

**MINUTES OF TOWN OF GAWLER
CLIMATE EMERGENCY ACTION PLAN WORKING GROUP MEETING
HELD AT THE COUNCIL CHAMBERS, GAWLER CIVIC CENTRE, INSTITUTE BUILDING 89-91
MURRAY ST, GAWLER SA 5118
ON WEDNESDAY, 16 SEPTEMBER 2020 AT 6.:30PM**

PRESENT: Cr Paul Koch, Cr Cody Davies, Ms Kathryn Warhurst, Mr Jack Gill, Mr Tom Brdanovic

STAFF IN ATTENDANCE: Mr Timothy Kelly, Mr Jack Darzanos, Meagan Jarmyn

1 STATEMENT OF ACKNOWLEDGEMENT

We would like to acknowledge this land that we meet on today is the traditional lands for the Kurna people and that we respect their spiritual relationship with their country. We also acknowledge the Kurna people as the custodians of the greater Adelaide region and that their cultural and heritage beliefs are still as important to the living Kurna people today.

2 ATTENDANCE RECORD

- 2.1 Roll Call
- 2.2 Apologies
- 2.3 Motions to Grant Leave of Absence
- 2.4 Leave of Absence
 - Mr Darren Cox
 - Cr Nathan Shanks - 01 September 2020 to 30 September 2020.
- 2.5 Non-attendance

3 CONFIRMATION OF MINUTES

COMMITTEE RESOLUTION 2020:09:CEAP010

Moved: Cr C Davies
Seconded: Mr Dazanos

That the minutes of the Climate Emergency Action Plan Working Group Meeting held on 19 August 2020 be confirmed as a true and correct record.

CARRIED UNANIMOUSLY

4 BUSINESS ARISING FROM MINUTES

Continuing Actions	Who	By When	Status
1. Staff to incorporate the Resources and Greenhouse Gas Summary for 2019 - 20 into the next progress report to Council	Cr P Koch Cr N Shanks	14-07-2020	Complete. Added to the CEAP checklist. Removed from WG actions
New Actions			
2. Using these minutes as a check list, the outcomes of this workshop are to be incorporated into the draft CEAP, noting that there may be further investigation and practical constraints.	T Kelly	November 2020	In progress. Community placed before council. Positive Future Scenario being added 4 Page Short version to be drafted.

5 ITEMS LISTED FOR DISCUSSION

5.1 COUNCIL REPORTS

5.1.1 RESOURCES USE AND CHG EMISSIONS 2019-20

Staff presented the 2019 Summary of Gawler Council Greenhouse Gas (GHG) emissions. this included water and resource use costs, Council GHG emissions and an updated snapshot of Community Emissions

The Working Group noted the following observations:

- Compiling all resource and energy use provides a useful overview of where money is being spent.
- Water, electricity and transport costs are significant whilst expenditure on GreenPower is relatively low.
- Green house gas emissions, appear quite different to resource consumption due to varying greenhouse gas intensities of production (water doesn't show as a large amount).
- Electricity emissions and street lighting emissions are high, natural gas is 12% which is quite high – comparison to previous years shows emissions have dropped – wind and solar.
- Council is currently purchasing around 12% Greenpower and an additional 10% of its energy needs are estimated from the Solar PV Systems on the Sports and Community Centre and Aquatic Centre. The two larger systems are now actively monitored with the third to be added to monitoring systems later this year.
- Where omissions from the data captured and GHG emissions assessment are identified, steps are being taken to capture all the data. Recent examples include bottled gas use, water meters and some electricity billing.
- Community emissions - a new Snapshot Profile Assessment has been released covering year 2018. This data shows some significant changes in results which cannot be fully explained.

Transport emissions for Gawler have increased, but the data does not show public transport emissions. The Community Snapshot serves as a point of reference that is useful for developing community actions in the CEAP.

- Cr Koch suggested a need for a behavioural shift in how we view open space – this will reduce water costs
- Tim Kelly drew attention to the state electricity emissions factor which continues to reduce as more renewables come online. This means that despite Gawler consuming more electricity, emissions were lower. However, there is continued uncertainty regarding how mandatory and voluntary renewable electricity is claimed due to an absence of legislation.

All members of the working group supported this information to be included in the next progress report to Council.

RECOMMENDATION

Staff to incorporate the Resources and Greenhouse Gas Summary for 2019-20 into the next progress report to Council

5.1.2 RENEWABLE ENERGY FEASIBILITY PROJECT UPDATE

Staff advised the Working Group that the Acquisition Plan for the Stage 1 Scoping Study has been signed and a request for quote will be sought from the market shortly.

1. Kathryn and Tim met with the Team Leader, Recreation & Community Strategy regarding the Essex Park and Showgrounds Master Plan which also provides energy opportunities that can be considered in the feasibility study.
 2. The working Group noted that comments are sought out of session on the Master Plan from a Climate Change Perspective.
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RECOMMENDATION

1. The Working Group to provide comments and feedback by 25 September (via Tim Kelly) on the Climate Emergency Response ideas to integrate into the Essex Master Plan. Notes will be shared out of session, as needed to get feedback back to Bryce in the next couple of days
2. The Draft document to be circulated to the Working Group, so all ideas can be incorporated

5.1.3 GAWLER AQUATIC CENTRE UPDATE

Staff advised the working group of the Council decision that a report be prepared for Council that includes a fully costed Heat Pump Design and Installation Analysis Report for the use of heat pump technology at the Gawler Aquatic Centre. The next steps include:

1. A site walk through with the possible consultant – a tender process will go to open market.
2. Discuss the best way forward identifying and addressing potential risks and solutions of the the design.
3. Address any issues associated with ageing infrastructure and impacts on existing infrastructure.
4. At an appropriate time consider a further site visit with potential partners such as Corena and the CEAP Working Group.
5. Note that subject to the project proving feasible, construction would occur after the current season – no impact on the current pool season .

The working Group also noted the increase in gas consumption for 2019-2020 compared with 2018-2019, and an increase in GHG emissions impact increasing from 7% to 12 % of council's total emissions.

RECOMMENDATION

Staff to keep the CEAP informed of progress towards the installation of heat pumps as part of the Gawler Aquatic Centre Upgrade.

5.2 CLIMATE EMERGENCY ACTION PLAN

5.2.1 CEAP PROGRESS SUMMARY FOR JULY-AUGUST

The CEAP Working Group noted that progress for August and September included:

1. Feedback has been received from the consultant has started to be incorporated into the Plan.
 2. Community focus has been moved to the front and Council actions moved to the back in the Plan.
 3. The Working Group discussed the merits of preparing a four page summary document of the Plan. This was supported with suggestions to include rich pictures and a GHG emissions reduction pathway. There was also discussion about whether it is still premature to prepare the summary.
 4. The CEAP Working Group agreed that the summary will be the key communication brochure that must be targeted towards the community, Identifying the importance, a positive future scenario and actions that households and businesses can embrace is very important.
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RECOMMENDATION

There was no specific recommendation but progress on the plan and the plan summary will continue in line with the preferred schedule to complete the document.

5.2.2 RECAP ON THE COMMUNITY ACTIONS WORKSHOP

1. Tim Kelly advised the Working Group that he has been requested to contact the Chair of the Youth Advisory Council (YAC) to arrange to attend a YAC meeting
 2. Jack G will sit down with the YAC members and interview them. Interview questions to be reviewed as they are currently a rough draft.
 3. Dot points from workshop were discussed
 4. Jack G will keep working on questions and expand where necessary
 5. A number of groups already exist – 350, climate reality project, aycc are key youth based organisations
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RECOMMENDATION

Tim Kelly to contact the Chair of the schedule to seek a time slot on the Agenda

Jack Gill to report back to the CEAP Working Group on outcomes of interviews

At 7:32 pm, Mr Jack Dazanos left the meeting to secure the building.

At 7:35 pm, Mr Jack Dazanos returned to the meeting.

5.2.3 CONTENT OF A FOUR PAGE CEAP BROCHURE

1. This item was considered as being addressed in 5.2.1

5.2.4 ENGAGEMENT WITH THE GAWLER BUSINESS DEVELOPMENT GROUP - OCTOBER WORKSHOP

Jack Darzanos provided a brief verbal update.

1. Caren Brougham discussed the GBDG at the last Council meeting. The CEAP WG are open to either attending a GBDG meeting or them attend a CEAP meeting
 2. The aim is to for the CEAP Working Group to listen to the GBDG, business community ideas and explore how we can collaborate in this space.
 3. Tim Kelly advised that a workshop has been scheduled at the next CEAP Working Group Meeting to avoid potential clashes.
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RECOMMENDATION

Staff to prepare a workshop outline to maximise the value of the planned October Climate Change and Business Development Workshop.

5.2.5 ENGAGEMENT WITH THE GAWLER YOUTH ADVISORY COMMITTEE

1. This item was considered as being addressed in 5.2.2

5.3 ELECTRIC VEHICLES

5.3.1 BETTER FLEET COMPARISON TOOL

Tim Kelly showed the online use of the Better Fleet Comparison Tool which enables cost and GHG life cycle evaluation of electric and non-electric vehicles currently on the market.

The CEAP Working Group:

- Noted the progress and the collaboration with the finance and fleet management teams in council
 - Noted the flexibility of the comparison tool to accept different input assumptions for fuel costs, charge costs, depreciation, personal use and many other inputs.
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RECOMMENDATION

Staff to keep the Working Group informed of progress towards agreed comparisons that would enable inclusion of electric vehicle transition actions in the CEAP and an informed budget bid to commence EV trials or a transition program.

5.4 COMMUNICATIONS

The Working Group noted the suggestions for links for the Gawler Climate Emergency Web Page and discussed the notes relating to the City of San Luis Obispo and earlier discussion on the Snapshot Profile.

- Talked about NAWMA processes
 - Need to raise awareness on what NAWMA can accept through the various waste streams.
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RECOMMENDATION

There was no definitive resolution to post the suggested links for the Snapshot and the City of San Louis Obispo.

5.5 SCHEDULING OF MEETINGS

Feedback from Council was discussed regarding whether CEAP minutes could be provided to council in the same month. The Working Group noted the feasibility of providing the minutes sometimes within 24 hours of the CEAP working Group meeting and recognised that in many cases this would not be possible.

The working group explored opportunities to schedule the CEAP meeting earlier in the month but recognised that this may clash with existing scheduled meetings in the Council diary.

RECOMMENDATION

Staff to arrange a doodle poll to explore schedules for earlier CEAP Working Group meetings each month in order for minutes to be included in Council Papers during the same month.

5.6 OTHER BUSINESS

LIDAR Mapping available from the State Government Web Page

Tim Kelly advised the Working Group that the *Laser Imaging, Detection, and Ranging* (LIDAR) Mapping for Adelaide (Including two areas in Gawler) will be provided on the State Governments climate related mapping website in addition to heat mapping and social vulnerability layers.

This will provide another information layer to assist councils and open space planning teams to prioritise areas for planting and greening, and to monitor progress over time.

The working Group noted that:

- That ToG participated in the LIDAR Project and that the report covers 2 representative areas but not the whole Local Government Area at this time. This will be placed on the State Government heat mapping website.
 - The opportunities to use this tool in planning and the need to engage with open space teams.
 - The mapping layer will be available on the State Government's Urban Heat Mapping Viewer Web Page on the 28 September 2020 via the following link.
<http://spatialwebapps.environment.sa.gov.au/urbanheat/?viewer=urbanheat&runWorkflow=StartupResilientEast>
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RECOMMENDATION

Staff to follow up the detail on the two areas that were assessed for Gawler and why this did not include the whole local government area.

6 CLOSE

The Meeting closed at 8:22pm.

7 NEXT ORDINARY MEETING

TENTATIVE: 14 October 2020 at 6:30 pm (Subject to potential changes in the schedule and any further COVID 19 constraints)

Gawler Council Chambers

The minutes of this meeting were confirmed at the Climate Emergency Action Plan Working Group Meeting held on .

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CHAIRPERSON

SUMMARY OF ACTIONS

Actions	Who	By When
1 Incorporate the Resources and Greenhouse Gas Summary for 2019-20 into the next progress report to Council	T Kelly J Darzanos	07-10-2020
2 The Working Group provide comments and feedback (via Tim Kelly) on the Climate Emergency Response ideas to integrate into the Essex Master Plan. The Draft document to be circulated to the Working Group, so all ideas can be incorporated	All members T Kelly	25-09-2020
3 Keep the CEAP informed of progress towards the installation of heat pumps as part of the Gawler Aquatic Centre Upgrade.	T Kelly	14-10-2020
4 Contact the YAC Chair of the schedule to seek a time slot on the Agenda	T Kelly	22-09-2020
5 Report back to the CEAP Working Group on outcomes of interviews	J Gill	14-10-2020
6 Prepare a workshop outline to maximise the value of the planned October Climate Change and Business Development Workshop.	T Kelly	14-10-2020
7 Keep the Working Group informed of progress towards agreed comparisons that would enable electric vehicle transition actions in the CEAP and an informed budget bid to commence EV trials or a transition program.	J Darzanos T Kelly	14-10-2020
8 Arrange a doodle poll to explore the schedules for earlier CEAP Working Group meetings each month in order for minutes to be included in Council Papers.	T Kelly	22-09-2020

ATTACHMENTS TO THESE MINUTES

- 2019-20 Resources and GHG Emissions Data
- LIDAR Report



Agenda Item 5.1.1

Resources and GHG Emissions Data

COMMUNITY EMISSIONS (2018)

The 2018 Community Snapshot has shown some changes since the initial 2017 Snapshot.

Please note that there are some questions relating to the methods and system boundaries relating to community data, and wide variations. However as a community profile in time, the values assist in understanding the scale of the emissions reduction challenge and identify areas for further investigation.

Community GHG Emissions Tonnes CO₂-e		
	2018	2017
Electricity	47,800	81,700
Gas	18,700	24.7
Transport	94,000	67,300
Waste	10,000	23,700
Agriculture	400	1,200
TOTAL	170,900	198,700



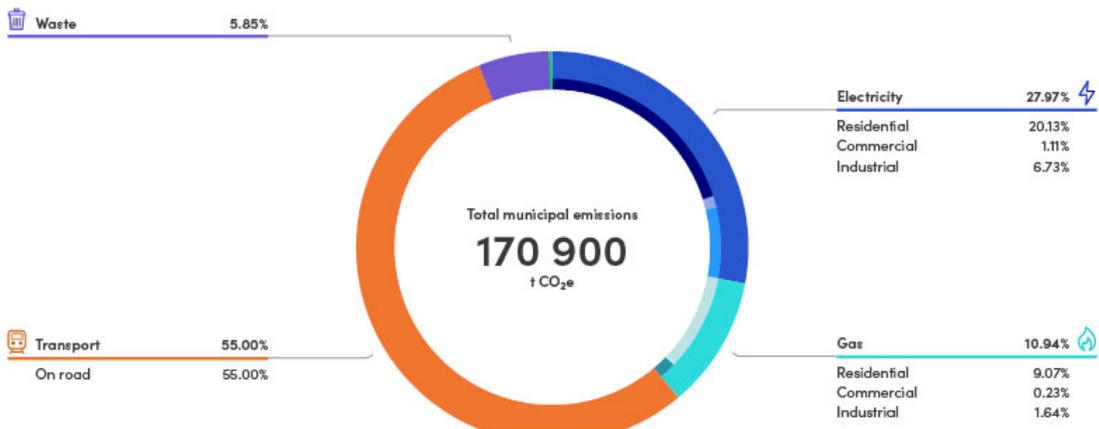
Gawler Town and Community Emissions Snapshot 2018

Snapshot Report



Gawler

2018 municipal emissions snapshot



Source	Sector	Emissions (t CO ₂ e)
Electricity	Residential	34 400
	Commercial	1 900
	Industrial	11 500
Gas	Residential	15 500
	Commercial	400
	Industrial	2 800
Transport	On road	94 000
	Domestic air travel	0
Waste	Landfill	8 000
	Water	2 000
Agriculture		400
Land Use		0

Land Use data is not used in the chart nor the displayed total municipal emissions.

Agenda Papers and Additional Information
Climate Emergency Action Plan Working Group
September 16, 2020



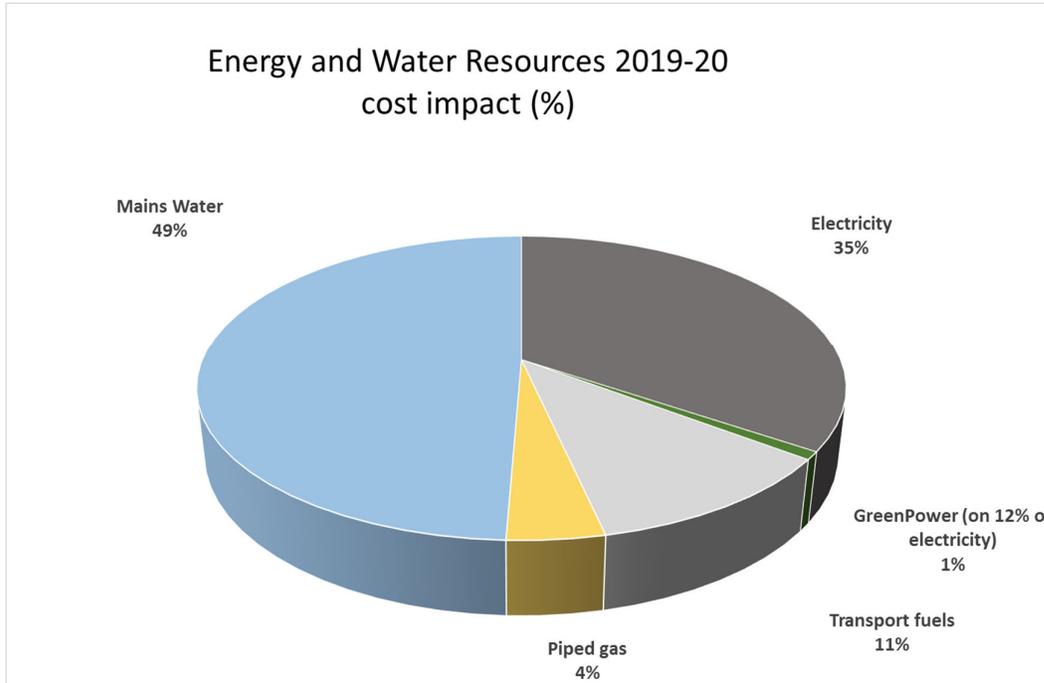
GAWLER COUNCIL OPERATIONS (2019-20)

Energy and Water Resources

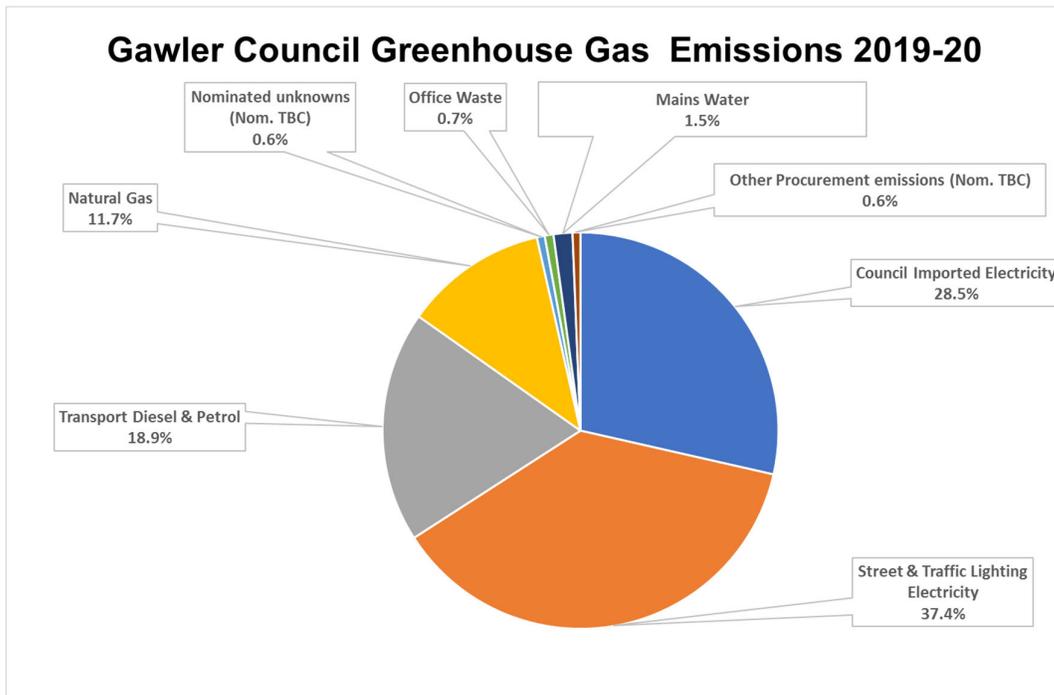
TRELLIS DATA	Cost (%)	Volume consumed	Measurement unit	Completeness of records in Trellis
Electricity	35%	1,897,278	kWh	79%
GreenPower (@12% of purchased electricity)	1%	158,683	kWh	94%
Transport fuels	11%	106776	L	Unknown
Piped gas	4%	2,939	GJ	100%
Mains Water	49%	178,842	kL	83%
TOTAL COST Energy & Water (%)	100%			

NOTES:

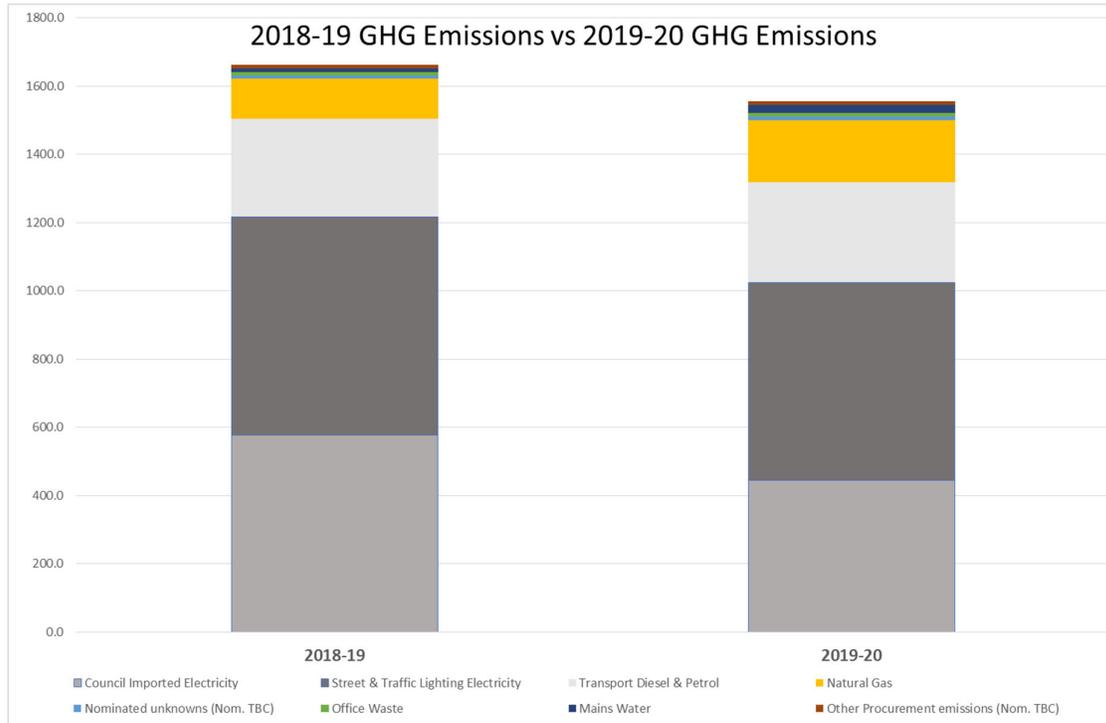
- Data accessed from Trellis and other sources is recognised as having a number of omissions and uncertainties. Where possible, data gaps have been quantified, however the size and impacts of data gaps are not yet fully understood
- gas emissions are for piped gas only and do not include cylinder gas used at a number of sites.



COUNCIL EMISSIONS



Agenda Papers and Additional Information
Climate Emergency Action Plan Working Group
September 16, 2020



Notes:

- The reduction of GHG emissions associated with electricity use is explained by the reduction of emissions intensity of electricity purchased from the grid due to increasing renewables in SA.
- Gas consumption was higher at the Gawler Aquatic Centre this year with pool heating responsible for approximately 12 % of total council emissions compared with 7% in the previous year

Renewable Energy Use as a Percentage

Estimate : > 20% renewable electricity

Includes 12% GreenPower at cost of \$12,000

Renewable electricity use as a percentage of total electricity use is based on the purchasing of accredited GreenPower in one of Gawler’s electricity contracts together with on site solar electricity produced and consumed behind the meter at three council sites (Gawler Administration Centre, Gawler Sports and Community Centre and Gawler Aquatic Centre). Complete data is not yet available for these sites as the Sports and Community Centre System has only recently been connected to a tracking application and the Aquatic Centre system is not yet connected to a power tracking system. Based on power produced and consumed from the Gawler Administration Centre,

Agenda Papers and Additional Information

Climate Emergency Action Plan Working Group

September 16, 2020



Council operations are likely to be powered by more than 20% renewable electricity (12% GreenPower + 10% on site renewables (estimate)).

The cost of meeting Gawler Council current electricity demand with 100% GreenPower would currently be the cost of total purchased standard electricity plus a GreenPower premium on 1,900 MWh. However there may be further opportunities for renewable electricity procurement through future Power Purchase Agreements which include accredited renewable electricity

This cost may decrease significantly with reforms to:

- Enable consumers to legally count their mandatory renewables contribution
- Establish market based emissions and renewables accounting with fair pricing structures for renewables purchased from the grid.

Agenda Item 5.4.1: News and Resources of Interest - Suggestions for the Web Page updates

- **Town of Gawler Emissions Snapshot for 2018.**

Electricity emissions have fallen as a result of continued renewables growth in South Australia and transport emissions have increased to be Gawler's largest source of emissions in this snapshot profile.

See <https://snapshotclimate.com.au/locality/australia/south-australia/gawler/>

- **City of San Luis Obispo California USA**

The city has established clear commitments for reducing emissions presented in an emissions reduction pathway. <https://www.slocity.org/government/department-directory/city-administration/office-of-sustainability/climate-action/climate-action-plan-1949>

City of San Luis Obispo California USA

<https://www.slocity.org/government/department-directory/city-administration/office-of-sustainability/climate-action/climate-action-plan-1949>

The **San Luis Obispo Plan** covers positive future scenario pathways in a 19 page document **Volume 1: Stories from 2035** - which is a reader oriented document projecting how the city achieved its preferred future. I have worked with students on a number of these in the past, but I do like the way that the actions of influence have been highlighted in the stories so it really does reflect the intervention of council.

It covers the detail in an 82 page document **Volume 2: Technical Foundation and Work Program** which aligns with the role of our current draft

Agenda Papers and Additional Information

Climate Emergency Action Plan Working Group

September 16, 2020



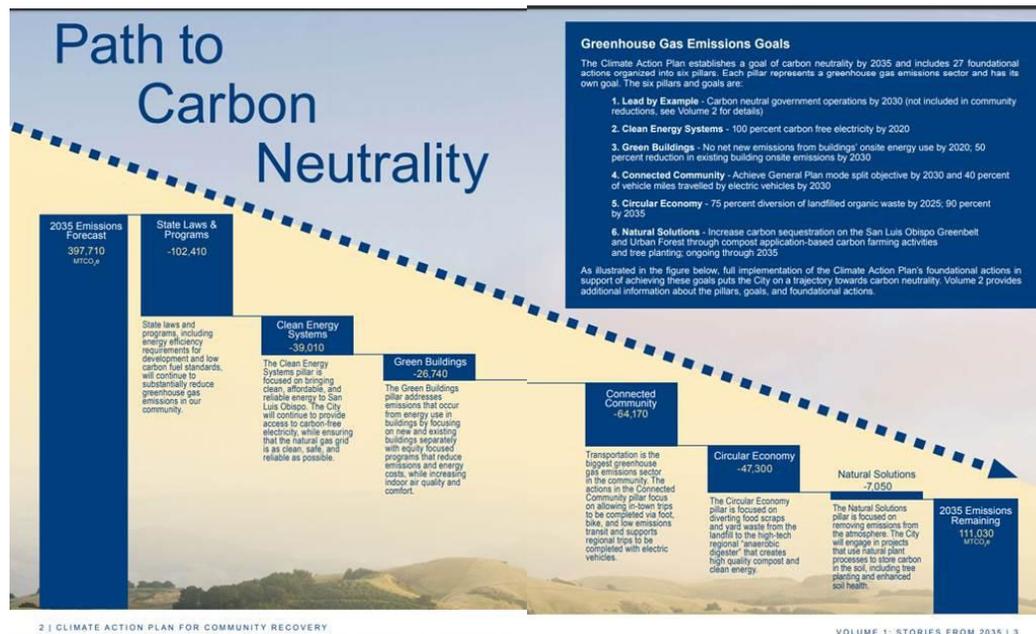
It also provides technical appendices which would align with annual disclosure of Gawler’s GHG emissions and progress

- **Technical Appendices**
 - **Appendix A - Greenhouse Gas Emissions Inventory and Forecast** - Provides the methods and data used to calculate the greenhouse gas emissions inventories and forecasts used in the Climate Action Plan.
 - **Appendix B - Reduction Measure Quantification** - Provides the methods and data used to estimate greenhouse gas emissions reductions expected to occur as the result of plan implementation.
 - **Appendix C - Greenhouse Gas Emissions Thresholds and Quantification Consistency Review for New Development** -

The 2020 Climate Action Plan includes emissions thresholds and a Greenhouse Gas Emissions Consistency Checklist to assist with determining if proposed new building development is consistent with the CAP and to provide a streamlining tool for environmental review under the California Environmental Quality Act.

- **California Environmental Quality Act Review - Initial Study / Negative Declaration** - A Final Initial Study-Negative Declaration has been prepared to address the environmental impacts of implementing the City of San Luis Obispo Climate Action Plan Update as well as the City of San Luis Obispo California Environmental Quality Act (CEQA) Greenhouse Gas (GHG) Emissions Significance Thresholds.

Some good graphics include this representation of carbon reduction from Volume 1:



Agenda Papers and Additional Information

Climate Emergency Action Plan Working Group

September 16, 2020



Adaptation has been dealt with through a brief comment in the absence of dedicating half of the plan to Adaptation. The level of effort on adaptation in the Gawler CEAP is something the Working Group still need to confirm.

What follows is a brief overview of the City's technical approach to carbon neutrality followed by six short stories that capture moments of San Luis Obispo daily life in 2035. These stories, compiled from the nearly 90 short stories submitted by community members, show what is possible if we take the bold actions outlined in this Climate Action Plan.

What About Adaptation and Resilience?

The community has expressed considerable interest in climate adaptation and resiliency. The City is taking proactive measures to ensure community resiliency and has initiated a city-wide strategic approach to climate adaptation through the updates to the Safety Element of the General Plan, which includes a comprehensive climate change vulnerability assessment.

VOLUME 1: STORIES FROM 2035 | 1