm (HCWH) is the Global Green and Healthy Hospitals (GGHH) (Pacific Region). CAHA is the regional coordinator of the Pacific region of the GGHH network (including Australia and New Zealand) and works to promote the network, recruit hospitals and health services to the global network and support regional members in implementing their sustainable healthcare initiatives.



Health Care Without Harm provided a grant to CAHA in 2016 and 2017 to support its work in promoting the Global Green and Healthy Hospitals (GGHH) and advocacy for climate action.

Through this grant, Sustainable Healthcare Project Officer Carol Behne works two days a week to deliver outreach, engagement, education, and promotion of GGHH in Australia and New Zealand using a mix of events, webinars, publications, online and face to face engagement. In September 2017, Carol has reduced her hours to one/day week and the team has welcomed Grace Wong, who is working one/day week as CAHA Project Officer, Sustainable Healthcare.



There continues to be strong growth in the membership of the Pacific network (Australia and New Zealand) of the Global Green and Healthy Hospitals network in the last year. As of June 2017 there were over 30 GGHH members in the Pacific Region representing around 600 hospitals and health services.

New members in 2016/17 include:

- Princess Alexandra Hospital, Queensland
- Northeast Health Wangaratta, Victoria
- Institute of Healthcare Engineering, Australia (IHEA)
- Australian Medical Students' Association (AMSA)
- IPC Health
- South West Healthcare
- Dental Health Services Victoria
- Southern Cross Hospitals New Zealand

GGHH Pacific Region Members (as at October 2017)

Victoria

Austin Health
Australian Nursing & Midwifery Federation - Victorian Branch
Bairnsdale Regional Health Service
Hepburn Health Service
IPC Health
Kooweerup Regional Health Service
Melbourne Health
North Eastern Sustainability and Health Group
Northeast Health Wangaratta
Northern Health
South West Healthcare
Western Health
Dental Health Services Victoria

New South Wales

New South Wales Nurses and Midwives Association
Prince of Wales Private Hospital
Queanbeyan Hospital
South Western Sydney Local Health District
Sydney Surgical Centre
Western Sydney Local Health District

South Australia

Australian Nursing & Midwifery Federation - South Australian Branch
Women's and Children's Hospital

Queensland

Children's Health Queensland Hospital and Health Service
Mater Misericordiae Health Services Brisbane Limited
Princess Alexandra Hospital

Tasmania

UTAS Rural Clinical School

National

Australian Healthcare & Hospitals Association
Australian Medical Students' Association

Institute of Healthcare Engineering, Australia
Mercy Health
Southern Cross Care (NSW & ACT)
St Vincent's Health Australia

New Zealand

Auckland District Health Board
Capital and Coast District Health Board
Counties Manukau District Health Board
Northland District Health Board
Southern Cross Hospitals Limited
Waitemata District Health Board

GGHH Pacific Regional Network Achievements

2020 Healthcare Climate Challenge

The 2020 Challenge is an opportunity for members to demonstrate their commitment to climate change mitigation, adaptation and leadership.

We are pleased to count our GGHH-Pacific members among the 2016 2020 Challenge winners:

- **Kooweerup Regional Health Service**, Australia, who won Gold in Climate Leadership and Silver in Climate Resiliency
- **Mater Misericordiae Limited**, Australia, who won Gold in Climate Resiliency and Silver in Greenhouse Gas Reduction (Energy)
- **Counties Manukau District Health Board**, New Zealand, who won Silver in Greenhouse Gas Reduction (Non-energy)

Case Studies

The following case studies have been published in FY 2016 – 2017 as members share their successes with other GGHH members.

These include:

Western Health, Victoria: Reducing emissions from anaesthetic gases

The Anaesthetic Department produced cost savings of approximately USD \$22,500 per year and a reduction of 140 tonnes of CO₂e emissions each year, by voluntarily reducing their use of general anaesthetic gases desflurane and nitrous oxide.

Mater Private Hospital Springfield, Queensland, Australia: Waste Management Planning in a New Build

A collaborative approach was taken where advance planning included staff from top-level management, capital works, environmental sustainability, waste management, nursing, etc. and suppliers were involved in supporting the efforts. The benefits gained included reduced waste disposal costs, high recycling rates of 33%, and a boost to staff leadership and morale.

South Western Sydney Local Health District (SWSLHD): Staff Sustainability Survey

The survey provided an understanding and insights on staff awareness, attitude and actions with regard to sustainability at work, and also revealed an interest among those surveyed to increase sustainability strategies and practices.

UnitingCare Community and Blue Care, Queensland, Australia: Community Energy Efficiency Program

Initiatives included installing energy efficiency solutions in 27 sites spread across Queensland, and using multiple channels of communications to achieve awareness among staff at all levels and across sites. Financial savings achieved in 2015 were \$99,000AUD / \$73,000USD for UCC / BC, with a combined payback of 6.4 years and a Return on Investment for all initiatives of 16%.

Southern Cross Care NSW & ACT (SCC), Australia: SCC Marsfield Apartments' Energy Efficiency Works

The electricity saving measures and staff engagement actions implemented by SCC, a not-for-profit aged care service provider, saw them achieving financial savings of \$21,400 AUD per annum and GHG emissions reductions of approximately 150,000 kg of CO₂ per annum.

Western Health, Victoria, Australia: Recycling of Single Use Metal Instruments

Western Health are returning single-use metal instruments to the steel industry for remanufacture. This initiative reduces clinical waste disposal costs, and helps reduce energy use in steel production (as making steel from recycled instruments uses 75% less energy than from raw materials).

Kooweerup Regional Health Service (KRHS) produced two case studies to share how they achieved Gold and Silver awards in the 2020 Challenge:

- Taking a leadership role in climate action by promoting policies and educating staff and patients on climate change; and
- Integrating climate readiness across their strategies, systems, and processes.

Waitemata District Health Board, New Zealand: Growing People at Woodfood Gardens, Waitakere Hospital

The project provides people who have experienced mental ill health with work experience through growing and selling organic produce. Through this experience, participants are able to grow confidence in social skills and interactions, receive a rehabilitation allowance from the income earned by produce sale, and become empowered to take the next step in their lives.

Melbourne Health, Australia: Reducing Waste from Operating Theatres, Royal Melbourne Hospital

The staff-led initiative aimed to reduce the amount of recyclables ending up in clinical waste bins, which are more costly to dispose of. By introducing one type of recycling at a time and using staff sustainability champions, recycling has become second nature even during major trauma cases, leading to cost savings of at least \$230,000 and a reduction of 187 tonnes of clinical waste since baseline year.

Western Health, Australia: Comparing Reusable to Single use Anesthetic Equipment

A study by Western Health compared the environmental and financial costs of using reusable and single-use anesthetic equipment. It estimated that for an Australian hospital with six operating rooms, converting from single use to reusable equipment produces annual financial savings of approximately AUD\$32,000 (46% reduction), but increases CO2 emissions (by 9%) due to Australia's reliance on coal, and water use (by more than double) due to inefficient water use by washers and sterilisers. In contrast, this conversion when done in UK and USA would result in a decrease in CO2 emissions (84% and 48% respectively) due to these countries' power mix.

Events

Presentations and talks regarding GGHH have been given by CAHA at the following events:

- Institute of Hospitals Engineers Australia, Adelaide (Carol Behne, October 2016)
- Lifestyle Medicine Australasia Conference (Kim Daire, November 2016)
- World Congress on Public Health (Carol Behne, April 2017)
- CleanMed USA (Carol Behne, May 2017)
- Asia Pacific Health Congress (GGHH Global Policy Director, Scott Slotterback, September 2017)

Healthcare Sustainability Forum – June 2017

For the first time, CAHA partnered with GGHH Member, Western Health and the Institute for Hospitals Engineers Australia, with support from the Australian Healthcare and Hospitals Association, to hold a two-day Healthcare Sustainability Forum at Western Hospitals at Sunshine. This two-day forum, held on 1 and 2 June 2017, brought together people from diverse health backgrounds to learn, network and collaborate, and ultimately to further our environmental sustainability in healthcare work.

The two days provided a mix of presentations, research, innovation and case studies, culminating in a panel discussion focused on pertinent topic issues. Day one addressed the rising cost of energy, offering alternative energy technologies, energy efficiency, and innovative solutions for healthcare. Day two focused on local action and environmental change in the healthcare environment, waste minimisation and behaviour change.

A Summary Report is available at: http://www.caha.org.au/globalgreen_healthyhospitals

Public Health World Congress Field Trip

Together with GGHH member Western Health (WH), CAHA organised and spoke at a field trip to Western Hospital in Sunshine to hear about and see first-hand some of the leading sustainability initiatives underway at WH.

Pacific Region Webinar

CAHA hosted a Webinar for GGHH Pacific regional members in October 2017 via WebEx teleconferencing. These meetings offer members a chance to connect with one another across Australia and New Zealand. Participants share what they are working on, upcoming plans, successes and challenges, providing a chance to connect, meet, learn from each other and identify opportunities for collaboration.

GGHH Members meeting in Sydney

Prince of Wales Private Hospital Randwick hosted a meeting for GGHH members in Sydney on 29th September, wrapping up their Green September celebrations. The meeting provided an opportunity for members to meet and learn from each other, as well as hearing from Scott Slotterback, GGHH's Policy Director, while he was in town for the ACHSM/ACHS Congress.



Left to right: Les, Janet Roden, Mitchell Clancy, Scott Slotterback, Carol Behne, Wendy Hird, Megan Shaw, Fiona Armstrong, Elizabeth Millen, Ian Smith, Nerida Russell Green, Mahmoud Chatila, Matt Power

Publications

CAHA promotes the issue of sustainability in healthcare and the tools and resources available to GGHH members through regular newsletters. The newsletters provide a vehicle to showcase latest best practice through case studies from GGHH members as well as other institutions with exemplary practices, as well as the chance to highlight educational resources, latest research, and upcoming events.

CAHA Sustainable Healthcare Volunteer Sue Huang has led development and distribution of the newsletter throughout the last year.

Healthy Energy Initiative

CAHA is part of a collaborative global project, the [Healthy Energy Initiative](#), led by our international partner Health Care Without Harm. Through this initiative, partner organisations work together to share information, resources, and strategies to mobilise health professionals to advocate for healthy energy policies, and to advocate for policy using the scientific regarding the adverse health impacts of fossil fuels.



Other members of the Healthy Energy Initiative include:

[China: Rock Environment & Energy Institute](#)
[Europe: Health and Environment Alliance](#)
[India: Community Environmental Monitoring](#)
[Philippines: Health Care Without Harm – Asia](#)
[South Africa: groundWork](#)
[Global Climate and Health Alliance](#)

POLICY AND ADVOCACY

Submissions

Advocacy for policy during 2016/17 has focused on the National Strategy on Climate, Health and Well-being, on national and international climate-health policy, as well as the health aspects of climate impacts on infrastructure and national security.

A list of the CAHA submissions made in 2016/17 appears below (and on the website at <http://www.caha.org.au/submissions>):

- Presentations to Joint Standing Committee on Treaties Inquiry into the Paris Agreement (Hansard) – September 2016
- Submission to Joint Standing Committee on Treaties into the Paris Agreement – September 2016
- Submission to the Review of Australia's Climate Change Policies - May 2017
- Inquiry into current and future impacts of climate change on housing, buildings and infrastructure (July 2017)
- Implications of Climate Change for Australia's National Security – August 2017

COMMUNICATIONS AND OUTREACH

Media

Health Leaders Roundtable

A sample of articles which appeared in the media about CAHA's work appear below:

'Historic meeting pushed for national action on climate change', *Croakey*, 9/10/16

<https://croakey.org/historic-meeting-pushes-for-national-action-on-health-and-climate-change/>

'The Health Impacts Of Climate Change Are Huge And Very Real', *Huffington Post*, 11/10/16, <http://www.huffingtonpost.com.au/2016/10/10/the-health-impacts-of-climate-change-are-huge-and-very-real/?ncid=fbklnkauhpmg00000001>

'Australia's Health 2016 – what's missing?', *Croakey*, 11/10/16

<https://croakey.org/australias-health-2016-whats-missing-hint-its-a-pretty-big-omission/>

'Wrapping up an historic meeting on climate change and health: "The time will come..."', *Croakey*, 13/10/16

The Health Leaders Roundtable meeting generated a lively conversation on Twitter with around 500 tweets about the meeting - a sample of which are captured in this Storify

account: <https://storify.com/CAHAAustralia/health-leaders-roundtable-on-climate-october-2016>

Presentations

CAHA representatives were invited to present at the following events/conferences in the year 2016-17:

- [Geography Teachers' Association Conference](#) - 22 August 2016 (Fiona Armstrong)
- World Congress on Public Health – April 2017 (Fiona Armstrong and Carol Behne)
- Victorian Greenhouse Alliances Conference 2017 – May 2017 (Fiona Armstrong)
- Obesity Policy Coalition Conference – October 2017 (Fiona Armstrong)

Social media

CAHA's social media presence continues to grow with almost 3,000 followers on Twitter, with social media analytics suggesting @healthy_climate occupies an “influential” status.

Some of CAHA's posts on Twitter are estimated to reach a potential audience of 30,000.

CAHA's Facebook followers have grown to 1,780 and CAHA's Facebook posts reach around 200-400 people with each post.

VOLUNTEERS AND INTERNS

CAHA is very fortunate to have the support of some generous volunteers and has had the opportunity of hosting some outstanding interns. Committed volunteers in 2016-17 include Sue Huang who supports the GGHH program, and produces the Sustainable Healthcare News; Sasha King who helped organise events, meetings, and provided support for the national climate-health strategy campaign; Gail Conlon who led the development of the communications strategy for the Our Health Our Health campaign; and Maria McConkey, who managed the development of the new CAHA website and the Our Climate Our Health website.

Special mention should go to intern Nick Horsburgh, who was the lead author of the Framework a National Strategy on Climate, Health and Well-being for Australia, and Vanora Mulvenna who provided invaluable assistance with this project; Danielle Schutte, who has produced several videos featuring health professionals calling for climate action; Hilary Murchison who provided invaluable support to the Our Climate Our Health campaign; Grace Fitzgerald who helps with social media as well as drafting excellent policy submissions; and Ann Borda, Rebecca Patrick and Liz Hanna who assisted with preparation of the Final Consultation Report (regarding the Framework for the National Strategy on Climate, Health and Well-being for Australia).

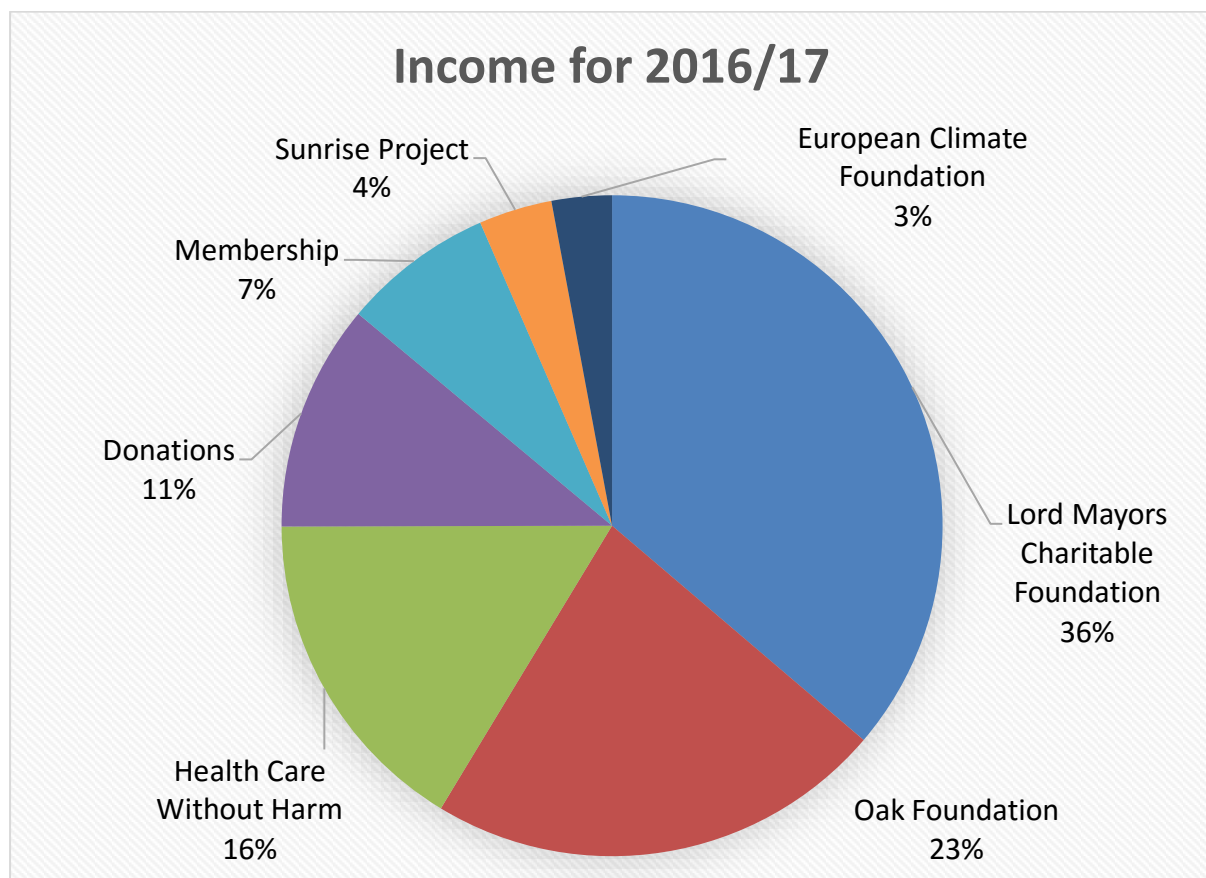
FINANCIAL REPORT

Report from the CAHA Treasurer

On 30 June 2017 CAHA had a total of \$160,151.10 in its bank account. Total liabilities as at 30 June were recorded as \$84,208.50. Of this \$82,375 (\$82,500 minus a small transaction fee from CAHA's auspicing partner, Climate Action Network Australia) has been committed to funding a core operational role (eg Executive Director) and has been accrued to the 2017/18 financial year. This leaves a total equity of \$75,942.40 at 30 June 2017.

In 2016/17 the Climate and Health Alliance received a net income of \$139,487. This is a 27% increase on the previous financial year. In addition to this, donations of \$82,500, with a further commitment of \$10,000 have been raised and accrued to the 2017/18 financial year. These funds will enable CAHA to fund the core operational position for the first time. CAHA would like to extend a huge thank you to all of those who contributed to this fund.

Graph 1, below, shows the distribution of income streams for CAHA in 2016/17. The majority of CAHA's income has been provided through philanthropic organisations. This is consistent with previous years and is projected to remain the primary source of income for CAHA into the foreseeable future.



Graph 1 Income distribution 2016/17

CAHA's membership fees remained low in 2016/17 and brought in a total income of \$10,310. This is about half of the base operational expenses needed for rent and insurances etc. and does not include any funding for staff.

During 2017, CAHA members were canvassed regarding their ability to offer a one-off donation to support core operational position.

Many members indicated they would prefer to pay an increased membership fee rather than pay a membership fee and make an additional donation to CAHA to fund the ongoing operation of the organisation.

In response, CAHA undertook a membership fee survey and updated the 2017/18 membership fee structure in accordance with the survey findings.

As a result, it is projected that there will be an increase in income from membership in future years. The CAHA board would like to thank its members and friends for their ongoing support, without which CAHA would not be able to operate.

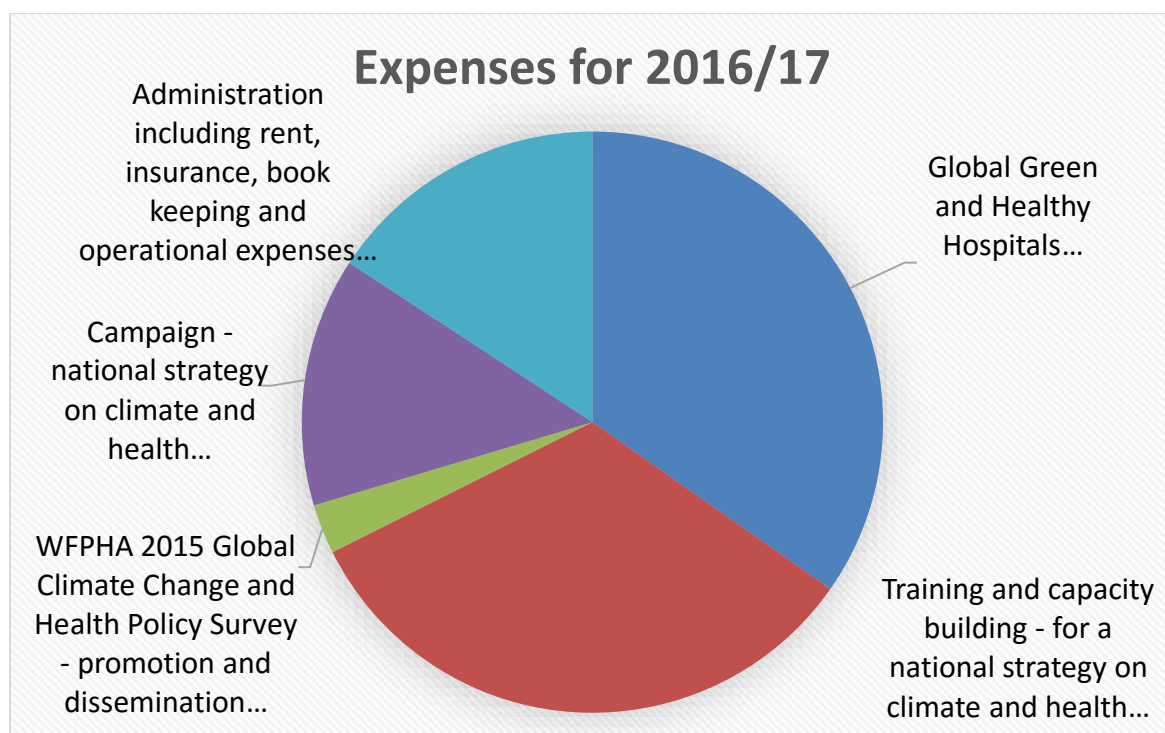
CAHA's expenses for 2016/17 totalled \$121,579. This is 87% of the expenses incurred in the previous year. It is also slightly under CAHA's total income for 2016/17. The small disparity between income and expensed is due to many projects such as the Global Green and Healthy Hospitals program and the Training and Capacity Building program being funded by the calendar year while annual reporting is undertaken by the financial year.

As a result, some funds received in 2016/17 will not be completely spent until 2017/18.

CAHA's major projects for 2016/17 has been the campaign for a National Strategy on Climate, Health and Well-being for Australia and sustainable healthcare program ie coordinating the Global Green and Healthy Hospitals network.

While the training and capacity building portion of the National Strategy campaign has received funding (and CAHA would like to extend its thanks to our program sponsors), the campaign itself has been run on a shoe string budget, spending just \$6,000 in the 2016/17 FY.

The CAHA board would like to extend their personal thanks to the many dedicated volunteers, member organisations and program partners who contributed their time and energy to make this project possible on such a small budget.



Graph 2 Expenditure distribution 2016/17

Finally, on behalf of CAHA and the board I would like to extend my personal thanks to those individuals and organisations who provided CAHA with grants, sponsorship and made donations to CAHA in 2016/17.

Donations and grants over \$1,000: Thank you to the following people and organisations

Lord Mayors Charitable Foundation	\$50,500
Oak Foundation	\$31,273
Health Care Without Harm	\$22,714
The Sunrise Foundation	\$5,000
World Federation for Public Health Association	\$4,102
Daniels Health	\$2,500
Greenland Systems	\$2,500
Queensland Nurses Union	\$2,000

Donations for core operational roles

New South Wales Nursing and Midwife's Association	\$50,000
Australian Nursing and Midwifery Federation (Federal branch)	\$10,000
CoHealth	\$10,000
The Diversicon Environmental Foundation	\$12,500

Public Health Association of Australia

committed to donating \$10,000 in 2017/18

FINANCIAL REPORT

CLIMATE AND HEALTH ALLIANCE INCORPORATED
ABN: 75 260 386 455

Climate and Health Alliance		
Balance Sheet		
1st July 2016 to 30th June 2017		
Asset		
Current Assets		
1-1005	Westpac - General Acc 187596	139,632.62
1-1007	Westpac - Donations 187609	10,358.48
1-1800	Accounts receivable	10,160.00
Total Current Assets		160,151.10
Total Assets		160,151.10
Liability		
Current Liabilities		
2-1800	Accounts payable	1,833.50
2-5000	CAHA General Committed Funds	82,375.00
Total Current Liabilities		84,208.50
Total Liabilities		84,208.50
Net Assets		75,942.60
Equity		
3-1600	Retained earnings	-9,601.58
3-1800	Current year earnings	17,907.15
3-9999	Historical balancing	67,637.03
Total Equity		75,942.60

Profit and Loss
1st July 2016 – 30th June 2017

		Total \$
Income		
4-1000	Membership Income	10,310.00
4-1005	Donations - GiveNow	3,034.63
4-1007	Donations - Stripe	1,260.57
4-1010	Donations - Other	6,195.86
4-1020	Interest Received	92.15
4-1025	Interest - Donations Account	4.66
4-2010	Sunrise Project	5,000.00
4-2020	LMCF Grant	50,500.00
4-2100	GGHH Funding	27,713.90
4-2450	National Strategy Campaign Grant	31,273.46
4-2900	European Climate Foundation	4,101.66
	Total Income	139,486.89
Less Expenses		
6-1000	Accounting/Audit fees/bookkeeping	4,785.75
6-1005	Bank charges	32.00
6-1007	Donation fees	35.08
6-1010	Conferences and Workshops	4,881.76
6-1040	Consultancy - GGHH - F. Armstrong	2,000.00
6-1045	Consultancy - GGHH - Carol Nouwens	32,670.00
6-1070	Consultancy - National Strategy Campaign	4,950.58
6-1080	Consultancy - Training & Capacity - Gabriel Dain	14,580.00
6-1090	Consultancy - WFPHA - INTL World Federation	2,460.00
6-1091	Consultancy-Our Climate Our Health P Rountree	1,942.50
6-1110	Filing and lodgement fees	55.80
6-1120	Fundraising Expenses	286.00
6-1150	Insurance	2,878.25
6-1155	Legal Expenses	880.00
6-1165	Materials - Projects	210.00
6-1175	Media/Communications - Projects	4,009.14
6-1185	Media/Communications - General	41.25
6-1192	Meeting Costs - Projects	2,636.97
6-2000	Miscellaneous - General	1,031.50
6-2040	Miscellaneous - Projects	12,242.63
6-2050	Office Expenses	511.88
6-3050	Postage - Projects	101.45
6-4030	Printing & Stationery - Projects	8,393.76
6-4070	Rent - Office	4,033.31
6-4300	Subscriptions	574.00
6-5000	Travel & Accommodation- General	858.98
6-5030	Travel & Accommodation - Projects	12,031.26
6-5500	Website Maintenance	1,408.39

6-6000	Wages - GGHH	1,057.50
	Total Expenses	121,579.74
	surplus/(deficit)	17,907.15