

Product/Service	Description	Available From
<p>The CRAG local retro-fitting guide is an extensive but not exhaustive list of local products, services, links and people who can help inform and advise our community of ways to reduce our household carbon emissions in the fight against climate change. The information is not endorsed by MASG, but is a collection of contributions by Masg members and Crag participants. Please contact us to make any future additions or changes.</p> <p style="text-align: center;">T: 5470 6978 E: <a href="mailto:info@masg.org.au">info@masg.org.au</a></p>		
Double glazing plastic	ClearComfort insulation is a tough, transparent membrane that attaches to your window frame to enclose an insulating layer of air. Keeps warmth inside your house in winter, and outside your house in summer.	The Down To Earth Store For you, your home & our planet... T: 5472 5032 M: 0413 259 507 E: <a href="mailto:info@thedowntoearthstore.com.au">info@thedowntoearthstore.com.au</a> Shop online at: <a href="http://www.thedowntoearthstore.com.au">www.thedowntoearthstore.com.au</a>
Double Glazing	Double glazing panels made to order, any size (gas filled)	Peter Gow Castlemaine M: 0407 532 678
Energy rated windows & doors, double & triple glazing windows, skylights	Latest energy savings technologies that achieve energy savings of up to 65% and 80-90% noise reduction.	Paahammer Pty Ltd 11 Smallmans Rd, PO Box 26, Ballan T: 5368 1999 E: <a href="mailto:mail@paahammer.com.au">mail@paahammer.com.au</a> W: <a href="http://www.paahammer.com.au">www.paahammer.com.au</a>
Draft stoppers & excluders	Range of self-adhesive strip seals & door extensions to stop draughts in windows and doors	Tonks Bros Pty Ltd 224 Barker St, Castlemaine T: 5470 5100 Maldon Timber & Hardware 26 High Street, Maldon T: 5475 2465
Duette window shades	Energy efficient window shades for hot & cold weather. Also external sunscreens, canvas awnings, shutters, heating, etc	Robinsons 26 Hargraves St, Castlemaine T: 5472 4748 E: <a href="mailto:ashley@terryrobinson.com.au">ashley@terryrobinson.com.au</a>
Quilt blinds	Locally made blinds and other home furnishings from natural materials	Louise Moysey & Daughters, Castlemaine T: 5472 1212

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Renshade	Double-sided aluminum foil laminate on kraft paper – perforated to let light in, but not radiant heat. Reduces up to 85% summer heat.	Maldon Timber & Hardware High Street, Maldon T: 5475 2465 Tonks Bros Timber & Hardware (See above)
Insulation & rebates	Information & installation, plus info on available State & Federal Government rebates	Peter Gow M: 0407 532 678 Felix Baker M: 0432 618 496 Maldon Timber & Hardware (See above) Tonks Bros (See Above) Printz Plumbing 12 Johnstone St, Castlemaine T: 5472 2533 E: <a href="mailto:printzplumbing@castlemaine.net">printzplumbing@castlemaine.net</a>
Foam insulation	Icyrene – soft foam insulation and air barrier system. Pour fill or spray formulation that minimizes air leakage for increased energy efficiency in walls, floors and ceilings.	Save Energy Group Pty Ltd 23 Camp Street Trentham, Vic 3458 mob: 0411 407 526 E: <a href="mailto:mail@saveenergygroup.com.au">mail@saveenergygroup.com.au</a> W: <a href="http://www.saveenergygroup.com.au">www.saveenergygroup.com.au</a>
Insulated paint/coating	INSULTEC is a solar heat re-radiating coating which by its application to the exterior surface of a building will re-radiate 95% of solar infra-red rays, and 85% ultra violet rays back into the atmosphere. Thus keeping inside cooler by 6-10 degC. As a result it either eliminates the need for air conditioning altogether or greatly reduces its running costs.	Google for further information and retail outlets.
Solar Efect exterior paint	Resists colour fading from UV light and the build up of dirt, mould and algae, reduces surface temperatures by 5-15°C. Available in Low Sheen and Gloss for use on dressed and rough sawn timber, bricks, concrete, fibre cement board, masonry, Zincalume and galvanised iron.	Available only from Bunnings Stores 263-265 High St Kangaroo Flat T: 5444 8555 Other reflector paint advice: Tonks Bros (see above)
Energy efficient products	Compact lightbulbs including halogen, draft stoppers, insulation, etc	Castlemaine Home Timber& Hardware 185 Barker St, Castlemaine T: 5472 1922

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Energy efficient products	Local hardware outlet.	Beards Hardware 125 Main Road, Campbells Creek T: 5472 1270
Home energy audits	Increase home comfort, save on energy bills, reduce greenhouse gases, renewable energy options, government rebate advice	Goldfields Home Energy Assessment Service M: 0439 500 050 E: <a href="mailto:mjreeves@gcom.net.au">mjreeves@gcom.net.au</a>
Home Sustainability Assessment	Have a free home assessment as part of the Federal Government's Home Sustainability Assessment scheme and become eligible for a \$10,000 interest free loan.	BazEco Barry Murfett T: 5475 1067 (Maldon) (AH) M: 0400 326 985 Mount Alexander Sustainability Group (MASG) Jayson Burhop T: 5470 682 M: 0439 539 523 John Davey M: 0404 686 797 Nigel Whales M: 0427 594 356 Mez Woodward M: 0418 390 943 Mick Lewin M: 0414 988 596 More Info: <a href="http://www.environment.gov.au/greenloans/">http://www.environment.gov.au/greenloans/</a>
The Solar Bloke	Solar energy equipment, remote area power systems.	Stuart Jamieson Rear 27 Lyttleton St, Castlemaine, VIC 3450 T: 5470 5890
Solar PV	Grid connect solar design & installation. Information on Government rebates. Split system air conditioning.	Stephen Breheny Electrical Contractor 105-107 Duke St, Castlemaine M: 0415 507 777 E: <a href="mailto:stephen.breheny@bigpond.com">stephen.breheny@bigpond.com</a>
Solar hot water	Systems and info on available government rebates	Robinsons (See above) Printz Plumbing (See above)
Solar hot water	Agents for AAE Solar Hot Water Services. Advice on government rebates.	Maine Design & Construction Pty Ltd 18 Elizabeth Street, Castlemaine Phone: 5472 4144
Saltwater Solar	Solar electricity & hot water, renewable energy design & installation, your own little power stations.	Oliver Growder Newstead

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Solar display home	Featured as an open demonstration home by MASG, built utilizing wide usage of sustainable products and design. Living lightly in your family home. 19 Midland Highway, Campbells Creek.	Maine Design & Construction Pty Ltd (See above)
Tours of "Melliodora", Hepburn 1st Sunday of the month from September to May	The passive solar house, mixed food gardens, orchards, dams and livestock, and creek revegetation show how permaculture design can help to restore and improve land, provide for residents' needs and enjoyment in a cool inland climate. Bookings essential	David Holmgren & Su Dennett Holmgren Design Services T: 53483636 E: <a href="mailto:info@holmgren.com.au">info@holmgren.com.au</a> W: <a href="http://www.holmgren.com.au">www.holmgren.com.au</a> Melliodora (Hepburn Permaculture Gardens) 16 Fourteenth St, Hepburn, 3461
Ecoliving Centre	Sustainable House Tours, green directory	PepperGreen Farm 40-44 Thunder Street, Bendigo AllansWalk, Bendigo T: 5441 6585 E: <a href="mailto:info@bendigoecoliving.com.au">info@bendigoecoliving.com.au</a> W: <a href="http://www.bendigoecoliving.com.au">www.bendigoecoliving.com.au</a>
Sustainable Living Foundation	Online consumer guide, greenpages business directory, shopping with a conscience, buying guides, event planning, festivals & sustainability (how do you do it?) Produced in partnership with the Ethical Consumer Group	W: <a href="http://www.slf.rog.au">www.slf.rog.au</a> W: <a href="http://www.ethical.org.au">www.ethical.org.au</a>
Architects	Lifehouse Design seeks to promote the environmental, social and cost benefits of energy-efficient passive-solar design, ensuring the appropriateness of each design to its natural, social and built environments.	Lifehouse Design PO Box 965, Castlemaine T: 5470 5584 E: <a href="mailto:info@lifehousedesign.com.au">info@lifehousedesign.com.au</a>
Design & building works	Specialists in sustainable construction using reclaimed materials and earth building techniques	Pumphouse Design Matthew Boyle & Anna Winneke T: 5473 4328 M: 0418 311 375 W: <a href="http://www.pumphousedesign.com.au">www.pumphousedesign.com.au</a>
Sustainable Building Design	Focuses on ecologically sustainable design utilizing passive solar principles. Aims to participate in humanity's reconnection with the earth with buildings that strive to be ecologically sustainable in their water, energy and material use.	Sol Architecture Andrew McLeod T: 5470 5203 M: 0400 059 189

Product/Service	Description	Available From
Environmentally friendly bricks	50-90% less greenhouse gas levels than traditional kiln fired bricks, saves 4-6 tonnes of CO2 emissions per average house lot, stabilised, not kilned, use no oxides for artificial colour.	Geo Brick Pty. Ltd. Puzzle Flat Reef, Bealiba, Central Victoria E: <a href="mailto:info@geobrick.com.au">info@geobrick.com.au</a> M: 1300 855 098 F: (03) 5469 1349
Building work	Local building and carpentry jobs, info on recycled & local materials	Ian Flavell M: 0407 806 835
Radial Timber	Radial sawing maximises the recovery of sawn timber from smaller logs. It has a range of both environmental and technical benefits from helping to make indigenous hardwood plantations more viable to maximising the yield of high value timber products from a log.	Radialcorporation Traralgon CEO: Andrew Knorr T: 5174 2538 E: <a href="mailto:technology@radialtimber.com">technology@radialtimber.com</a> Radial Timber Sales Pty Ltd 12 Park Drive Dandenong South T: 9768 2100 E: <a href="mailto:sales@radialtimber.com">sales@radialtimber.com</a>
Budget home relocating	Experience in the relocation and retro-fitting of a house and a school classroom on a very tight budget.	Abbie Heathcote T: 5470 6595 M: <a href="mailto:abbieheathcote@gmail.com">abbieheathcote@gmail.com</a>
RAL Homes	Australian made, 5 Star Energy Rating - Building Thermal Assessment can apply to all RAL HOMES. Additional RAL Modules can be added at any time to create a larger Family Home.	Ararat, Victoria T: 5352 2352 E: <a href="mailto:info@ralhomes.com.au">info@ralhomes.com.au</a> W: <a href="http://www.ralhomes.com.au">www.ralhomes.com.au</a>
Sustainable Design Services	House, garden and lifestyle sustainability	Ian Lillington, Castlemaine M: 0488 724 176
Business retrofitting	Installation of 2kw solar PV system, double glazing, roof insulation, water tanks, window shade screening & planting, split air conditioning, promotion of GreenPower products.	Newstead Rural Transaction Centre (RTC) 45 Lyons St, Newstead T: 5476 2360 E: <a href="mailto:newsteadrtc@bigpond.com">newsteadrtc@bigpond.com</a>
Weatherizing homes	Volunteer group that do a retro-fitting blitz on your home in exchange for your assistance for at least 1 blitz. Currently a good idea waiting to happen.	Women's Woodwork Group Castlemaine Community House T: 5472 4842 E: <a href="mailto:infor@cch.org.au">infor@cch.org.au</a>
Powermate	Device to measure the energy emissions of your electrical appliances. Available for loan from Castlemaine Library.	Castlemaine Library Mechanics Lane, Castlemaine T: 5472 1458 E: <a href="mailto:castlemaine@ncqrl.vic.gov.au">castlemaine@ncqrl.vic.gov.au</a>

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Sewn draught stoppers & hot water bottle covers	Recycled fabric turned into many things such as door snakes and other Nanna-technologies	Castlemaine CWA First & Last Saturday each month 1.30-4.30pm, Ray Bradfield Room Castlemaine
Locally made arts & crafts	Local designers, pillows, footstools, unique recycled-clothing re-makes, hand-made knits, jewelry and more	Castlemaine Artists' Market Theatre Royal, 1 <sup>st</sup> Sunday of month Sep-Jun Ann Baxter E: <a href="mailto:market@theatreroyal.info">market@theatreroyal.info</a>
Hanging clothes dryer	Locally-made suspended pulley system for drying clothes and bedding.	The Down To Earth Store (See above)
Energy audits for Council HACC services	Trained Home & Community Care workers providing home audits for registered home service recipients	Jo Middleton/Marg Ridgeway Mount Alexander Shire Council T: 5471 1700
Castlemaine Artists' Market	Monthly, 10-4 (closed July to August), locally hand-made clothes, art & craft from recycled or reclaimed materials	Theatre Royal Hargraves St, Castlemaine T: 5472 1196
Green Plumbers	For a list of locally registered plumbers. GreenPlumbers is an innovative initiative developed by the Master Plumbers and mechanical Services Association of Australia (MPMSAA)	<a href="http://www.greenplumbers.com.au">www.greenplumbers.com.au</a>
Electricians	For a list of locally trained electricians. The National Electrical and Communications Association (NECA), the peak body for Electrical Contractors across Australia has developed a program to train licensed electricians nationally in energy efficient and environmentally friendly products, technology and installations.	<a href="http://www.ecosmartelectricians.com.au">www.ecosmartelectricians.com.au</a>
Builders	For a list of locally registered builders. Greensmart program. Greensmart is a registered brand of the Housing Industry Association (HIA).	<a href="http://www.greensmart.com.au">www.greensmart.com.au</a>
Painters	For a list of locally registered builders. GreenPainters Ltd is Australia's non-for-profit organisation education program and network providing training, advice, and skills to promote the latest sustainable coatings technology. It represents painters and manufacturers who are leaders in the Green Building Industry.	<a href="http://www.greenpainters.com.au">www.greenpainters.com.au</a>

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Directories for sustainable services & products	<a href="http://www.ecospecifier.org">www.ecospecifier.org</a> <a href="http://www.makeyourhomegreen.vic.gov.au">www.makeyourhomegreen.vic.gov.au</a> <a href="http://www.thegreendirectory.com.au">www.thegreendirectory.com.au</a> <a href="http://www.ecodirectory.com.au">www.ecodirectory.com.au</a> <a href="http://www.thegreenpages.com.au">www.thegreenpages.com.au</a> <a href="http://www.begreen.com.au">www.begreen.com.au</a>	
Other useful websites	For information on the New Energy Efficient Homes Package, rebates for solar hot water & insulation	<a href="http://www.environment.gov.au/energyefficiency-">www.environment.gov.au/energyefficiency-</a>
	Accredited GreenPower for your home and work, including green gas options.	<a href="http://www.greenpower.gov.au">www.greenpower.gov.au</a>
	Department of Sustainability and Environment	<a href="http://www.dse.vic.gov.au">www.dse.vic.gov.au</a>
	Energy efficient home electronics	<a href="http://www.energystar.gov.au">www.energystar.gov.au</a>
	Energy ratings of appliances	<a href="http://www.energyrating.gov.au">www.energyrating.gov.au</a>
	Water ratings of appliances/Water Efficiency Labeling and Standards (WELS scheme)	<a href="http://www.waterrating.gov.au">www.waterrating.gov.au</a>
	Planet Ark and Sensis 'Recycling Near You' website. You can search for local recycling information either by Council area or product	<a href="http://www.recyclingnearyou.com.au">www.recyclingnearyou.com.au</a>