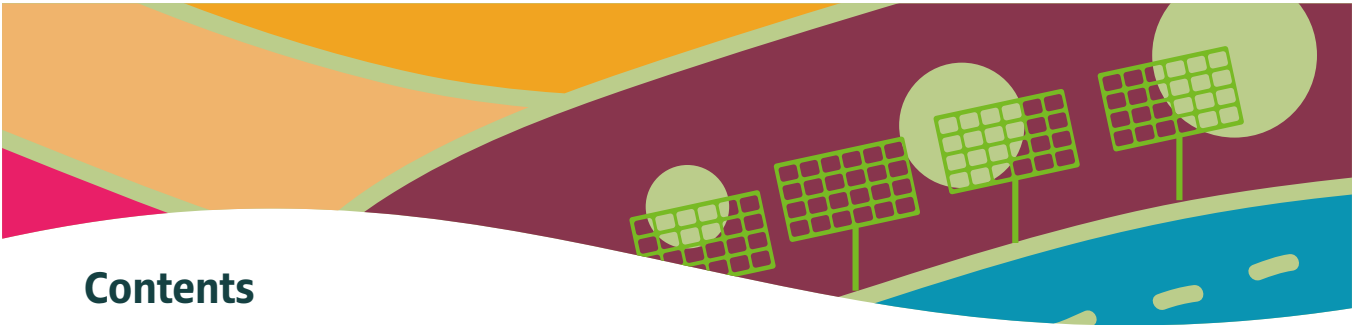




# Pioneer Park Future Use Community Engagement Report 2019 - 2021 (Stage 1 and Stage 2)





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## Executive Summary

### Pioneer Park Future Use

#### Purpose

The purpose of this community engagement was to investigate community sentiment and opinion on the *future use of Pioneer Park*, specifically with regards to the possibility of developing a solar farm at this site.

#### Engaging with the community

In June 2019, the City engaged with key stakeholders and the broader community to gather the community's opinions on and attitudes towards environmental sustainability, with a key focus on developing a Solar Farm within the City.

Community Consultation for the project was delivered in two stages via two *Communications and Engagement Plans* prepared in line with IAP2 best practice principles.

The Plans progressed to IAP2 spectrum level 'consult' to obtain public feedback on analysis, alternatives and decisions, and was supported by an integrated marketing campaign.

#### Stage 1 | Environmental Sustainability

##### How does the community feel about solar power and environmental sustainability initiatives

##### Targeted consultation ran from 1 June 2019 - 31 July 2019

Traditional stakeholder engagement was conducted.

##### Background

The City of Kalamunda consulted with the community to seek feedback on the level of interest in environmental sustainability at a local level. The City undertook preliminary community engagement to provide the community with feedback opportunities prior to Council proceeding with any large-scale initiatives, seeking feedback on broad-ranging environmental sustainability, as well as focusing specifically on the use of solar energy, and how the community would feel if the City developed a solar farm locally. The City highlighted the former landfill site

at Pioneer Park as a possible location for a solar farm development. Community support will be critical to progressing with a successful project.

#### Key Engagement findings:

The survey received 371 responses through the Engage platform, representing a good segment of the community.

The Dot Democracy engagements generated lots of conversations about the benefits of Solar Power for the City, and the most ideal position for an installation.

The overarching sentiment was in favour of further investigation into the development of a solar farm, as well as other broad-ranging environmental sustainability initiatives for the City to engage in.

**Social Media** raised a broader awareness of the consultation achieving a reach of 36,966 and 3,254 post engagements across the duration of the campaign.

#### Stage 2 | Pioneer Park Future Use

##### A Solar Farm at Pioneer Park

##### Targeted consultation ran from 1 March to 2 April 2021

Traditional stakeholder engagement was conducted

##### Background

With 70% of the community in favour of further investigation, the City conducted a pre feasibility study to identify possible locations. The pre feasibility report identified the most viable location for a solar farm on land owned or controlled by the City (avoiding land procurement costs) was Pioneer Park in Forrestfield.

Future use of Pioneer Park is restricted due to its history as a former landfill site.

In developing the Kalamunda Clean and Green Local Environment Strategy 2019 - 2029, one of the City's actions relating to Natural Resources was to Investigate the options for renewable power supplies, in response to the strategy:

*To become a carbon neutral City to address the impacts of climate change.*



The projected benefits to the City of Kalamunda regarding the development of a Solar Farm include:

- Will see the City proactively take control of its electricity supply to combat rising electricity costs.
- Provide City facilities and operations with renewable electricity.
- Complement the community’s existing solar PV rooftops and contribute to the reduction of Australia’s carbon emissions.
- Deliver significant monetary savings (after costs) for ratepayers from the City’s lower electricity costs.
- Develop local jobs and investment within the City.
- Potential for community energy savings.
- Reduce the carbon footprint for electricity consumed by the City, reducing our overall greenhouse gas impacts.
- Revenue generation to contribute to the city’s financial sustainability.

**Key Engagement findings:**

A minimum of 50 responses to the Survey were expected given the high value of change this would represent to the operations of the City, the significant investment and management of the project would involve, and the impact it will have on local residents and park-goers.

The survey received 121 responses, and one community submission, exceeding the initial expectations.

The overarching sentiment was in favour of further investigating into the development of a solar farm at this site. A key focus from the community centered around the use of the funds that would be generated from the installation.

**Social Media** raised a broader awareness of the consultation receiving 27,485 Impressions; 12,582 Total Followers, including 140 New Followers.

"Amazing. Would be so proud to live in an area that had this"

**Facebook Respondent**

"Safest, most useful idea for the old landfill site."

**Facebook Respondent**

"Go for it. Bloody great idea."

**Facebook Respondent**

"Will that mean cheaper rates as you wont have to pay for power? As long as no bush clearing involved. Interested to know given potential problems sending power to the grid what you'll be doing with all the power?"

**Facebook Respondent**

"No. Our power grid has become unbalanced because of too much renewable energy available when the wind blowing and the sun shining."

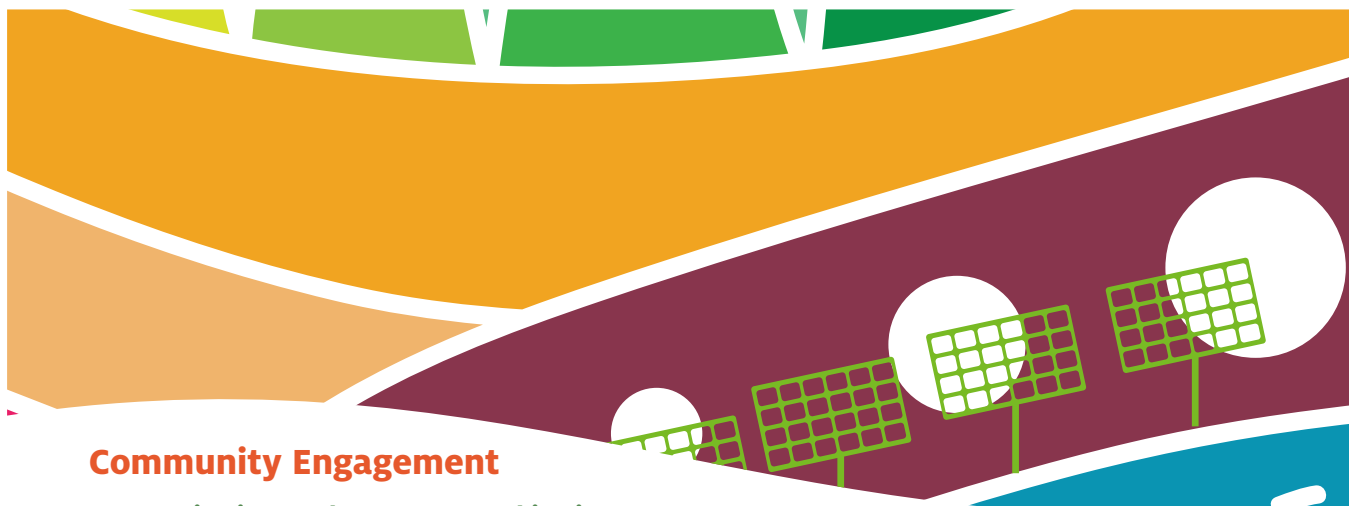
**Facebook Respondent**



**5,144 Post Engagements**

**59 Post Comments**

**10.42% Average Engagement Rate**



## Community Engagement

### Communications and Engagement Objectives:

- » Increase community awareness of the current environmental status of Pioneer Park, and the proposed future use of this site.
- » Seek and receive meaningful feedback from the community - including identified stakeholder groups - on the current status of Pioneer Park, it's future use, with emphasis on the development of a solar farm.
- » Seek and receive meaningful feedback on the possible development of a solar farm from the community view.
- » Raise awareness and profile of solar farms, and the benefits that extend to the City, and the environmental footprint at large.
- » Increase stakeholder understanding and awareness of the importance of the need to find a future use for Pioneer Park.
- » Achieve consultative feedback from community members and impacted stakeholders on the proposed concepts.
- » Promote a positive consultation experience among stakeholders with the City in obtaining equitable levels of feedback from community and residents across the City.

### Communications and Engagement tools and objectives

The city engaged with key stakeholders and the broader community via:

Engagement Tools	Objectives
Media Release (MR)	Targeting media outlets for a broader community reach.
Website: Linking to contributing nodes	Accessible, translatable, transparent. Single point reference. Links to Engagement Portal and Social Media.
Engagement Portal	FAQs, Online Survey, additional reading.
Printed Flier and Survey	Print is tangible, tactile, is viewed as trustworthy and reaches stakeholders who are not online. The flier and survey were distributed across all the City's buildings. eg. Libraries, Rec Centre.
Social Media Campaign	Targeted posts can reach stakeholders 24/7: Facebook posts, Linked In, Twitter, Instagram.
Face-to-Face	One-on-one informal meetings at pop ups to address stakeholder enquiries.
Newspaper Advert	Reach broader community who do not have online access.
Posters and Fliers	Visual campaign.
Content Sharing	Digital versions of content were provide to all local schools with a request for them to include in their newsletters.
On site Signage	Signage advising of the contaminated status of the current site were erected at Pioneer Park as a part of the campaign.
Mail out/ letterbox drop	Directly targeting stakeholders.
Dot democracy	Public engagement through interactive opinion seeking activities.

# MARKYT® Community Scorecard Report 2020

## Community Perceptions Survey

The City of Kalamunda commissioned CATALYSE® to conduct a MARKYT® Community Scorecard from 23 March to 14 April 2020. The purpose of the study was to evaluate community priorities and measure Council’s performance against key indicators in the Strategic Community Plan.

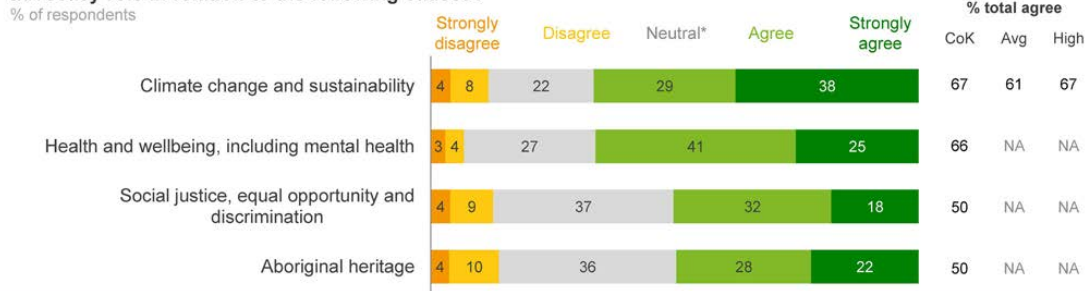
Scorecard invitations were sent to 4,000 randomly selected households; 1,000 by mail and 3,000 by email.

483 randomly selected residents and ratepayers completed a scorecard.

One of the MARKYT Community Scorecard key recommendations is for the City of Kalamunda to take a more active leadership and advocacy role in relation to **climate change** and **community wellbeing**. 2 in 3 residents support further action by the City in these areas.

### Leadership and advocacy role

#### Should the City of Kalamunda take a more active leadership and advocacy role in relation to the following causes?



Community Variances % of respondents	All respondents	Home owner	Renting/other	Male	Female	No children	Have child 0-5	Have child 6-12	Have child 13-17	Have child 18+	18-34 years	35-54 years	55+ years	Disability	Born overseas	LOTE	Forrestfield	Gooseberry Hill	High Wycombe	Kalamunda	Lesmurdie	Mailda Vale	Wattle Grove	Other
<b>Leadership and advocacy roles</b>																								
Climate change and sustainability	67	66	75	58	75	70	56	59	64	70	77	62	64	65	68	62	79	76	63	67	60	82	41	61
Health and wellbeing, including mental health	66	66	72	59	74	71	64	62	56	60	71	65	65	75	64	59	80	50	66	69	68	77	41	58
Social justice, equal opportunity and discrimination	50	47	78	44	57	54	46	43	49	52	64	44	47	52	48	37	63	50	45	53	45	49	33	49
Aboriginal heritage	50	49	56	42	58	49	47	47	47	58	53	48	49	55	48	43	63	55	52	43	40	39	44	47

Q. Should the City of Kalamunda take a more active leadership and advocacy role in relation to the following causes?  
 Base: All respondents, excludes no response (n = varies from 423 to 426)  
 \* Neutral includes unsure responses



### Strategic Planning Alignment

Kalamunda Advancing Strategic Community Plan to 2027

#### Priority 2: Kalamunda Clean and Green

Objective 2.2 - To achieve environmental sustainability through effective natural resource management.

- » Strategy 2.2.1 - Facilitate the appropriate use of water and energy supplies for the City.
- » Strategy 2.2.2 - Use technology to produce innovative solutions to reduce power and water usage.

#### Priority 3: Kalamunda Develops

Objective 3.2 - To connect community to quality amenities.

- » Strategy 3.2.1 - Optimal management of all assets.

## Stage 1 Engage (Survey) | Overview

## Stage 1 | Environmental Sustainability

The Survey received 371 responses

### Engage Traffic

- 317** Total visits
- 34** Maximum visits per day
- 103** Informed Visitors
- 267** Aware Visitors
- 32** Participants downloaded a copy of the FAQs

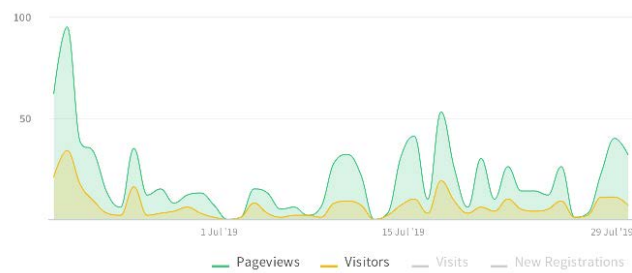
### Profile

- 100%** Local residents
- 6%** Community groups

The survey was a mixture of rating style questions and open comment questions.

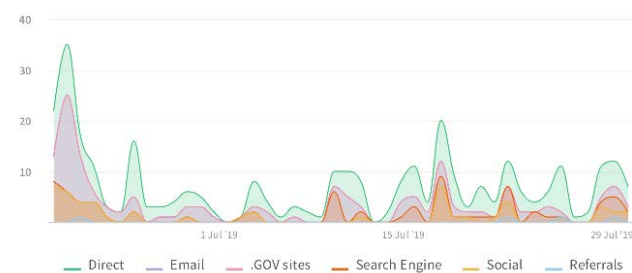
### Visitors Summary

Engage Kalamunda from 31 May '19 to 31 Jul '19



### Visits by Channel

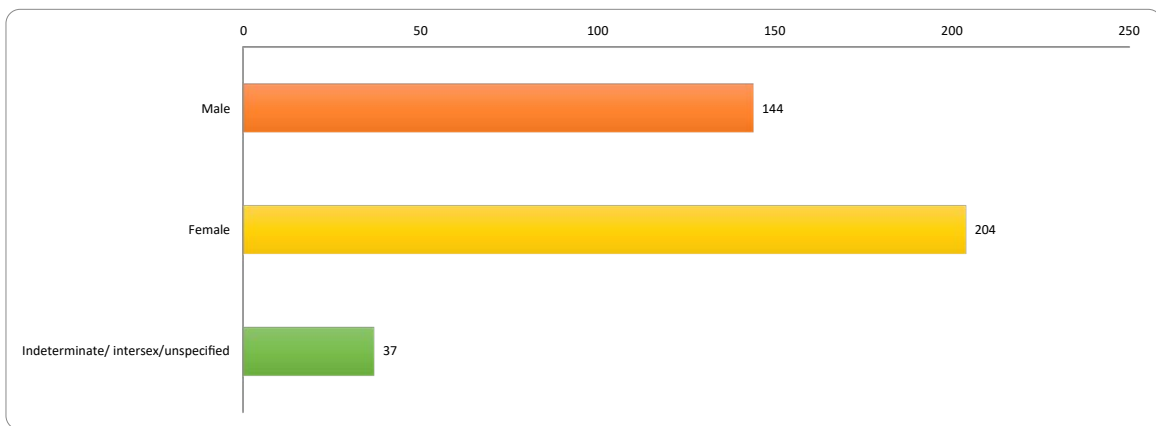
Engage Kalamunda from 31 May '19 to 31 Jul '19



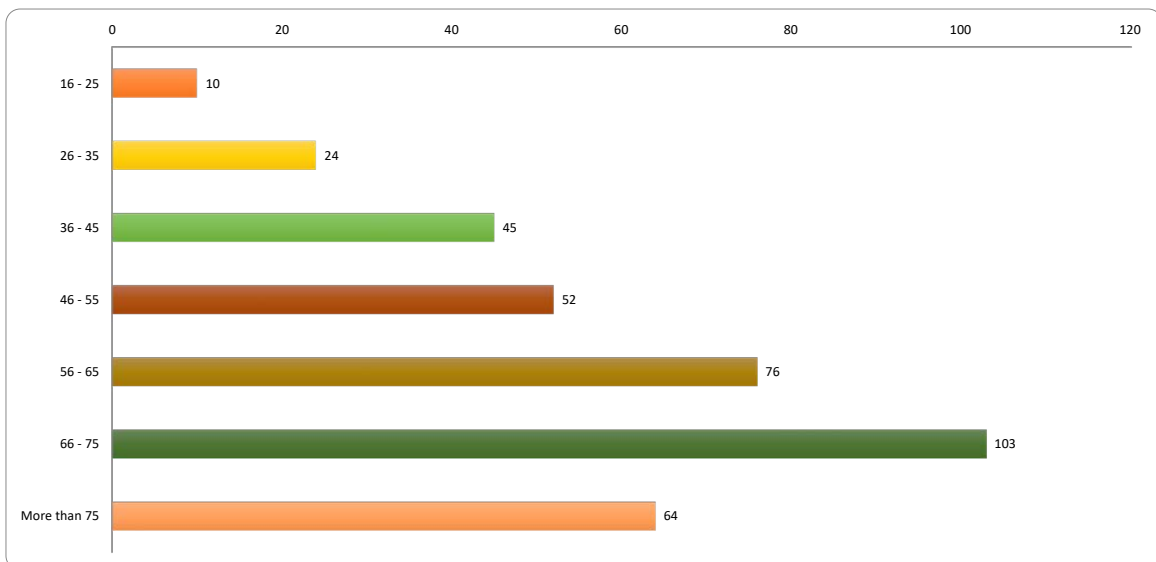
## Stage 1 Engage (Survey) | Demographics

| Solar Farm specific excerpts extracted from broader Environmental Sustainability community consultation

### Gender of Respondents



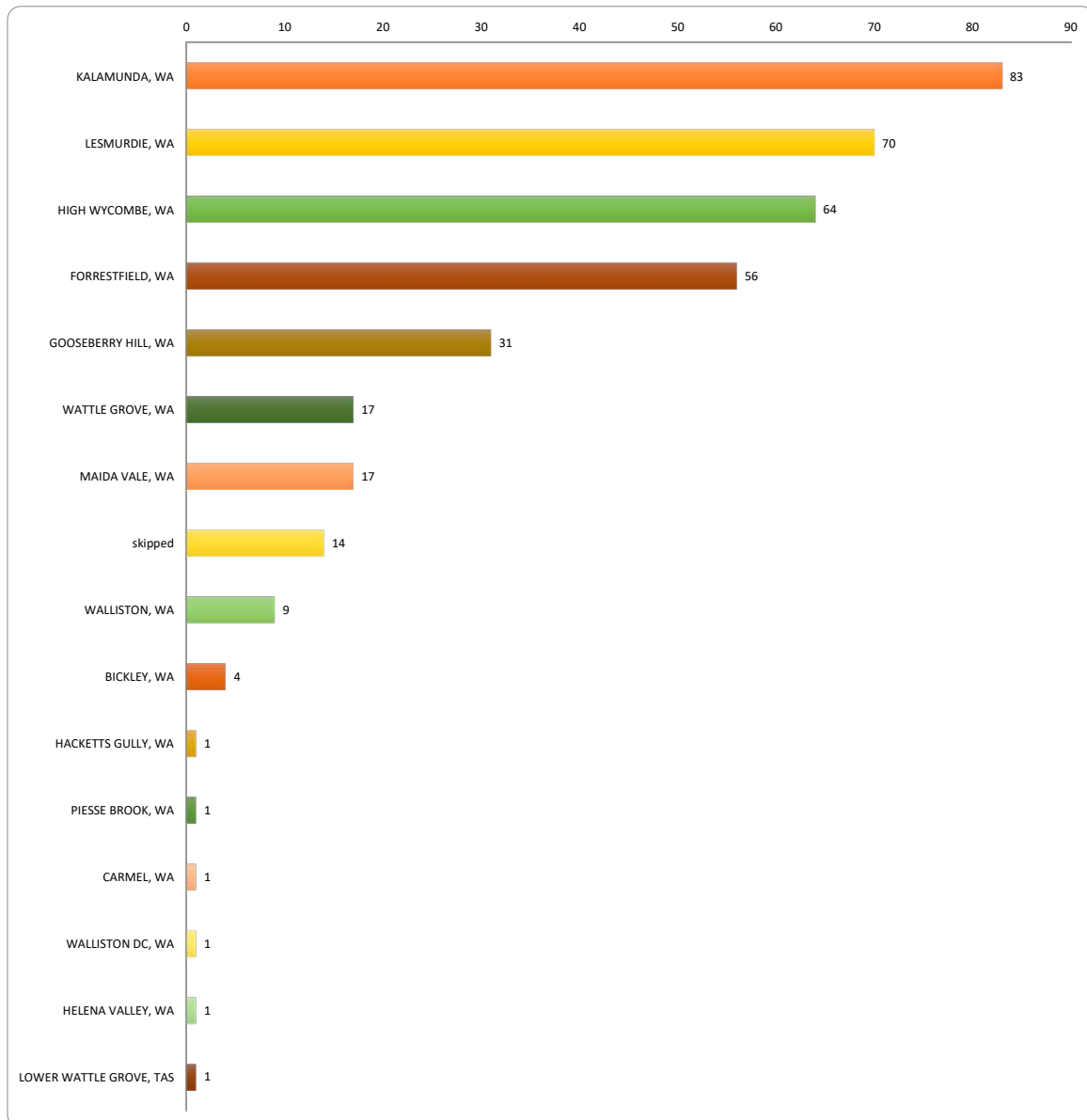
### Age of Respondents





# Engage (Survey) | Demographics

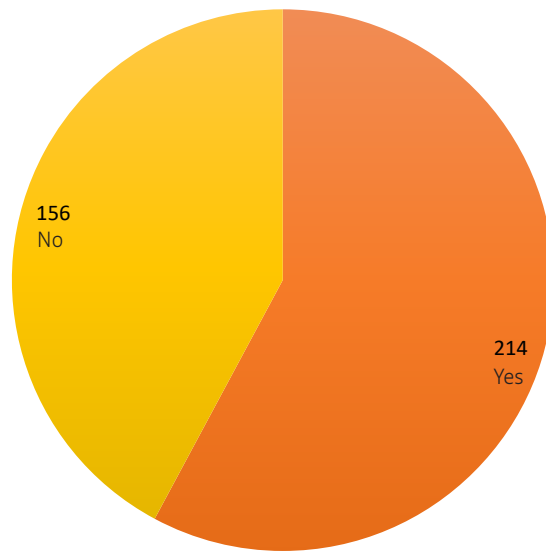
## Suburb of Respondents



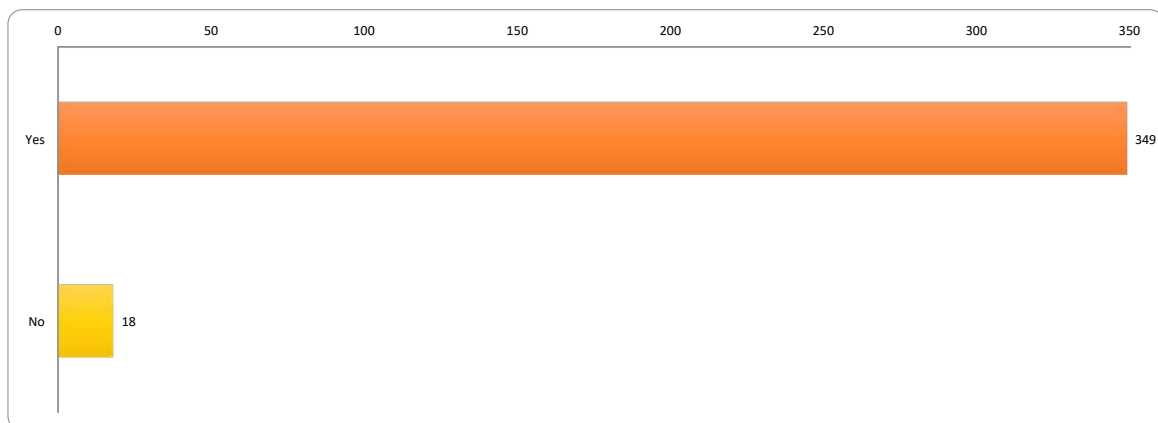
## Stage 1 Engage (Survey) | Ratings

Rating questions

### Do you currently have solar panels?



### Have you heard of solar farms?



## Stage 1 Engage (Survey) | Responses

### Open Answered questions

#### Do you think this is a concept the City of Kalamunda should explore further? Why?

1	Yes, on a small scale sense. Kalamunda does not have space for an industrial solar farm but should invest in small scale farms on shopping centres rooves and elsewhere where sun space is wasted. It provides low cost and clean energy for all and reduces the need for burning coal, pls invest in more renewable energies.
2	Yes fantastic idea
3	yes but I dont know much about a solar farm
4	Yes! Every little bit helps.
5	Yes; all achievable possibilities for sustainable energy production should be investigated, and their pros and cons considered.
6	Yes any effort towards renewable energy is great
7	Should utilise solar panels on suitable buildings to match daytime usage as it is a cost saving over time. I don't believe the City of Kalamunda is a suitable location to consider solar farms in any way.
8	most definitely. We live in Australia - a country plentiful in sun, it is just idiotic to not take advantage of this renewal resource. We need to move away from fossil fuels and solar is a first logical step
9	"Should be encouraged to get solar panels I will be getting in the near future Not sure about the solar farm "
10	Makes sense to better utilise the free energy from the sun.
11	Yes, we need composting bins, green waste bins, more education about recyclable products. Easier access to e-waste and battery disposal bins in shopping centers, and also a soft plastic initiative NOT run by Coles but collected by YOU
12	Yes
13	Carbon offset, decrease or carbon footprint
14	Yes. Kalamunda should do all possible to lead the way and show care for the environment.
15	"No. The cost of a solar farm is huge, the amount of land that would need to be cleared is horrifying, the power available from the panels is limited and then after a few years time you have to throw out all the panels when they have reached the end of their life and repurchase. So for a lot of money, destruction of the environment and more landfill all you get is a few free dollars worth of solar power. Much more sustainable and achievable would be extra insulation, energy efficient glass, education of home/business users to reduce power use etc"
16	Unsure as don't have enough info to make informed decision
17	Adjustments made by larger groups rather than just households have a significant effect on the bigger picture and would encourage individuals to make similar efforts in their personal energy consumption
18	Yes and community based renewable storage initiatives to allow people who can't afford their own battery systems to access capture/storage technology would be beneficial to the community and potentially income generating for the shire.

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

19	Yes. The more renewable energy we move to the better for the environment and our future.
20	Yes. At some point such initiatives will become mandatory so be a leader/innovator not a follower. Also lead by example for the community.
21	Yes. Solar panels are a renewable resource. They are a great replacement for non renewable resources such as coal, gas and oil. They are the most efficient source of energy as it absorbs the sun's light and converting it into electricity to power our homes, resulting in little pollution produced.
22	Yes
23	yes. Because it's re-newable energy. But will need to be thoroughly investigated as to the pros and cons.
24	Absolutely, we need more renewable energy - not just solar
25	I think it should be explored however must be cost neutral and not affect rates in the future.
26	yes, for the planet
27	Yes. I can not understand why there are not more solar farms or even wind farms in Western Australia
29	yes - in many forms
30	No, because the city will just chop down trees and destroy habitat if it creates a solar farm. Unless it uses an old cleared orchard or the cleared part of Heidleberg Park.
31	Yes, we have an inordinate amount of sunshine and an unreliable and high maintenance electricity system. This would increase independence from the State and National direction of selling utilities and not being able to provide necessities to communities.
32	Would be more interested in establishing micro-electricity grids
33	A wind farm with battery storage would be a better option, as it needs a much smaller land footprint. You have local experts on this whole topic in SEN (Sustainable Energy Now) who will happily and freely provide advice.
34	yes, we need to do everything we can to save our planet.....
35	"No It's not the job of local government to be a power supplier this should be left to the State Government"
36	Yes. Any increase in access to renewable energy is great. Although I think increasing the number of solar panels on buildings would be more land use effective.
37	Yes. I believe in clean cheaper energy and less pollution. It should be cheaper in the long run
38	Definitely, rather than destroying homes to build more.....why not do this instead. We earn enough with the cost of rates surely?!
39	I think it is something Kalamunda should explore in cooperation with other eastern region councils, to perhaps identify degraded farm land which would be turned into a solar farm. Not using pristine bushland.
40	Yes, because we need to be headed in that direction to help the environment. They're also silent.

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

41	I don't think we have enough space for a farm in the Kalamunda area.
42	Yes yes yes
43	Yes. Solar farms need to be built and maintained. Just like power plants. Therefore there is jobs creation and stability. Plus creating our own energy from solar farms inside our shire is the greatest idea.
44	Maybe, I'm not that knowledgeable this concept yet.
45	"Yes, but not if it means clearing vegetated land. We need to keep our trees in the ground and alive. Creating and interconnecting these solar ""farms"" on top of large roof spaces would be a better way to go. Or installing solar roads - a concept I have read some Scandinavian countries are looking into - would be a novel way to get more use out of roads." "
46	Yes, absolute no brainer. Should also look at wind turbines. They look magnificent and the contrast of forest and wind turbines is a wonderful statement about our love of the environment.
47	If viable then certainly should
48	Yes. Not everyone can afford solar panels on their home or business, including me. Anything which can make a difference should be done.
49	No. As this would involve more land clearing + production of these units en-mass is not sustainable.
50	Yes, not enough renewables or promotion of them
51	No. What is the business plan? Explain why Kalamunda should build a farm. Council should have panels on ALL administration buildings where usage is matched by production
52	Yes
53	Yes but would be difficult in the tree filled hills.
54	Yes. Provide renewable energy for its ratepayers and residents.
55	Maybe. If it will help lower power prices or greatly reduce our carbon foot print.
56	Not sure if you have the space for it, but go for it.
57	Yes complimented with wind power to try and reduce the cost of rates for residents and to reduce reliance on power produced by fossil fuels. Go one further and investigate whether solar / wind street lighting (similar to what is used along Busselton's foreshore) can be transitioned in.
58	yes, but only if it makes commercial sense, and will actually be environmentally beneficial in the long term
59	Yes
60	No. The grid is already under pressure from too many solar panels and not a local govt responsibility in my eyes
61	Not sure I would need to know more about them

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

62	"Power generation should be left to the experts and the state government. Getting the right balance of renewables and a fossil fuel is critical for a reliable system."
63	Reduce the need for burning fossil fuels
64	Yes - if it reduces the residents costs
65	I think any opportunity to introduce renewable energy options should be explored aggressively.
66	"No, not if it means clearing any vegetation. I have no confidence in our City planners and engineers to get value for money out of a project of this kind, so stay well clear and don't waste our rates."
67	No. There are already sufficient solar panels in place and it is not core business. The Shire should concentrate on providing existing services within budget and to an acceptable standard.
68	A solar farm would be more difficult in Kalamunda due to the nature of the terrain being hills and trees which are detrimental to Solar production. I think encouraging businesses and ratepayers to set up solar AND battery/energy storage through incentives would gain some traction and help build more sustainability credentials.
69	"Note: the question How often do you use these recycling facilities?"") does not match the answer options of Yes/No. Water is one of our most important resources, but the Water Corp charges are approximately 80 % fixed and 20% usage , so there is low financial incentive to use less water. Please get involved with addressing noise pollution caused by the airport, its a local health and wellbeing issue. And likely to get worse with the proposed new runway. "
70	Yes, solar farm could get an excellent idea.
71	Yes, in empty land areas, not at the expense of buhland
72	possibly so long as it did not require trees to be cut down to make the space
73	I would like more solar use. In perth we are blessed with lots of sunny days and should use that to reduce our carbon footprint. I would like to get solar but the upfront payment is so large. If the shire helped I'm sure more people would get solar
74	Yes. I am involved in energy generation analysis and modelling. Local generation is a preferred option and solar farms are an financially superior option. Supplementing with some wind (if feasible) would be better.
75	Yes - all roof tops could form the farm
76	Absolutely! The city's operations take energy, and that energy might as well be produced locally from renewables. I 100% support the construction of a solar farm to supplement the City's operations, and would encourage other councils to do the same. As long as it doesn't go somewhere which involves clearing bush unnecessarily.
77	Why not.

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

78	I don't know enough about them to make a sensible comment but they look environmentally responsible and a low cost form of generating power .... the question is cost / benefit and at what cost to local habitat
79	Id like to know more about solar farms
80	Yes. Locally produced renewable energy requires a lot less infrastructure and is prone to less risks than centrally generated fossil fueled power generation.
81	Definitely yes - we must keep searching for more environmentally friendly power production. Check out :Magrave Power" on the internet - it is still under development and cost nothing to run.
82	"It would be encouraging to see Kalamunda City set a target for 100% carbon neutral within 4 years. Communities need to move away from the make-use-throw away mentality and progress to long term sustainability."
83	Yes as long as they are not unsightly and are safe and not noisy
84	Not sure
85	No, this is not the job of Local Government.
86	Yes. By way of requiring all non residential buildings to make their roofs available to people investing in solar power generation.
87	Yes... this is the future
88	No, as a rate payer we can't afford it. This should be a state or federal government inishitive.
89	No, there is not a lot of flat space that would be suitable for a solar farm within Kalamunda.
90	Yes if it was determined to be cost effective going further into the future for the outlay required to put in and if it was on a battery system would be a better option for council pursue. I think if this was a serious option that the ratepayers need to know how much Shire pays for it's energy bills and the long term savings on greenhouse emissions and financial benefits gained by having a Solar Farm
91	no, it is not a good use of green countryside sites. instead industrial buildings, and places like shopping malls, should have them.
92	Yes. All avenues for sustainable renewable energy should be explored.
93	not really it is very expensive and in the long run ALL rate payers must benefit which i can not see Happening in Kalamunda
94	Yes absolutely. City of Kalamunda should actively pursue transitioning out of fossil fuel based electricity and into renewables.
95	Yes
96	I do NOT believe the "Destroying the Environment to Save the Environment" mantra is valid!
97	Worth considering as we need more renewable sources of energy.

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

98	"yes; plenty of sun available; could be an option to reduce the amount of fossil fuels currently being used to provide electricity and maybe eventually reduce energy costs"
99	Yes - I think the City would benefit from investing in a Solar Farm!
100	Yes - I thin it would be a good idea for the City to explore the costs and benefits and present this information to the community.
101	Yes - why not harvest natural resources. Australia has ample greenlight.
102	Energy saving
103	Yes, to help with energy costs in the City of Kalamunda
104	They are a good idea. The shire could save on electricity charges as has the Shire of Mundaring.
105	Don't know
106	Unsure, no information on size - how close to town?
107	Yes
108	Yes
109	Possibly, depending on cost
110	Yes, because it would take advantage of the rural open spaces that the city has.
111	Yes. It makes sense for environmental reasons. I also think wind farms would be worth looking into
112	Yes - always better it we can harness natural energy as more sustained
113	Yes
114	I think we should look to minimize energy use as a cheaper alternative to increasing green energy
115	maybe but they take up a lot of land area and need a clear space. Kala is a bush shire
116	yes, any renewable energy initiative that would work on a local level should be pursued vigorously
117	sounds good
118	yes would create some renewable energy instead of fossil fuel energy
119	no - spoil the environment



**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

120	all clean energy product should be used
121	yes, uses renewable energy and is cost effective
123	very expensive to set up - let individuals do it with rooftop solar panels
124	why not
125	no. Not something local government should get involved in. Should be left for those with experience in technical skill, power generators, high capital investment trumbling costs
126	Yes, if open space is available - grass grows underneath supporting sheep etc. No if we have to chop the trees down!!
127	yes
128	Yes, believe in solar
129	No. Wind power is more efficient i.e V.A.W.T's not H.A.W.T's
130	don't know
131	In principle yes. Also include wind energy - can be done without gigantic turbines - to future proof the area.
132	no
133	no
134	If it can be done in a cost effective manner, then yes
135	Yes, if it means cheaper electricity
136	yes. join asean smart cities
137	higher pay bracket
138	not sure
139	Yes, provided there is adequate space available
140	Yes, it's important for everyone because they can reduce from the pollution
141	A lot of countries in the world - the power is obtained by solar farms, wind farms, and sea waves
142	Yes, but only on already cleared land
143	no

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

144	yes
145	Yes - definetly
146	Solar heating both for domestic heating and lighting is necessary and govt aid should be greater to offset installation cost
147	Yes, even if only used for power city facilities it is better than the cost of externally acquired coal powered electricity.
148	Yes. To answer this I would have to know why the council wants to promote them
149	no
150	no
151	unsure
152	yes
153	not sure
154	yes, if a viable space is available
155	possibly
156	Yes - benefits to the community
157	Yes - Following initial infrastructure cost the production cost is low - raw material (sun) is free.
158	yes
159	We have an abundance of sunny weather, let's use it. Also wind turbines could work
160	no
161	no
162	Absolutely. We need to transition away from fossil fuels as soon as possible
163	No - I think that solar farms should be the initiative of governments and should be managed and operated by qualified staff
164	not sure
165	why not?

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

166	yes
167	no, not in K.S list of responsibilities
168	no
169	yes, all options should be considered
170	yes - energy efficiency and cost saving! Greenhouse gas reduction!!
171	Yes. We have an abundance of sunshine in Perth so it make absolute sense.
172	yes, uses renewable energy
173	Yes - I believe every new build should include solar panels so why not back into a solar farm to produce electricity
174	yes
175	Yes, we have abundant solar energy available here and we should explore making it available for use
176	Yes, because it's proved to work
177	Possibly bid on sound economic analysis only
178	Yes. We have plenty of sun, good alternative fuel
179	yes
180	Not without clear trees which i'm not an advocate for
181	Yes, to reduce power station use
182	Yes - consider local grouping using common batter
183	no save money
184	while supporting solar farms in principal, I am cautious about the city exploring this, cost is significant
185	Yes - as long at costs of rates are not impacted have to act locally as state and federal are dragging feet
186	Yes to support alternative energy sources
187	yes to give power
188	no, if it means getting rid of trees
189	yes
190	yes

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

191	No. Good in principle but with limited resources do not think it is within councils charter
192	Kalamunda hasn't sufficient open land space to support this use. Don't agree with vegetation clearing for this purpose.
193	Don't think a farm would be feasible due to location\area required to cost. But do think we should have panels on public buildings and if possible battery storage
194	if it is local council responsibility
195	No - where is the wide open space to install solar panels shire buildings should have solar panels
196	yes save the enviroment
197	yes. because you can make a better and bigger impact it's a costly exercise on a large scale
198	It should be looked at, but not totally reliant an any survey should not involve too much expense. Look at what other states do such as SA
199	we pay rates - use them to empty scientists
200	Possibly cheaper power and a better use of my panels - I would have to not pay a power bill again
201	no
202	no because the cost., and the council should stick to it's own business
203	yes. to be able to power you own city, then shire etc
204	yes
205	yes
206	Yes. An opportunity for local investment and supports electricity grid and reducing power costs
207	possibly - depending on what the city decides to use it on
208	yes and no
209	No-trees are our best investment
210	"Not cost efficient reduce cost of the home battery cells to make micro grid"
211	yes. Our contribution to the planet and eventually saving money
212	don't know
213	yes, in the future
214	to give home in forest the real meaning

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

215	Yes. to help save power (parts of play fields, lights of bores)
218	"possibly, but that is up to the city. Also the cost, does this mean a ""rise"" in rates?"
219	yes, but not as a farm , rooftop solar over buildings, including battery storage
220	Yes - always explore new sustainable options. Judgement about cost relation vs savings
221	I don't have enough knowledge about solar farms to answer the questions
222	No - not your business
223	Definitely. There are more buildings in a single residence. Hopefully it might result in lower rates
224	maybe - as long as you don't disrupt bush
225	why not
226	Not totally convinced it may be creating a different type of waste
227	yes - clean source energy free
228	yes, cover the dam less evap and do not need to cover land
229	"Yes - the sun is free what about wind farms??"
230	don't know enough about it
231	depends on cost
232	no. power supply not council function
233	no - which would benefit from it. How would it be distributed?
234	Yes - to provide easy access to clean energy
235	yes
236	yes and no will it effect my yearly rates
237	no state for responsibility private enterprise
238	perhaps but only if it will benefit Kalamunda and Ilesmurdie as that is all the shire care about
239	yes, plenty of sun plenty of space environmentally correct
240	yes, as it is a more sustainable concept and clean option to source our energy

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

241	yes, solar energy reduces the greenhouse gases
242	with no cost to tax payers (ratepayers)
243	yes - depending on effectiveness
244	No. Don't waste time and rate payers money
245	Definitely to offset limit our community emissions and to reduce our reliance on fossil fuel generated energy
246	Absolutely
247	Kalamunda not flat for solar - windy (wind farm)
248	yes - to provide clean energy
249	unsure
250	yes , but where
251	yes, because the majority of our community is sustainability friendly
252	yes - conserve the environment if cost effective
253	yes this would help the community
254	no, we would need to clear too many trees
255	unsure
256	yes
257	of course - it's so sunny here it's a waste not to utilise it
258	yes, it would be worth travelling
259	yes
260	yes
261	not sure
262	yes - to become part of the future
263	yes because we have to take steps to adhere climate change
264	yes. But shire of Kalamunda would keep beautifying Kalamunda! Also don't believe councillors are good at concepts

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

265	most definitely yes
266	Yes, the old rubbish tip in Forrestfield should be used for solar and or wind power. Solar chargers on light poles work as well
267	no
268	yes clean green free after installation
269	explore yes - but need to know implications
270	"yes - good option other than coal - jobs no- however could one day be unnecessary as many homes are connected to grid and will be too much power at none peak times "
271	Yes!! micro grids provide great resilience to increasingly poor national energy security, great way to promote low carbon to community
272	Absolutely - the sun is a natural resource that's being wasted
273	no - not enough flat land in this district
274	no
275	yes, if technology + cost benefit appropriate
276	set-up costs may prove prohibitive + maintenance would be expensive
277	yes conserving energy need to be in open area to protect bush
278	no
279	they should look at suburbs combining solar panels to a central storage
280	c of k could top commercial and community buildings and car parks with solar panels
281	yes
282	yes depending on cost
283	recycling bottles + cans
284	yes to save money
285	yes natural non coal best option wind water sun
286	no. expensive to install and would ass to home energy bill costs
287	yes
288	yes

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

289	yes the sun is by the cheapest form of energy and heat
290	yes
291	unsure
292	yes - any future savings with solar
293	no too many trees
294	yes, very suitable renewable energy, efficient and clean
295	maybe but may be impractical as cannot do at a larger scale. Local building roof solar is good on commercial buildings
296	to save energy costs
297	cannot afford any more panels
298	possibly
299	yes, to lower power use by the city and out on sell spaces
300	yes, could help the planet
301	yes, plenty of winf and area to put them
302	no, require huge expenses of land clear up the arrays
303	"what?? solar panels or solar farms which do you mean?"
304	if it shows true benefit
305	yes
306	the longer term would be reduction of need for current electricity generation by coal
307	depends on the purpose of energy production - own use or for ale to other parties. Situation of farm - leased land or purchased\owned
308	no
309	too many trees in the way. no use putting in a solar farm if you have to destroy the environment
310	yes. some of the unit development could install solar \reusable energy when building units
311	these are fine when the sun shines but doesn't solve base load power generation
312	don't know what it is if it's economical for the household yes



**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

313	yes, our sunlight is going to waste
314	probably not, the panels take up too much land
315	sounds very practical and great for the future
316	absolutely the sun's energy is free and is an amazing resource, we should store it's energy
317	no. They should take a big area to install and in my opinion would clash with surrounding bushland
318	would it bring the cost of electricity down
319	yes if it was researched and planned correctly and benefitted all the community
320	not really - limited open\flat areas
321	yes - positive impact for the environment
322	yes - non polluting \ renewable
323	unsure
324	definitely - if we want to retain rivers, country side we must go zero carbon
325	yes, always worth looking in to businesses could be engaged
326	yes or the network similar to on the documentary 2040
327	yes - save the planet
328	yes, we have plenty of sun!
329	yes - non polluting
330	yes - it could help save energy
331	yes, if it is practicable. Solar power is renewable energy and we get heaps of it here
332	yes, locally produced energy is best and we need to reduce our reliance on fossil fuels
333	yes - anything to conserve the planet
334	yes. it will encourage more people to go solar and hopefully lower power bills for all
335	of course they should generate local power
336	definitely

**Engage (Survey) | Responses**  
**Open Answered questions**

**Do you think this is a concept the City of Kalamunda should explore further? Why?**

337	no
338	yes
339	yes most definitely
340	yes
341	no stay with panels on buildings
342	Yes - to help the planet
343	Yes - To stop the use of fossil fuels
344	Yes. Green energy should be a high priority
345	Yes - renewables are the future of energy production
346	yes. to reduce use of non renewable resources to lower energy costs
347	possibly
348	yes but infrastructure cost maybe inhubating
349	Yes, green energy should be a high priority
350	Yes to help the planet

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

1	centro kalamunda roof, and all public facility rooves.
2	Not a good idea at all.
3	the escarpment - it would be an eyesore for people down the hill but unseen for hilltop people
4	Unsure
5	Not sure
6	I don't.
7	I have not actually studied the boundaries of COK so could not currently comment
8	Lesmurdie
9	Old quarry's, or anywhere there is Andrea already cleared.
10	Hills in valley behind G Hill
11	Under large power lines in forestfield and kalamunda. Heaps of unusable land
12	Unsure
13	No where, throw that plan in the bin please. There are many other and much better ways to spend my rates dollars.
14	Not sure, again I think capture/storage initiatives to take advantage of rooftop solar would be more appropriate to the scale of our local govt area and leave the big scale solar projects to state and federal (ha ha!) govt.
15	I think somewhere along the escarpment which receives a lot fo sun would be a good place for a solar farm.Maybe near Lions Lookout at the top of welshpool rd?
16	Not sure of location but minimal impact is important - we live in such a beautiful area and are custodians for the natural habitat
17	In an open space so there is enough room to have as much solar panels as possible to produce environmentally friendly electricity and that the area is able to get a lot of sun on the solar panels.
18	Forrestfield due to all trees in Kalamunda
19	Somewhere out of sight.
20	In the reserves under the high voltage power lines. Land is open so would get good coverage, not privately owned so no acquisition problems
21	"Dependant on what the farm is going to power will depend on the location. what is the intent?... sell power back into the grid or utilise it to power public services EG, swimming pools community facilities etc"
22	unsure

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

23	Not to sure on that
24	"any good north facing land. land needs to be suitable to suit the anchors used (minimal rock) good access Could be installed as part of a carpark shelter as done in Northam (power and shade)"
25	Heidleberg Park, an old orchard property. No clearing of existing bush.
26	Towards Bickley and Carmel where there is wide flat spaces.
27	Any place that does not already have trees (which is why solar farms work well in deserts and in farming land, where there is no existing tree canopy). To remove tree canopy to install a solar farm is inefficient. How about: Coles rooftop?
28	our houses are the solar farm ...right?????
29	"Nowhere As above"
30	Vacant, polluted, land with adequate access to solar rays. To maximise solar energy gain and use land that has limited possible uses (i.e. high levels of pollution in soil)
31	I don't know the country areas well enough to make a comment
32	Sultana Road, Forrestfield/where the Hales is being built/across the road from Dawson Park.
33	Probably not in Kalamunda but in farmland to the east - possibly on the way to Northam? Definitely not bush land or parks. Alternatively, on the roofs of all the halls and public facilities in Kalamunda, but need to use micro inverter technology to minimise impact of shading.
34	Where ever the experts think it would work best
35	Dont really know
36	I don't know the geography too well of the area. But anywhere the council can build one without disrupting the environment and local businesses too much, a solar farm within the shire is a magnificent idea.
37	Perhaps out the back of the hills, like Piesse Brook.
38	Creating and interconnecting these solar "farms" on top of large roof spaces would be a better way to go. Or installing solar roads - a concept I have read some Scandinavian countries are looking into - would be a novel way to get more use out of roads. Clearing land of vegetation to create a space for "green energy" is a backward step.
39	Any already cleared north facing site.public
40	The city of Kalamunda has a lot of space, I would chose location based on best positioned and most sunshine.
41	There are some areas of land which are contaminated e.g. Forrestfield on Dawson Ave and Gooseberry Hill near the Primary School.. Cover the soil and build there.
42	No: as per above comment!

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

43	On already cleared farm land, somewhere flat so no shadow
44	Never! Put farms on roofs, not gobble up land in an urban area.
45	I can not tell a location.
46	Not sure.
47	Not sure! Not sure where there is available cleared land.
48	Over the top of a water damn. Keep the evaporation low but still allow water to be caught - like a pool blanket. (I don't know.)
49	That's the question.
50	On top of any and every suitable shire owned building, recreation centre, hall or school so more land isnt required to be cleared to cater for it. Compliment the solar with wind, especially with the easterly winds Forrestfield experiences a huge amount of power could be generated - doesn't have to be like the huge wind generators in Albany or Rottnest other models like wind power trees are available.
51	no idea... some otherwise "dead" space...
52	Unsure
53	We should not have one
54	Rooftop of civil buildings and schools, shopping centres or covering car parks
55	Open main roads reserves
56	Somewhere with a lot of open space. Don't know the City of Kalamunda very well but should have somewhere suitable within the boundaries.
57	"On the roof of City, commercial or domestic buildings. Make it easier for rate payers to participate in Solar uptake "
58	NA.
59	Possibly unused or farmland that has become unsuitable/untenable. If you need to clear forest areas to build the solar farm then it's counter productive and just stupid in the eyes of the general public.
60	On every roof to minimise transmission costs.
61	In the industrial areas if there is room.
62	Powerline reserves. Contaminated areas. Former paddocks.
63	on the flat lands where there are no trees to shade the panels
64	On tops of commercial and government buildings??

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

64	On tops of commercial and government buildings??
65	On building/carpark rooftops where available or land that is already cleared but unsuitable for other purposes. Areas where small screening hedges can make the farm unobtrusive would work best. Preferably close to existing grid connection infrastructure to minimise costs.
66	Every house - that way the open spaces remain usable
67	Any open contaminated sites, or ex-rubbish tips are a good candidate. Lots of places around. I realise it adds cost, but you can split it up across several sites if individual sites aren't big enough.
68	See above
69	How about Heidelberg Park Carmel. It is open and flat.
70	Solar farms should only be placed on land that is already cleared - they should not put extra pressure on native remnant vegetation. The roofs of all buildings in the city should carry the solar panels (and vertical axle wind turbines, maybe).
71	Definitely Not the corner of canning road and Pommeroy road - which is good open space for the community and is well used by dog walkers. Possibly the old Dawson Road tip now just a waste ground.
72	Not sure
73	Solar farms require a large area of cleared ground. As there is currently a movement trying to increase the volume of tree canopy across the city, this idea would complete at odds with that.
74	On every non residential premises roof. Given that Kalamunda and districts purports to be a home in the forrest the amount of shade that trees create leaves no room for a solar farm within our community.
75	Perhaps the area on Pomeroy/Canning Road
76	No
77	Honestly I couldn't say as not sure how big a solar farm Council are looking at so where it needs to be located and what areas it is to benefit I'm not sure. Above my knowledge grade in this area I think. Residents would need to given options of areas and make a choice what they think and vote on it.
78	top of the buildings in the city centre. this would also make distribution easier, as power would be produced at point of use.
79	Unsure of a specific location, but an education centre could provide employment and education for people from all over perth.
80	"if it was to be looked at how about using all the roof tops in the kalamunda area and give the residence discount on rates or supplement their  then again the golf courses would be okay and the sports ovals the zig zag cannot see anywhere in Kalamunda itself so the bottom of the hills is he only area that would be available "
81	Distributed on top of the existing buildings roof tops as this would provide the least disturbance to land holders.
82	Unsure, industrial areas only.

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

82	Unsure, industrial areas only.
83	Unsure
84	"would need to be somewhere open "
85	N/A
86	Not sure?
87	Unsure
88	No idea
89	Not sure, where there is space and local enough to be utilized fully without access issues.
90	In the water catchment areas in the Darling Range
91	Don't know
92	Any land considered contaminated by landfill eg, Forrestfield next to Roe Hwy
93	appropriate roofs of all houses, public buildings, shade cover with solar panels at sporting venues, car parks, etc
94	No idea
95	At the top of the scarp in a treeless area south of the mason and bird heritage trail with clear to horizons
96	I'm not sure - where would get sun for most of the day and is a big space - escarpment? Jorgensen Park?
97	Bickley; side of the hills
98	Bickley
99	norther or northern - not in kalamunda as it has questionable benefits in the big picture
100	Not sure somewhere flat and sunny. some where along row HWY?
101	High Wycombe or near maida vale
102	without know the scale or format of it, I couldn't say. I think the decision should be science driven
103	no idea
104	nowhere

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

105	east of the darling range - Karnet prison farm
106	must be reasonably accessible, must be windy a lot of the time - access to grid
107	N\A
108	kalamunda shire - have no idea
109	do not support. high cost - low return for rate papers
110	"Jorgenson Park - in the hills Flat areas towards Perth"
111	plenty of options compared to the rest of the metropoiltian area
112	not sure
113	unsure
114	don't know
115	Decentralised + intergrated use of roof spaces on L/G buildings, roads and footpaths, space utilisation. No land clearing required can be developed incrementally
116	solar farm of commercial site will be an eyesore. Limit solar to shire (city?) building
117	no
118	no opinion on this at the moment
119	don't know
120	walliston and wattle grove
121	no
122	Under high voltage powerlines basement. Sports facilities\ buildings, Heidelberg park!?! haha
123	far away from Kalamunda and it's safe place
124	on the eastern side of the hills lots of wind and sun
125	The old tip on Dawson Avenue, wouldn't affect people's property
126	no
127	Not sure but 2 sure you can fit one



## Engage (Survey) | Responses

### Open Answered questions

#### Where within the City Kalamunda do you think would be a good location for a solar farm? Why?

128	Maida Vale - Less trees
129	Probably on the flat areas in Forrestfield for ease of handling
130	Location needs to be at highest level to obtain most sunlight, but not at the cost of deforestation. Needs further study
131	Surely subsidising individual solar panels to house - Heads would not tie up valuable natural forest
132	no
133	old softball grounds between Dawson AVE and Roe Hwy
134	unsure
135	Industrial Building roofs
136	The old tip - vacant land in Forrestfield next to Roe hwy - because it's not used
137	good question
138	In the best place to optimise the farm. Unsure of what is available to the city
139	Towards the top of the darling range - max sun exposure on one of the discussed ovals - i.e along Roe HWY in Forrestfield
140	unsure
141	Not sure, but i'm certain there must be a suitable site
142	no
143	I'm not sure. Somewhere with good solar access which wouldn't involve cutting down more trees
144	Nowhere - it is far too hilly - the terrain is not suitable for maximum efficiency
145	not sure
146	not sure where in the City of Kalamunda would be suitable
147	yes if it could be sustainable
148	no, not in K.S list of responsibilities
149	no
150	not sure

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

151	Somewhere where trees won't block the full potential and there is a lot of space with minimal cloud cover.
152	not sure
153	"somewhere open, maybe away from houses open so no trees reduce light from sun"
154	rooftops at houses estates
155	It would need investigation, due to diligence and a feasibility study
156	no familiar with enough areas
157	Forrestfield\Maida Vale\H.W. open spaces
158	not sure
159	"
160	Pickering brook way less disturbance for residents
161	Difficult? With the hilly environment
162	not sure
163	n\ a and policy\ connection seems unclear. A better model may still be rooftop, with a community battery storage
164	? would not like to see clearing of native bush land for installation of solar farm
165	Forrestfield - space and less shade interference
166	don't know
167	Councillors back yards
168	Pickering brook
169	yes because anything that improves the environment and is sustainable is worthwhile
170	Not sure?
171	you tell me!
172	see above
173	There is no flat, treeless land of suitable area in size to justify the benefit of a solar farm

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

174	old rubbish tips? Do not want an area cleared for a solar farm
175	where there is an open flat area of land and not spoil the landscape
176	where is the wide open space
177	private location away from houses
178	the vacant land in the hills that as recently called for
179	unsure
180	not in my street
181	somewhere on cleared land not bushland
182	can't think of anywhere
183	wear to the residence so he can look at or the ghastly eyesore
184	? Leave that to the experts. Least negative impact on the environment
185	unsure
186	I don't have sufficient knowledge of the city to recommend a site
187	council offices
188	there is known where you can install it? Here, it's you would have to clear to much of the natural bush away
189	not sure - terrain?
190	The solar farm should not be to the detriment of trees
191	"obviously on the western side of the hills less tree coverage "
192	don't know
193	"in the hills in the clear battery backup"
194	out where all the orchards have closed down (pickering brook etc)
195	dawson park old tip of playing fields
196	Have no idea some flat clear land if available and not where it will upset rate payers
197	apart from rooftop solar should be planted out in nature vegetation

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

198	property of the previous cement factory
199	no where
200	wide open spaces perhaps part of the playing field
201	somewhere in forrestfield
202	need space - land in a sunny spot
203	Any open space - wall, quarry, wall of weins, or water surface - dam
204	the dam
205	not sure
206	no suggestion at this time
207	walleston
208	n\a
209	Jorgenson park - has to be flat away from trees but protected from vandals
210	Boya - facing north cause it is in a very hot valley at the can pement cause it get a lot of sun
211	unsure
212	should not build one this is goal displacement
213	In Haynes street Kalamunda if only to stop the millions being spent ther every year
214	that's not my job that's yours
215	I am unsure
216	the area next to the Kalamunda tennis court because this would be closet to CBD and could power street lighting
217	"who would it benefit? who would buy energy produced? reliability??"
218	n\a
219	unsure but also consider solar micro grids also community wind farm like the one in Daylesford Victoria
220	perhaps forrestfield or maida vale where it wouldn't impact residents

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

221	unused area in Hazelmere between midland road and roe highway
222	I do not know
223	"Lynbrook road opposite of tip just outside of kalamunda"
224	I don't know
225	unsure
226	no where
227	unsure - somewhere where there is lots of sun - solar expert
228	that's up to you
229	old quarry
230	holmes road is very windy
231	an already descasted area - bottom of welshpool road, industrial eyesore
232	can't comment
233	do not know
234	already degraded natural areas if possible but don't know how empty they are
235	don't know the area well enough to comment
236	not suitable location during to over clearing required
237	every roof in kala should have solar panels linked to grid
238	unclear what is intended so difficult to say ie. visual impact
239	better spending money on battery storage
240	Jorgeson Park - relatively central, open space with RVW slopes for maximum irradiation
241	wattle grove - plenty of flat land
242	not sure
243	no idea - possibly topographically difficult
244	cleared area

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

245	nowhere
246	can not think of anywhere that does not include chopping down trees
247	a stated above, providing shade underneath and collecting energy above in car parks
248	on every houses roof top
249	unsure
250	I don't think it's a good idea
251	wallistone industrial area established business area
252	roofs sadly a dedicated site as vandalism could happen in parks etc.
253	n\ a
254	no idea
255	near the oberaky or where there is natural bush reserve
256	in Malaysia solar farms are moveable when farms have fallow paddoks
257	top and back of hills
258	unsure
259	unsure
260	don't know
261	no too many trees
262	unsure, we have limited open space so cleaning would need to be done? Maybe all the available rooftops
263	local commercial buildings, larger scale solar farm may not e possible in the life time
264	pickering brook
265	not sure - not overly familiar with the area
266	city buildings or building supported by the city. Probably any area suitably located
267	not sure
268	top of the hill

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

269	not feasible
270	not really sure
271	somewhere up on the hill i.e back of gooseberry hill lesmurdie
272	possibly north side of gooseberry hill escarpment or on flat areas along electric powerline pylons if practical
273	not sure at this stage
274	no
275	see above
276	canning rds - there is a sign there asking residents what they'd like to see on that land
277	good question!
278	have not explored situation
279	cannot think of a good location
280	somewhere it will get the most sunlight obviously
281	not sure
282	there is vacant land off Roe highway forrestfield that was old recreation area
283	n\a
284	don't know of a suitable location
285	don't know at this stage
286	unsure
287	anywhere all the businesses roofs
288	businesses
289	on residents rooftops or in the walliston industrial area
290	obviously where the sun shines - not in the forest
291	forrestfield
292	An\vacant land - no bush clearing

**Engage (Survey) | Responses**  
**Open Answered questions**

**Where within the City Kalamunda do you think would be a good location for a solar farm? Why?**

293	not sure
294	bickley\ carmel north sloping valleys
295	over water catchment areas - land already cleared, reduce evaporation from catchment
296	open sunny area needed - not sure where - DO NOT KNOCK ANY TREES DOWN
297	"1) the escarpment within the national park 2) off whelshpool road 3)Asection of jorgeson park "
298	probably on the flats - less trees to interfere with the solar rays
299	pikering brook - lots of open space, unobstructed by trees
300	no idea
301	green space between Reynolds road and Tonkin highway
302	large open areas (city has a better idea)
303	open space
304	no where
305	On the escarpment - full sun
306	Near Mundaring Weir -
307	I'm not sure. It's a fairly well treed suburb
308	Sultana road west to nardine CL to roe highway - flat, unused , quiet, industrial
309	"statham's quarry 1 army barracks\ old airstrip\ on Allen road behind CALM office mundaring? "
310	somewhere flat and with few trees surrounding along tonkin highway or roe
311	I think loxcation of a solar farm would be ideal in higher ground
312	I'm not sure. It's a fairly well-treed suburb
313	On the escarpment - full sun



**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

1	initial cost and small maintenance costs. if it were placed on the ground then trees would have to be cleared which is a negative for the environment and not worth it for the city. The drawbacks for small scale usage on rooves are smaller than the gain so should be implemented.
2	No, any slight drawbacks outweighed by benefits
3	"Not a good idea, too hilly, need wide open space and huge amounts of sunshine. "
4	As long as bushland was not destroyed in its making I don't believe there would be any drawbacks
5	Loss of space and destruction of natural habitats
6	Large usage of space in close proximity to Perth. The land is too valuable for other housing, commercial and environmental (native vegetation) purposes.
7	unsure how to answer this question - are there drawbacks to investing in renewable resources?
8	"Land clearing and vandalism "
9	Vandalism, it would need to be properly secured.
10	Cost of set up, land needed to set it up.
11	None
12	Unsusre
13	See above
14	Hnsure
15	Space used, potential trees and natural habitat lost.
16	There are no drawbacks. Anything we can do to up our renewable energy use is good.
17	Not sure, would need to research. Hopefully impact on wildlife and natural habitat is minimal.
18	Trying to find a large enough space to put the solar farm, having enough money to purchase solar farms
19	I don't know. Have no knowledge about this. Would there be noise, infrastructure? What happens to broken down materials from the solar farm?
20	Can't think of any
21	Location will be difficult, many people would not want it close to their properties, not unless this wads negotiated with owners close by. Possibly trade off with location for power supply?
22	unsure, you should find out

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

23	The cost involved I don't think would build a large enough farm to benefit the council. It would have to be a substantial sized farm to benefit a lot of people so people could see a reduction in money spent out of the yearly budget
24	"some disruption during construction (trucks) Cost need to be kept down"
25	Unslightly, habitat threat
26	The only drawbacks I can think of is if the City of Kalamunda was unfair in the aquisition of land and neglected to reduce negative impact on people who live close to the solar farm.
27	Not enough open space/sold detract from or damage the existing natural environment
28	Land footprint; potential reduction of tree canopy.
29	why not produce local. solar energy from local houses
30	Initial cost / maintenance and return on investment
31	Land use competition. Due to the limited, cleared land, this land should be maximised for other required and sustainable land uses such as set aside for housing the growing population and providing associated infrastructure and facilities
32	Mainly the initial cost of the setting up. Hopefully it won't glare in to local homes
33	None surely?????
34	Can't think of any. Solar in cooperation with wind would extend source of power.
35	None. Don't see how there could be?
36	Not being able to build one large enough to provide power for enough people without cost over-run
37	None i dont think
38	As great as a local solar farm is and it needs to be happen. I think this issue will be at corporate level. Being able to convert the energy from that solar farm to electricity used by only our shire. Wether it be reduced power rates for our shire, or if the energy powers street lights or what ever.
39	The space required that would otherwise be used as National Parks. (Perhaps)
40	As above - would likely cost the environment by way of cutting down tress and clearing vegetation - the forests, greenery and fresh are is the City's biggest asset
41	Public moaning
42	Providing it is economically viable I see no drawbacks at all.
43	I could live with it in my backyard because of the benefits but others may not feel the same. Cost overruns e.g. in the following link <a href="https://reneweconomy.com.au/cost-over-runs-and-delays-hit-more-solar-projects-and-contractors-36361/">https://reneweconomy.com.au/cost-over-runs-and-delays-hit-more-solar-projects-and-contractors-36361/</a>

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

44	As per first comment.
45	A bit ugly. The recycling of old panels. That's it
46	You have not put forward any concept plan how this would benefit the residents of Kalamunda. Use up valuable urban or bush land. Use roofs.
47	I can see no drawbacks if the cost a kw can be under the cost of the electric provider.
48	Maybe unsightly!
49	Possibility of vandalism
50	I'm not sure of the drawbacks.
51	Initial set up cost as it will no doubt require ratepayers to fork out even more on top of the already high rates we pay.
52	cost, long term sustainability. pollution caused to build & maintain
53	Not an effective use of land of money. Will result in higher rates
54	"Why would the CoK venture into something of this magnitude and who would pay? I should imagine there would be a huge back lash from the residents. And there are acres of treeless land in the shires East of Kalamunda"
55	Cost of management and maintenance plus initial price
56	none
57	Can't think of any.
58	We have enough destruction of vegetation for development without deliberately finding a new reason.
59	Already sufficient panels in production, they take up a large area, can cause glare and possibly other issues.
60	There would have to be cleared land of a suitable size and location to maximize solar radiation of which there isn't much in the shire of Kalamunda that I'm aware of.
61	This is not a project for the council as they are not an electricity generator. I would say "stick to what you are good at" and leave electricity to those who are responsible it.
62	Finding a location for solar farm, don't want to cut down trees to make room for it.
63	Nothing. People complaining about eyesore.
64	cost of creating it
65	If it took up too much space. It could be an eyesore. If plants had to be removed for the solar farm

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

66	If placed poorly, then would be opportunity cost from other developments/uses that would be forgone.
67	No
68	I can't think of any. Go for it!
69	Habitat degradation and impact on wildlife ... potentially also leading to further rate increases
70	Expensive infrastructure to setup and batteries last nowhere never as long as claimed. Then we have to recycle the batteries.
71	When all buildings and carparks have PV panels then consider other open areas such as shade areas at sports grounds.
72	Environmentally unsightly and a possible danger to human health and fauna
73	Not sure
74	"See above. Local Government should have no role in supplying electricity or in fact in any other competitive commercial enterprise."
75	Solar farms and alternative energy are a national responsibility. As long as there is a spare rooftop without solar panels there is no need for clearing land and trees to establish a solar farm.
76	Local opposition
77	Cost
78	"Cost to council to install. The residents rates are very high as it is and if they really don't feel they are going benefit anyway from it financially and having to pay more for it to be installed and that there rates will go down in some form it won't sit well with them even though solar energy is a great thing it doesn't help a resident put food on the table pay bills etc even if you are helping the planet." "
79	"poor use of green sites. Solar farms without storage (such as batteries) is a poor use of strategic funds."
80	Aesthetics.
81	you may have to chop a few trees down not environmentally good
82	One minor initial drawback could be that the solar farm is not aesthetically pleasing but if done appropriately, with appropriate community consultation, then this will not be an issue at all (most people are used to seeing solar panels on roof tops anyway). The other drawback is if placed incorrectly the solar farm could displace native bush land and/or arable farm land. Hence it is better to distribute the solar farm on existing roof tops.
83	"Possible land clearing and negative environmental impact. Degradation of the natural aesthetics of City of Kalamunda."
84	Kill the Environment to save the Environment!

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

85	The space it would take up. Initial cost and maintenance. Would he interested to learn more about the longevity of the solar panels themselves.
86	"to be viable , it needs to be a large installation ; if too far away from future consumers the distribution costs go up , but most residents wouldnt actually want to see the installation from their lounge room window "
87	Visual aspect of the farm for traffic or nearby residences.
88	The aesthetics for local traffic and residences.
89	Unsure
90	Don't know
91	Community might not accept the aesthetics of solar farm eg, communication poles
92	Clearing the vegetation
93	Don't know
94	? Clearing of bush land?
95	Having to clear land
96	Don't know
97	None, because of the ample solar energy available in daylight at this site 23km connection to a HT power line
98	Unsure
99	loss of flora and fauna turn development
100	Infrastructure and how it would look
101	Location - maintenance, equipment, sustainability panel replacement, panel disaproval
102	Not sure
103	Space
104	I can't think of any drawbacks apart from the visual impact, which could be managed by screening etc,
105	no idea
106	spoil enviroment

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

107	the biggest drawback is the cost
108	I see no drawbacks, but residents will complain if situated to close to them.
109	"The land is not available for trees unsightly\ugly"
110	none
111	High capital investment and running costs, low return on investment, low feed in rates, costs would increase rates. Challenges with battery storage
112	reduction in land use - need to be well planned
113	none
114	no comment
115	don't know
116	Water storage + management a higher priority in a high fire area + heating climate.
117	one of commercial size will be an eyesore
118	Not efficient. Ugly! Killing off birds, not worth the consequences
119	They can be an eyesore on the landscape
120	Unsightly to the landscape
121	reticulation issues need discussing
122	area needed
123	loss of amenity, previous people would complain
124	Will destroy the landscape. Not easy on the eye. Hard to get the land area. To wary and build farms
125	None.
126	Visual pollution, noise aspect, no aspect suitable
127	Can't think of any
128	People don't like change
129	Looks - i.e appearance could be the only draw back

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

130	No valid drawbacks, can only be positive to have clean suitable power even if initial cost of installation is high, it is a "one off" cost
131	Not one tree or bush should be cleared to facilitate this venture
132	cost
133	none
134	unsure
135	It would require multiple power grid links
136	not sure
137	Don't know enough to comment - other than land required
138	no
139	unsure
140	cant think of any
141	Technology still not advanced
142	no drawbacks, it's an awesome idea
143	Solar farms ideally should be on open flat land away from Australia with all day access to sun . Unsuitable terrain would create a project not cost effective.
144	not sure
145	Cost to residents
146	don't know
147	no, not in K.S list of responsibilities
148	unsure
149	not sure
150	Need adequate space. Battery technology not yet cost effective
151	Cost (initial cost is high) solar energy storage is expensive. Solar cells require materials that are rare in nature
152	none

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

153	lot's of people want but not in their backyard
154	getting people to agree, location for better
155	It would be residential space but would certainly be more beneficial than current use of city areas for light industrial
156	Maintenance costs
157	Space\ maintenance\ vandalism
158	not sure
159	Disturbing local flora and fauna. Trees and valley an issue to gain maximum sun on panels
160	n\a
161	Large solar farm would be difficult to locate in hilly terrain
162	none
163	between households
164	costs to ratepayers and environmental issues - clearing
165	eyesore, maybe noise and activity
166	none
167	no, if it means getting rid of trees
168	no
169	wouldn't want trees cleared to make an appropriate space
170	none
171	if done correct and based on science no "drawbacks"
172	see above.
173	cost
174	The cost of establishment and setting up a system to transfer the power
175	people complaining - are always complaints



## Engage (Survey) | Responses

### Open Answered questions

#### What do you think would be the drawbacks of having a local solar farm? Why?

176	don't know
177	looking at cost and benefit
178	lot's of trees
179	none
180	Don't know enough about the whole system
181	cost
182	cost and destruction of natural enviroment
183	negative impact on environment
184	unsure
185	would need flat land that may be suitable for another purpose eg, agricultural. May be concerns about size and number of panels
186	probably another excuse for hiking up rates
187	as pointed out above our location doesn't allow for enough natural bush to install with out clearing the natural bush away
188	trees!!
189	community would have to be sold on the idea and initial costs
190	don't know
191	aesthetics, large area needed
192	none
193	insightly
194	do not know enough about solar farms to make these judgement. More info required please
195	n\ a
196	failure in technology reliability on one source only
197	cost maintenance eyesore
198	Can't think of any negatives

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

199	disruption to wildlife maybe
200	I would have to pay for it
201	No drawbacks if it doesn't involve clearing trees bush
202	covering land we need the plants and trees
203	none
204	people won't like it on their property
205	returns on investment
206	high cost, doubtful benefit
207	aesthetic but I don't care - we have to make sure it won't affect native wildlife
208	no
209	The public would end up paying for it in one form or another
210	No expertise on shire stuff
211	it might benefit high Wycombe and forrestfield
212	none
213	the initial expense to the rate payer
214	takes up valuable area
215	The city would have to hire extra employees to manage this and there would be high start up costs
216	Not a drawback but the challenge will be finding sufficient land without clearing trees. Kalamunda's hilltop location be good for a windfarm.
217	none if done properly - would bring down rate if shared out and used in all city buildings
218	the power storage
219	people might not like the look of a solar farm it might be hard to find a suitable location
220	unsure
221	too much bush clearance
222	no

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

223	none
224	none
225	nil
226	I think a lot of people would be against it and all the noise
227	sight of lots of pannels
228	unsightly in urban area but preferable to make trees being removed
229	don't know any
230	location people are unwilling to accept change
231	would be to long more trees and natural bush so should balance week other needs of after life etc
232	unsightly facility- maintenance
233	Utilising the correct space so as not to upset surrounding homes - visually
234	as above larger area required to accomadate these panels
235	visual impact
236	needs battery storage to offset loads with off peak power needs - see adeliades battery storage solution
237	none
238	initial set up expenses - otherwise it needs to harden
239	not suitable in hills environment would look ugly, better in remote location
240	nil, if located + designed well
241	cost to set-up, maintain, vandalism, hilly area, offensive to neighbours
242	big area of land needed to install panels not sure of the logistics
243	unattractive
244	cost size destroying vegetation
245	a waste of open space if you use in fields
246	expense

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

247	we don't get enough sun year around
248	none
249	cost maintenance. worth effort
250	ugly outlook ruining landscape
251	no idea
252	not enough open space in city
253	destruction of natural habitat and consequential problem to life
254	always there will be someone wanting to complain
255	unsure
256	size of location
257	trees
258	none... Clearing of bushland to create the necessary space
259	scale
260	no, would be great for our future kids
261	none none\cannot afford it
262	not sure
263	capital costs
264	no plenty in Europe
265	would need to cut down trees
266	space - better to put an old peoples hoe where people wanted it (there is space there Ha!)
267	space required, maintenance
268	costs, maintenance, vandalism
269	maybe the necessity to clear bushland - unless sheltered from view it would not be pleasant sight
270	depends on the purpose and cost effectiveness. Initial outlay expensive attitudes of surrounding landholders

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

271	there are more important issues eg. aged car the state government needs to address solar power
272	see above
273	no draw backs - just convincing community they are beneficial to our environment
274	only good in daylight
275	if it's economical for the house hold why would there be drawbacks people with nothing to do will find a way to complain
276	takes up lot of land
277	nope
278	not sure
279	Kalamunda is a country field suburb and would like it to stay that way
280	clearing natural bushland
281	n\a
282	space required and cost - reasons obvious
283	unsure
284	possibly ugly if badly designed
285	wouldn't want unsightly solar farms in areas we promote as our bickley valley produce areas
286	ensuring there's enough local buy I and gurantee of power supply
287	none
288	takes up a lot of space
289	needs research
290	location - may be too hilly
291	none
292	can see any drawback providing it is in the high location
293	none except if it means increase in rates or other costs. It should reduce costs
294	trees in the hills

**Engage (Survey) | Responses**  
**Open Answered questions**

**What do you think would be the drawbacks of having a local solar farm? Why?**

295	no idea
296	no drawbacks - would be a great idea
297	"for people living close by. Meant wind farm sorry wrong answer =noise and annoyance from windfarm"
298	n\A
299	ugly
300	room
301	Clearing trees but a necessity!
302	I would hate to see trees removed to facilitate it
303	N\A
304	maintenance
305	I don't know enough about solar farms for me to give criticism
306	you would need to find a suitable location that would not involve deforestation of location
307	I would hate to see the trees removed to facilitate it.
308	Room

## Stage 2 Engage (Survey) | Overview

### Stage 2 | Pioneer Park

The Survey received 121 responses  
(In addition, 1 x Submissions was received.)

#### Engage Traffic

- 784** Total visits
- 203** Maximum visits per day
- 250** Informed Visitors
- 731** Aware Visitors
- 73** Participants downloaded a copy of the FAQs

#### Profile

- 100%** Local residents
- 6%** Community groups

The survey was a mixture of rating style questions and open comment questions.

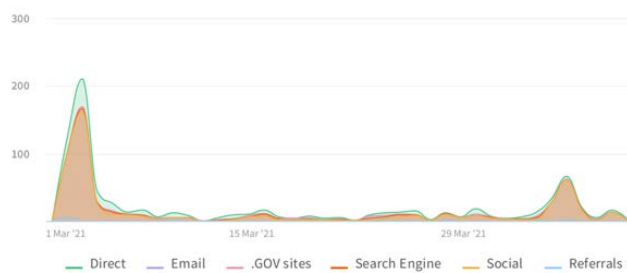
#### Visitors Summary

Engage Kalamunda from 01 Mar'21 to 08 Apr'21



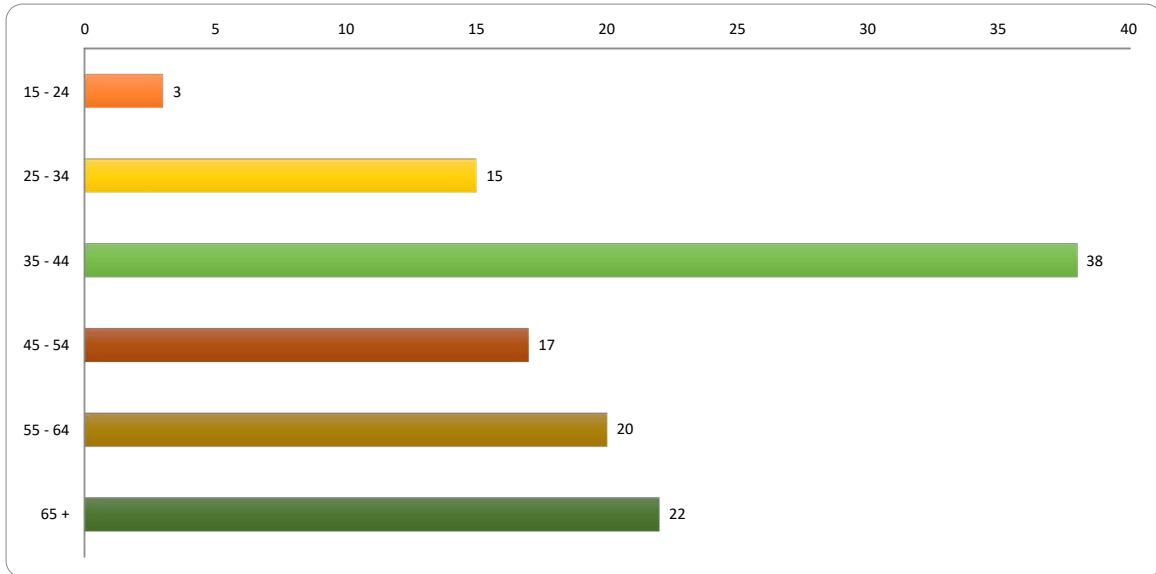
#### Visits by Channel

Engage Kalamunda from 01 Mar'21 to 08 Apr'21

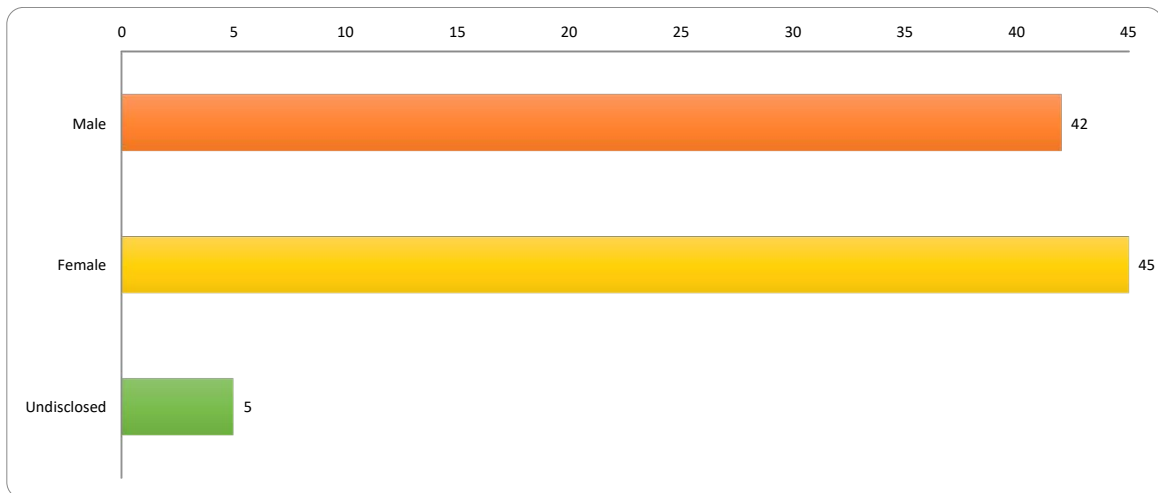


## Stage 2 Engage (Survey) | Demographics

### Age of Respondents



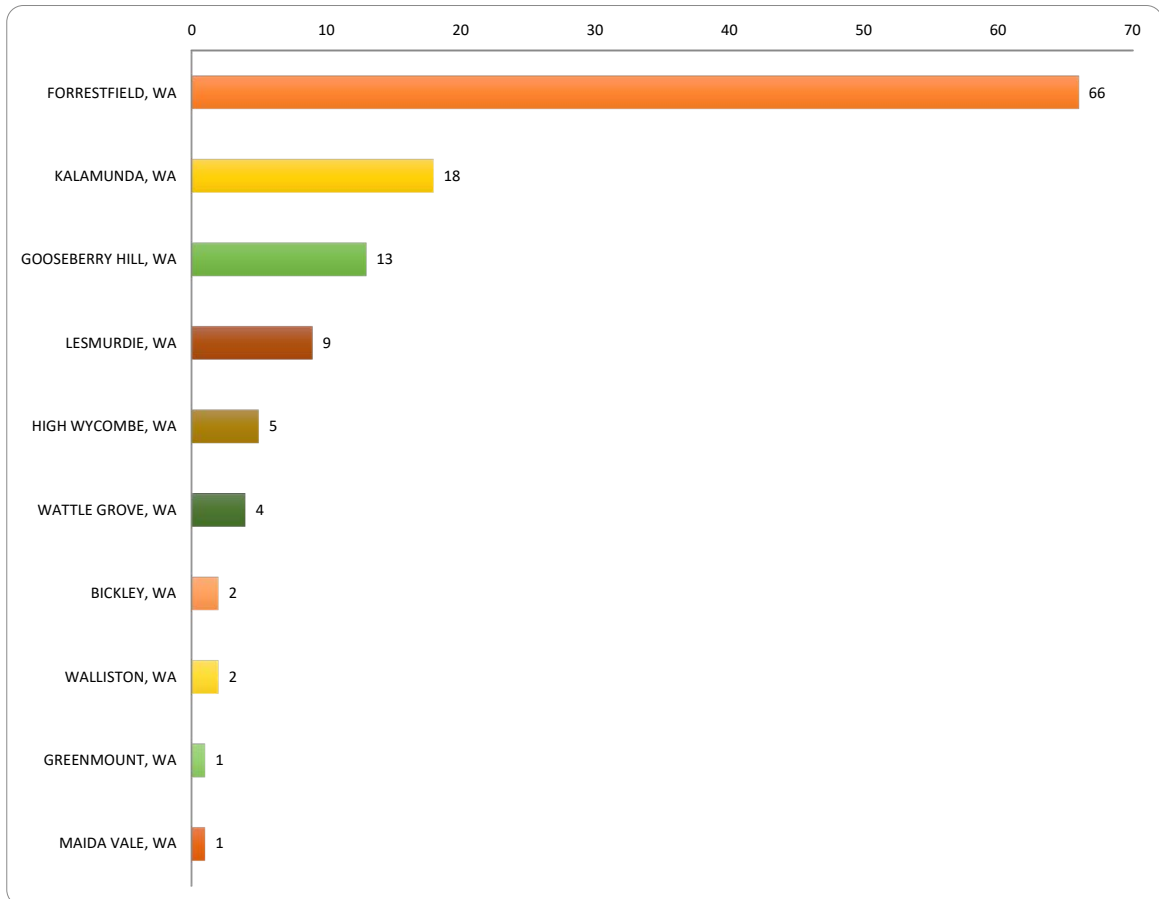
### Gender of Respondents





# Engage (Survey) | Demographics

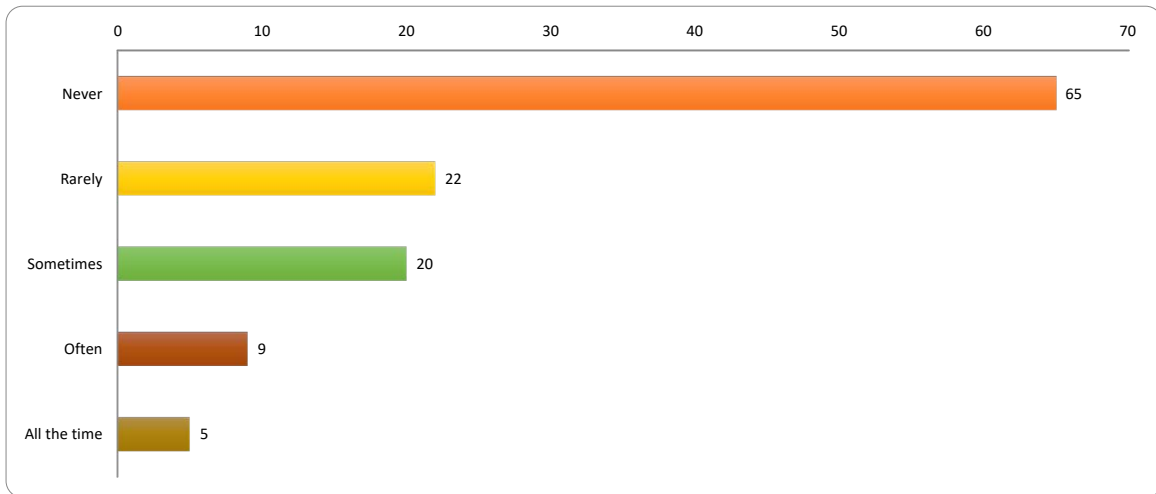
## Suburb of Respondents



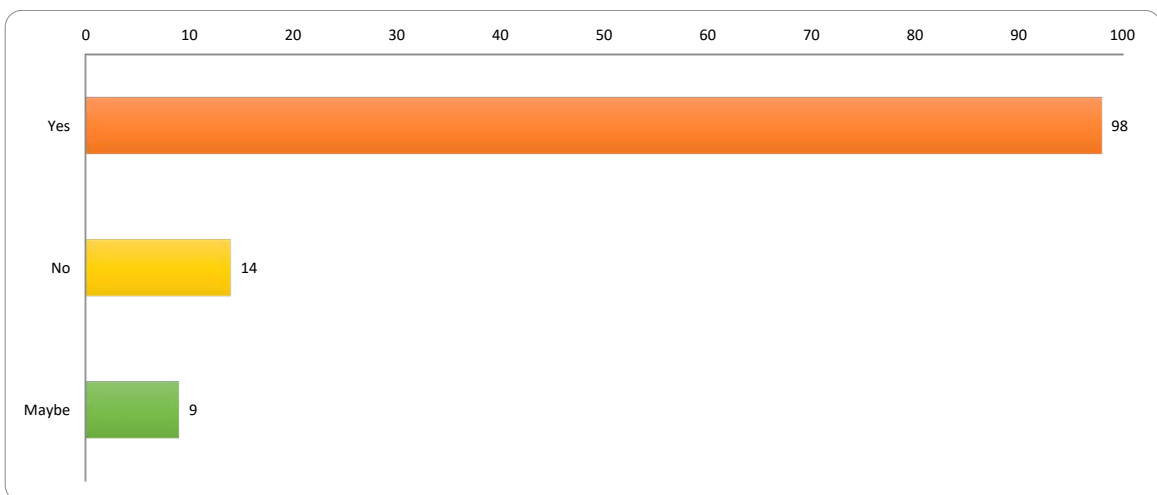
## Stage 2 Engage (Survey) | Ratings

### Rating questions

#### How often do you visit Pioneer Park?



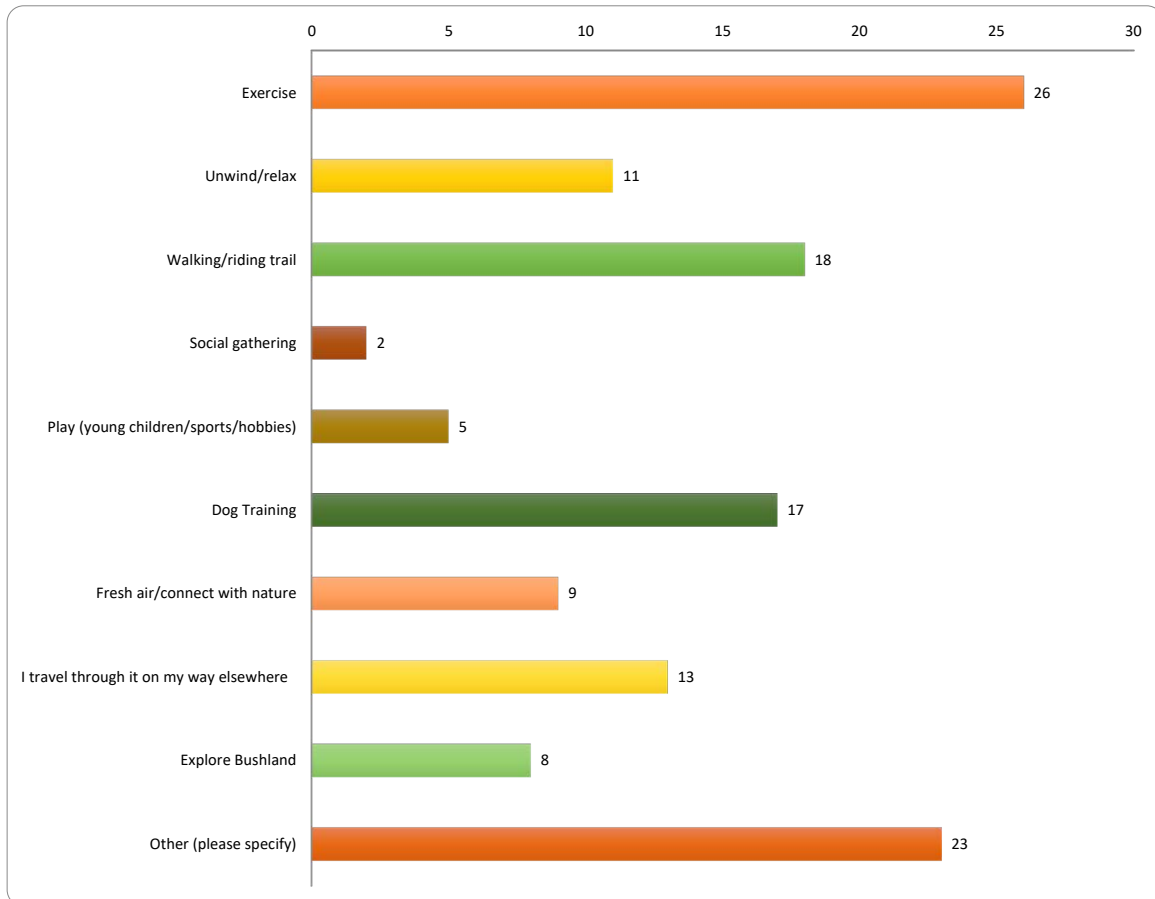
#### Do you think it is a suitable location for a solar farm?



## Engage (Survey) | Ratings

### Rating questions

#### What are your main reasons for visiting Pioneer Park (select up the three)?



## Stage 2 Engage (Survey) | Responses

### Open Answered questions

#### What are your main reasons for visiting Pioneer Park (select up the three)? (Other (please specify))

1	Walking and exercising my dog in large fenced off park away from traffic.
2	I dont go there
3	Fire fighting training
4	I don't
5	I don't go there
6	I never visit
7	I don't
8	Never
9	I don't visit
10	I don't visit
11	I don't have any need to visit it
12	Never visited
13	"Use the fenced dog area kids ride their bikes and skateboards there"
14	Flying model aircraft.
15	I just use the bike path around the side of the park
16	Can't walk on ground because of the fear of getting hurt.
17	Taking my dog for a walk, when we had one.
18	Never go
19	NA
20	Don't visit
21	I'm no longer involved in softball coaching and do not have any other reasons to go to this park
22	I use to Visit - Hot - Red - Cars - Years - Ago - At - This - Venue - Then - It - Was - A Local - TIP.
23	Dog walks

**Engage (Survey) | Responses**  
**Open Answered questions**

**Why do you think it is a suitable location for a solar farm?**

1	Good orientation for solar capturing, excellent use of former landfill site.
2	Owned by council, prior landfill, not well used by public.
3	There is only a small group who use this area so it wont impact too much of the community providing there are suitable nearby alternatives for them to excercise, fly drones etc
4	Because it wasted land and it gets very hot there
5	Sufficient space for large installation, proximity to electrical facilities, proximity to industrial areas (both power consumption and aesthetic considerations)
6	Hardly any trees, not suitable for housing due to power lines.
7	No tree
8	theres plenty of room
9	Not used much
10	It's unused space that could provide a much needed solution
11	We should put a solar farm anywhere we can manage it. It's very important.
12	Open polluted and unstable land close to power infrastructure
13	Limited use due to contamination. Large area for solar panels. Not much public useage otherwise.
14	The land is not able to be used for much else because of its past usage and it's proximity to the highway
15	A great idea to utilize the land if a former rubbish tip.
16	Old land fill best option
17	It doesn't seem to get used that often.
18	Wasted land currently and it's hidden behind bush land anyway
19	We need sustainable solar farms in Perth.
20	It is no good for bulding & as a solar farm can still be a viable environmental contribution. Also hopefully there's space to retain some habitat for small animals
21	Contaminated land unsuitable for playing fields , habitation .
22	It's an absolute dump. It's no good for building or sport, so do something productive with it
23	Existing degraded site next to a noisy highway
24	Existing degraded site next to a noisy highway

## Engage (Survey) | Responses

### Open Answered questions

#### Why do you think it is a suitable location for a solar farm?

25	Wonderful environmentally friendly initiative
26	It will be used for something other than an abandoned landfill site.
27	It is not able to be developed for other purposes due to it previously being a landfill site
28	Because it is a contaminated sites, and has few alternative uses.
29	Any place a solar farm is is a good place. Need to generate renewable energy anywhere we can
30	It's not too close to properties, not a high traffic/used area
31	Unusual and near the Roe highway so likely few native animals use the area.
32	Zoning limits use, flat land and close to hwy.
33	Unused land
34	most appropriate spot
35	There doesn't appear to be any other use for the area. It has been tried for several sporting activities but the continued use never seems to eventuate.
36	Good use of space
37	Its a landfill site and the shire thinks its a good location.
38	I understand it was previously a landfill site, therefore contaminated land not suitable for many other purposes.
39	Lots of space that is currently under utilised
40	Can't use old landfill sites for much else will always be a contaminated site.
41	Why not.
42	unusable for much else
43	Already cleared. Previous tip site. Hidden from view.
44	"Good use (practical & financial) of a former landfill. Next to Roe Highway so noise & air pollution would not be a nuisance for residents/workers if it was houses or industrial."
45	If it's a former refuse site, then it can't really be used for anything else, so why not make good use of it as a Solar Farm.
46	not too close to homes / noise pollution
47	Perfect dual use to a great park

**Engage (Survey) | Responses**  
**Open Answered questions**

**Why do you think it is a suitable location for a solar farm?**

48	For it is a landfill site and to take advantage of the inability to use it, we should put panels.
49	Convenient location for power distribution to Forrestfield facilities including the water injection site
50	Pretty large and barren/unattractive block of land at present. There might as well be some benefit coming from it
51	Good space.
52	"Close to the Roe Hwy, obviously it can't be developed as a residential estate?" "
53	Luckily it is an unsuitable site for infill housing. Former landfill site.
54	Use of the site is restricted and a suitably sized area with north facing orientation.
55	To make use of the land rather than leaving it idle.
56	It's a large area currently unsuitable for other uses due to ground contamination
57	It's a let go piece of land that isn't very nice and can't be used for anything else.
58	It's a low use area
59	It will not be visible to residences and the land otherwise would be unusable.
60	Unusable cleared space
61	There's heaps of room for it.
62	Part of an old tip site and cannot build anything on it in the future. A solar farm is an ideal use. Easy enough to plant screening at street frontage.
63	Good location and better than more houses
64	otherwise not otherwise usable. Location will not cause visual pollution
65	The area can't be used for any sport complex. This has been done and not successful
66	Unusable land, out of sight
67	As mentioned in the proposal the development of this former landfill site is heavily restricted. A solar farm could act as a form of redemption for the years of waste dumping that previously took place. Plus the site is already clear of vegetation.
68	Wasted space
69	I was lead to believe the land was reserved for recreation. But since it's now not viable, it may as well be put to good use for the community.
70	It's now just dead space

## Engage (Survey) | Responses

### Open Answered questions

#### Why do you think it is a suitable location for a solar farm?

71	Good use of land that is unsuitable for anything else.
72	It's not usable for anything else and being so near the school would be a great learning opportunity for the kids.
73	Though I don't visit it myself, based on what i know of the area and from what I can see on Google Maps, it seems far enough out of the way to not be considered an "eye-sore" for some of the more discernible Forrestfield residents - plus, it's currently unusable land. Why not benefit the environment and community with something great there!
74	Cant do anything else with the land
75	It's in an unused area
76	Open area which is unsuitable for any other use
77	Because we can't do anything with the land
78	It use to be a tip and the sport clubs left due to materials coming through the ground, so it's unfit to be used by sporting clubs
79	Because it's currently used for dumping
80	The land is unsuitable for any recreation purposes and is in a great location and big enough to support such a project
81	Strong winds through our area
82	Contribution to rates
83	It is open tot he sun and cannot be used for any other purpose.
84	A great northerly aspect to take full benefit of the sun.
85	Land useless at present.
86	Because it is open to the sun with no large areas of trees.
87	BIG SPACE
88	Land which is not income producing at present
89	An's where is a good sitg for a Solar Farm
90	Hopefully for cheaper electricity
91	Because of it's location



**Engage (Survey) | Responses**  
**Open Answered questions**

**Why do you think it is a suitable location for a solar farm?**

92	"(WEEK-ENDS) It was a Hot - Rod - Car - Racing Ground. Then a Local - Tip. & electricity was generated from RUBBISH GASES to run a DIESEL GENERATORS so I believe it would be a perfect place for solar. Games & Outings Can be done @ Dawson - Park - NEXT - DOOR ""GOOD LUCK"""
93	Allready cleared land.
94	"Remote location Area not being used for other purposes."

**Engage (Survey) | Responses**  
**Open Answered questions**

**Why do you think it is not a suitable location for a solar farm?**

1	I would prefer it to be left as a vast space where I can walk my dog safely on a leash and where my children can run around.
2	"It is a large open space that can be used for far more beneficial things than a solar farm. There is a shortage of sports playing fields. We need this space."
3	Solar doesn't work! If you haven't watched Planet of the Human's, do yourself and everyone in the City of Kalamunda a favour and wake up to the Leftist agenda.
4	Forrestfield already has an industrial area. Keep public open space, it is the attraction to the area. If you want to build a solar farm do it on top of buildings or put it in the largely unused city of Kalamunda town area
5	because it is an open space that many people in the community use, and you go and place a solar farm there and wow - high security fences, gates locked - looks like a prison - no more open space for residents to use.
6	I think a park would benefit more residents. If you want to install more solar power it needs to go on roofs and not be an eyesore in the community
7	"Because it is being forced onto the poor neighbour of Kalamunda i.e. Forrestfield. It will be very visible and an eyesore for Forrestfield. From every direction. It will be one less place for recreation. It was once a sports area now an overgrown wilderness."
8	The nice open area will be unavailable for use.
9	"a. Location & Sunlight Availability b. Installation Area c. Reliability d. Inefficiency e. Pollution & Environmental Impact f. Expensive Energy Storage g. High Initial Cost"
10	It is one of few open spaces that can be used to walk, relax and take in nature and it is way too close to domestic housing to have something like that.
11	NO, Opposite a Primary School, and removal of our Dog exercise area.
12	"Because the destruction of a local park with a solar farm will have such a small impact on Australia's CO2 to be unmeasurable. And as Australia emits only 1.3% of manmade CO2, and manmade CO2 is only 3% of worldwide CO2 production, and Kalamunda Council represents 0.18% of Australia's population, we arrive at this calculation: 0.18% of 1.3% of 3% of 400ppm (current CO2 level) is 0.0002808ppm. So the solar farm, even if it supplied ALL of the power for everyone in kalamunda shire, would reduce global CO2 from 400ppm to 399.9997192ppm"
13	As in the report published, our natural bushland is quickly being eroded. Wildlife will be effected, so to help with the carbon offset maybe stop destroying the bush
14	Using Pioneer Park for a solar farm is a GREAT IDEA, but don't put it in the open space. Put it South of the Dog Park in the area that is still a mess.

**Engage (Survey) | Responses**  
**Open Answered questions**

**Why do you think it is not a suitable location for a solar farm?**

15	The area is large and frequented by dog walkers. The site allocated on the map appears to still allow space for the dog park but i would like to see the dog park in the area expanded and better maintained.
16	Positive: The space is wasted and the production of renewable energy is a very positive use of the land. Negative: There are a lot of children and young adults that will likely vandalise the area.
17	"As it is close to residents and Roe Hwy, one would need to look into the effects of reflection and glare off the panels. I love the idea of using the land that has previously only been for landfill. "
18	It depends on so many things. Not sure without researching other areas this has been implemented.
19	Currently, the park is used by people using model aeroplanes + drones and it is a good spot for these Hobbies. Can solar farm co-exist with drone/aeroplane operators?
20	Whilst I support a renewable energy initiative, I am uncertain about the location. This location is used by many local residents for recreational purposes. If the whole site were to be used as a solar farm this would deprive the local community.

**Engage (Survey) | Responses**  
**Open Answered questions**

**What is the benefit of a solar farm in your opinion?**

1	Sustainability and guaranteed energy for the City of Kalamunda operations
2	"Reduced use of fossil fuels, sustainable energy use. "
3	Generate power to create revenue or reduce costs whilst improving our carbon footprint
4	I love the idea of a solar farm, just not here. Great for the environment as an alternative fuel source.
5	The land has limited use due to the pollution levels, this is a great way to reduce carbon based energy consumption and make good use of an otherwise vacant space
6	Generating power for the future and using the natural sun
7	Power prices, power security, future proofing the grid locally and aiding local development.
8	Climate change is the world's number 1 priority and will affect us all. Every shire needs to chip in and an initiative such as this would generate very positive press for the Shire of Kalamunda.
9	Fantastic opportunity for renewable energy.
10	Clean energy, climate change
11	prevents climate warming ? :/
12	Green credentials and needs to start somewhere
13	Energy requirements, improves climate change, helps environment
14	Environment. We should all be moving towards clean energy as quickly as possible.
15	"Solar farms are more cost effective than rooftop solar. Solar power is cheaper than fossil fuels, renewable and non-polluting. When we close down fossil fuel industries, we can halt the climate crisis. City of Kalamunda can be a leader for other LGs to look up to. May encourage elected City officials to declare a Climate Emergency."
16	Carbon neutralisation, ability to create energy for storage, better use of the area.
17	Clean energy
18	To feed into the grid and help reduce power costs, maybe help reduce council rates?
19	There is not a benefit in my opinion
20	Renewable energy. Reduced carbon foot print.
21	Carbon off set for the city
22	Renewable energy

**Engage (Survey) | Responses**  
**Open Answered questions**

**What is the benefit of a solar farm in your opinion?**

23	Reduction in energy cost and carbon emissions
24	For future generations
25	Reduce reliance on coal
26	Cost saving to the rate payers an environmental (hopefully)
27	Reduced costs for the City. Those saved costs can otherwise benefit the community
28	Lower emissions, shows the City is taking steps towards sustainability. It may convince residents to take up solar.
29	Environmental
30	To provide power to local businesses and residents, to make use of the abundant sun we have in WA and to find green ways to make the City of Kalamunda a healthier and vibrant place to live.
31	Less harm to our environment
32	Optimising a renewable resource to reduce a significant cost to the City.
33	More renewable energy to the grid. A greener solution.
34	Renewable energy. Literally pioneering it. Pun intended
35	None at all
36	The benefits are obvious.
37	Renewable energy! Australian government needs to take more action on using natural renewable resources, we have the perfect country for so many different types!
38	It's the direction we need to move, and cannot wait for federal Gov to take action. Towns need to lead in Green Energy
39	Switch to renewables, and subsequent environmental advantages
40	"Environmental benefits and you mention "Deliver significant monetary savings (after costs) for ratepayers from the City's lower electricity costs"  So will be good to see these savings realised for ratepayers "
41	communtiy renewable energy.
42	To cut emissions and to save costs on electricity accounts.
43	clean power
44	Healthier planet.

**Engage (Survey) | Responses**  
**Open Answered questions**

**What is the benefit of a solar farm in your opinion?**

45	Renewable energy that over time has a lesser environmental impact than coal as well as the ability to generate more energy per acre (again over time).
46	Better for the environment
47	Community benefits, awareness, education on renewable energy
48	Save money on the running costs for us the rate payer and the council.
49	creating sustainable power generation
50	Doing our bit for climate change.
51	Solar energy is considered and inexhaustible renewable resource.
52	Sustainable energy which is good for the environment and cheaper therefore better for the community.
53	Any alternative options for generation of power, using our natural resources is a good thing. Anything is better than the old coal option.
54	clean energy
55	Make use of the existing sun to produce electricity. Offset the carbon dioxide that standard electric power manufacturers produce.
56	To do our part in not running our globe further into this global warming crisis.
57	Anything that saves water and does not use fossil fuels is a positive
58	"none for the individual - it's not going to be given back to the local residents, it's not going to reduce our rates. "
59	does not benefit any more than rooftop solar
60	Sustainable power, but why not put it up in the hills on the back of a hill out of sight. I know let's propose we use Stirk Park.
61	Environmental future of our planet.
62	I'm all for renewable energy. Try and get the FAT CATS to move away from their profits in mining...
63	Going Green in our local area
64	Offset the City's power costs and has potential for developing other solar farms on former landfill sites within the City.
65	Nil
66	To generate electricity

**Engage (Survey) | Responses**  
**Open Answered questions**

**What is the benefit of a solar farm in your opinion?**

67	Reduction of greenhouse gases is a major benefit, especially so if this were combined with battery storage for grid feedback for street/security lighting over night
68	Better for the environment
69	Better way of creating energy
70	Lower cost of energy
71	Lower rates along with leading the way for other councils to follow suit and invest in environmentally friendly options
72	utilising natural resources for energy
73	Reduction greenhouse emissions
74	None
75	Lower the cost of the electricity bill.
76	Reduce costs for city. Use of otherwise unuseable land.
77	Helps to lessen the foot print and gives a sense of "Doing our bit" for climate change.
78	Benefits are not obvious as the WA power distribution system is currently saturated with household PV systems. The pre feasibility study lacks detail on usage vs generation across the day.
79	No benefit in my opinion, studies have shown that hundreds of thousands of birds are killed each year on solar farms, also an inefficient way to produce energy ie no production at night
80	Reduse Electricity cost
81	Free electricity and a reduction in the need for fossil fuel generated electricity. Plus better energy security for residents of the City of Kalamunda.
82	Apart from the obvious environmental benefits, a solar farm could help to educate and encourage the community to be more environmentally aware and sustainable in their own homes.
83	Good use of unused space.
84	Solar Power is a benefit for all now and in the future. Hopefully Forrestfield will be looked after with this project.
85	For clean energy
86	Great to see CoK joining the 21 century and providing a green alternative
87	Climate change is a real and imminent threat, and we need to do everything we can to reverse our impact.
88	Less carbon emissions and saving money (which let's be honest, in the current economic climate, everyone desperately needs)
89	Free power

**Engage (Survey) | Responses**  
**Open Answered questions**

**What is the benefit of a solar farm in your opinion?**

90	Free power
91	Cheaper costs for residential area
92	Great source of free renewable power which will benefit the community
93	Cleaner energy, cost savings which should be passed onto the rate payers by discounts on rates and not into the ever so greedy shire pockets.
94	To help the earth, but what about wind farm as well
95	Less carbine footprint for the area
96	Carbon free
97	Environmental benefits and long term financial benefits
98	If it can subsidise power generation, this is of benefit to all.
99	It should help to ease the number of power failures/blackouts which occur on the grid. Maybe help with cost reduction of pwr.
100	Reduction in carbon footprint/greenhouse gases
101	Could be useful in the future.
102	Hoping that it will help make power cheaper for everybody
103	They provide clean energy therefore better for the environment. You only need a few hours of sun to harness the energy. Would be beneficial for housing etc in the long run.
104	Excellent source of alternative energy
105	"Put this land to a productive use Create an income Reduce electricity expenses to C of K"
106	Extra Power
107	Obvious.
108	As above
109	Green Power source
110	"Same as - above, & lots of Solar - Power - Fed into the GRID. A solar farm is a GREAT IDEA. As it runs QUIET. No. GASES or NOISE. WORRIES, and makes POWER."
111	Renewable energy.



**Engage (Survey) | Responses**  
**Open Answered questions**

**What is the benefit of a solar farm in your opinion?**

112	Depends what it is going to be used for. Is it going to be feed into a local grid? or into Western Power main grid?
113	"Carbon reduction Sustainable resource"
114	Obvious benefits of renewable energy sources such as environmental impact. Although CoK have not explained what they intend to use the solar energy for and whether there are any benefits to the local community, particularly forrestfield. A reduction in rates for example.

**Engage (Survey) | Responses**  
**Open Answered questions**

**What concerns or issues do you think need to be further considered?**

1	No major concerns
2	Reaching a wider audience on this issue by posting notices in the Echo and via community awareness / info providers at the Hawaiian shopping centre or community gatherings in Forrestfield (if we have one this year eg Corymbia)
3	There isn't much wide open space in Forrestfield such as what is available at Pioneer Park. Additionally it is adjacent to Dawson Park Primary School.
4	"eye sore" factor of the farm for neighbouring residence. Will people be able to access the area still?
5	Na
6	As this is an already cleared area, impact on local wildlife will be minimal but should still be considered, particularly due to proximity to Roe hwy and the risk of wildlife fleeing in that direction.
7	Removing access to those that currently use the site. A suitable large fenced off dog park in the area that would allow space for larger dogs to run.
8	using too much sun may be wasteful and other stupid answers
9	Battery capacity
10	Just need to keep residents informed
11	We are moving too slowly in this area. Please hurry up. I might be too old to ever benefit, but I have younger family and I'd like to think they will be able to exist in the future.
12	Provide on-site power storage to work in conjunction with facility. Cost of storage system can be offset against profits generated by solar farm.
13	Any potential fire risks particularly if there are hazardous materials in the ground.
14	I do not consider there would be any issues other than vandalism, but if it was under security back to Forrestfield Police Station, that could be advertised and taken care of by our supposed expanding police force.
15	I don't think it is in the City responsibility to be a power generator. They do not have the expertise to take on a project of this scale. Any consultants will cost more than the benefits. The money spent on developing and maintaining this will be a huge burden on ratepayers. The ground will still need to be stabilised for this project, so restore it to playing fields and exercise area please.
16	The community's attitude, in the area, to other's property. Vandalism and Graffiti.
17	No
18	None.
19	None
20	Impact on local residents
21	Ensuring some native planting / habitat opportunities for birds or animals. Design with that in mind please

**Engage (Survey) | Responses**  
**Open Answered questions**

**What concerns or issues do you think need to be further considered?**

22	Ensuring some native planting / habitat opportunities for birds or animals. Design with that in mind please
23	Security re vandalism.
24	"Vandalism The trees at the northern end of pioneer Park may shade too much of the panels Efficiency of panels over time Maintenance costs"
25	Explore greater electrical efficiency within existing council buildings. Use savings from the solar to fund additional solar panels on other City buildings.
26	NA
27	None
28	Unsure
29	Security and vandalism.
30	I do not want to be taxed more for solar panels in our shire when we already have our own solar panels. The money should be sought from government grants.
31	No concerns
32	The efficiency is pathetic and they don't last!
33	The solar farm will be an eyesore. The city is once again taking away public open space. It's likely there will be no benefits financially for residents just loss of space
34	Transparency over energy collected and how this has helped the council etc. I feel this will help encourage residents to see the great benefits in doing this
35	Impact on native wildlife
36	Nil
37	security around it
38	No concerns.
39	none
40	None that I can think of, I have faith the Shire of Kalamunda will do the right thing.
41	The local impact for people living nearby. The aesthetics and the potential of creating a native plant screening from homes that supports native wildlife.
42	Vandalism could be an issue

**Engage (Survey) | Responses**  
**Open Answered questions**

**What concerns or issues do you think need to be further considered?**

43	Maintenance of the system ongoing costs
44	Keep them from being vandalised.
45	I am not sure if there is another use for the land i.e storage underneath the panels
46	Would this space still be accessible to the public for exercise? Walking etc? Would there be noise pollution? Would we see it from the curb is it aesthetically pleasing or not? Would rate payers benefit directly? Open unused space is just as important for the community to utilise.
47	Maintenance (in particular cleaning) and whole of life costs.
48	Decommissioning of old solar panels.
49	the closest residences
50	Safety.
51	Public safety whereas public can't get too close. But close enough to learn how the farm works to help encourage more people to see the benefits of a farm
52	Cost and future planning
53	what it is going to do to the aesthetics of the area - City of Kalamunda already don't spend any time or money down at Pioneer Park, so all this will do is fence off the place and make it look like a prison camp in the area.
54	Who pays to clean it away when it becomes defunct
55	The 8mpact on the quality of life in Forrestfoeld with a more industrial area in our midst.
56	None
57	Instead of trying to build affordable housing in semi rural land, put houses in this park with solar on the roof
58	Fire protection and potential vandalism of solar farm
59	Ensure the ground conditions are understood to manage the disturbance of contaminated material during construction.
60	"1. They take up a lot of space. 2. Output levels can be affected by weather conditions. 3. It may impact the local environment in negative ways. 4. Solar farms are expensive to build. 5. Energy storage costs can be expensive."
61	None
62	Potential "glare" pollution should be considered, to local residents (though given the NW aspect of the site unlikely to be serious), to the nearby Roe Hwy traffic & to the Perth Airport flight paths.

## Engage (Survey) | Responses

### Open Answered questions

#### What concerns or issues do you think need to be further considered?

63	"Proximity to housing Reduction of open spaces available to public Reduction of house prices in surrounding area Public should be able to vote on issue"
64	The location, other health or enviro concerns.
65	none that I can think of.
66	Damage to solar farm from graffiti/ vandalism
67	Make decisions on facts, not alarmist ideologies that have no basis in fact
68	Will Pioneer Park be closed to outsiders? Will we still be able to exercise there?
69	"Potential" use of power by residential? This will be very unlikely. Dont spread this furphy around. This will be solely for the city .
70	Hope rates do not rise, in fact hope the "free" sun used as stated, could lower them slightly. eg. lights (street) etc
71	"While PV installation is a good use for the site, I am strongly against ratepayer funds being used. Becoming a power producer is not a core business of local government. I would support a 3rd party leasing the site to build a commercially viable installation. "
72	Eyesore, not a lot of green space left in Forrestfield, i will soon have to go up to Kalamunda to see trees and enjoy life in the hills
73	Security of the site
74	Should include community battery storage as part of the infrastructure.
75	Vandalism and graffiti. The noisewalls along Roe Highway already attract a lot of graffiti. Solar panels will provide another blank canvas for these idiots to target. And will the reflecting sun become an issue for Roe Highway motorists.
76	Need to add battery
77	I would like to see the rest of the land along Dawson Ave & Hicks St properly fenced and cleaned up. I did email COK late 2019 expressing my concerns about the condition of the land (my email was prompted by the NSW fires) and received an email saying I would hear back in 10 business days. 3-4 days later the bush was set a light and I'm still waiting for my reply.
78	Battery storage as we already have enough power needs to be for peak and night hours too
79	Education for those who disagree with the proposal.
80	I'm unsure of the local wildlife situation there. How negatively will this impact that?
81	None

**Engage (Survey) | Responses**  
**Open Answered questions**

**What concerns or issues do you think need to be further considered?**

82	Security to avoid vandalism
83	Vandalism for the first 12 months
84	How it will look from the roads
85	Additional cost to locals
86	None
87	I cannot really see any. Maybe a strong glare or reflection into the drivers view of vehicles on Dawson Ave & Roe Hwy.
88	"NONE - JUST DO IT! Do be careful of reflection issues though."
89	Residents in the vicinity
90	"Getting broken by vandals. Will it interfere with aircraft approaching the airport. Will it interfere with cars on Roe H/Way."
91	Would people who use Pioneer Park for exercise etc still be able to use parts of it?
92	I use the park to also access the bike path to Roe Highway.
93	Costing/Safety/Hazard/Maintenance
94	Security for Solar Panels to avoid vandalism ensure that the solar farm is not subject to bush fires.
95	NOMG
96	Pioneer Park has huge potential for Walk Trail, BBQ Area, Exercise Park, make a legacy, not a mistake.
97	Why not Wind power also on the same site
98	Security of the solar farm; management of The farm; and ability to provide an alternative site for current activities
99	Is there any direct benefit to the community in terms of Energy Charges? How does this equate to the benefits offered by Synergy/Western Power Power Banks?
100	"- local community usage and removing a recreational area. - CoK seeking feedback from residents across the Shire rather than residents local to Pioneer Park, removal of this area does not impact them."

**Engage (Survey) | Responses**  
**Open Answered questions**

**Any further comments, questions, or suggestions?**

1	None
2	Would desperately love to see re-greening and regeneration of native bush land at the old speedway site at the opposite end of pioneer park. It is supposed to be forever bushland but other than a little around the edges there isnt much there
3	Great idea and location
4	Large solar installations have many benefits over smaller projects - chiefly they are easier to manage. The Shire of Kalamunda can future proof our section of the grid with large scale installations such as this.
5	why the stupid questions just put the solar farm there already.
6	Just do it!
7	Just do it.
8	I think it's a great future focussed idea.
9	I think its a great idea and should commence without further delay.
10	The reason power charges continue to rise is because of the need to maintain stand by power due to the significant number of solar panels supplying the grid and less people paying for it. Please leave power generation to the State government and focus on legal govt issues.
11	Include signage providing public information about the benefits the solar farm creates.
12	Love this idea COK!
13	Just do it. While you are at it, add an electric vehicle reenergising station or four around the City of Kalamunda.
14	Leaks get on with it - the sooner the better.
15	"You should also consider and education aspect as it is close to the primary school." "
16	Don't do it
17	Yes, keep as much open space as possible, it is why people choose to live in Forrestfield. This is the second chunk of land we are loosing. Do something with the land then it won't be unused land and earmarked for development.
18	I have formerly lived in Forrestfield several times, I don't know if this makes a difference?;
19	Kalamunda should be proactive in more green energy initiatives - well done!
20	please make renewable energy a priority in Kalamunda. Lets be leaders in WA!
21	Do it.

**Engage (Survey) | Responses**  
**Open Answered questions**

**Any further comments, questions, or suggestions?**

22	Please grow a boundary nature strip to this zone. Layers of trees, bushes, grasses and wildflowers to support native flora and fauna and make it attractive to the eye so it does not devalue local properties along with providing maintenance.
23	The area needs to be surrounded by trees and a very secure fence to keep the morons out.
24	Would be nice if it could be a smart site where residents and schools can go to learn about solar and renewable energy ie a educational hub and maybe other renewable technologies. Maybe a tie in with scitech.
25	At some point power saving batteries should be introduced. Which would save us more finds and be more self sustainable.
26	All Kalamunda parks should have a solar farm facility to produce electricity.
27	No.
28	A great use for a dying rubbish dump site
29	Stupid Idea
30	Encourage residents to get outside I have grandchildren and there is not a lot of play parks nearby
31	Yes consider the aesthetics of Forrestfield for a change instead of leafy Kalamunda. I do not need updating as most people including myself believe this is a good idea. As proved in the last consultation. But I believe Forrestfield is being dumped on again. And the decision already made.
32	No
33	"Is there room on the western side of Roe? Assumption is industry have purchased? "
34	Why is pioneer Park not sign posted as a former landfill site? It would stop people wandering through and potentially contacting contaminated water.
35	"a. Negative effects to people who suffer from electromagnetic hypersensitivity. Appliances powered by solar energy can also affect those who suffer from the condition. b. Solar batteries can also be harmful if they are not disposed properly. c. Solar panels can occupy a large chunk of land and may even be some kind of abstraction in the area. Risk to inbound/outbound aircraft may also pose a risk. "
36	"A clarification of precisely the site would be useful, currently the site indicated in the image is described in most maps as Dawson Park, Pioneer park being further SW & adjoining Hicks St. Either site might be suitable but personally the solar farm on Pioneer Park & remediation of Dawson Park to proper green open space would be a nicer option."
37	No
38	Do not agree with location, the location opposite a primary school & lose of dog exercise area which is used regularly.
39	no



**Engage (Survey) | Responses**  
**Open Answered questions**

**Any further comments, questions, or suggestions?**

40	There is no evidence that increasing CO2 levels have any negative impact on the environment. If you don't believe me, Google "Cyclone Frequency in Australia BOM" and see whether the graph has an obvious trend. You can do the same with any extreme weather event you like, and you will arrive at the same conclusion.
41	I think this is a great idea.
42	"Please get expressions of interest and quotes from a choice of industrial providers. More than 2 or 3. Also, use a "professional " to assess the specifications of submissions. Carnegie Clean Energy, Solar Gain, etc, The inverters are the key piece of equipment and must be high quality. Do not be conned into battery use yet. Affordable batteries are a decade or more away. "
43	Quite innovative.
44	I commend council looking to minimise power OPEX, but there may be better solutions than owning a capital intensive PV station. I suggest looking into micro grid arrangements to maximise value from existing home based PV systems that will face increasing curtailment at peak generation times of the day. I'd be pleased to be able to sell my excess power to the council rather than donating it to the grid for 3 cents a kWhr.
45	Really expensive way to produce electricity due to high cost production of panels and storage system, is the rate payer funding this scheme ?
46	Better to be something done than it being left
47	Good job :)
48	I think a solar farm will cement Kalamunda as a leading environmental region that the community will be proud of. But only if the benefits are clear for everyone to see. For example solar powered LED displays could be erected near Roe Highway and Dawson Avenue to show passing motorists how much power is being generated on the site (Today this farm has generated enough clean energy to power ??? homes) and other environmental messages.
49	Add a mid sized battery on this land and allow local residents to draw power from it after daylight hours .
50	Not at present
51	Would private companies invest into it too?
52	Maybe a local community battery program for the solar farm and existing local residents with solar to use at night.
53	What about a wind farm?
54	Na
55	Fully support such a project
56	Battery storage in future

**Engage (Survey) | Responses**  
**Open Answered questions**

**Any further comments, questions, or suggestions?**

57	"What will the cost be to develop and up & running. How many years before one will get a return cost for maintaining per annum."
58	I'd like to have a pathway through tot he other side in order to access the bike path. ie between the proposed solar farm & the old rugby league oval.
59	"*Property fenced so won't be an eyesore/Safety reason * Can be an educational place for all to go to learn (schools)"
60	If you are going to send out future information on this proposal, please print in text in DARK print as the other page printing was almost illegible.
61	NO
62	There is plenty of room for expansion at this site
63	Have CoK considered developing this space into a nicer green space for local residents? Improving/ defining walking trails, removing burnt out cars, etc. Surely there are more suitable areas for solar farms in this expansive country.



## Submissions

Text has been included without edits as provided.

---

### ***Submission 1:***

The idea is great and has 150% merit. I support this proposal and initiative of the Shire.

I also propose that the 'Future Energy Park' be double storey, i.e. Wind Turbines above photovoltaic solar panels so as to maximise energy generation potentials. The wind run-offs from the Darling Escarpment are very well known and documented by Perth Airport and Airlines alike. Huge potential from wind farm generation awaits capturing.

Indeed, a great revenue source to benefit the Community and fund ongoing projects such as sheltered bus stops for the aged; footpaths to all streets; a tidy town appearance to Visitors.

Thank you for the opportunity to comment.



[End]

## Example of Communications

### Communications included:

- » Community Surveys
- » Social Media Awareness Campaign
- » Website: Linking to contributing nodes
- » Media Release
- » Newspaper advertisements
- » Posters/fliers and eNewsletters
- » Letters to community members
- » FAQs
- » Face-to-Face
- » Promotion at the City's Environmental Showcase

Content was posted across the City's buildings and shared with Stakeholders, such as local schools for placement in their newsletters.

# WARNING

This site is a former landfill site  
For more information call 9257 9999 or go to  
[www.kalamunda.wa.gov.au](http://www.kalamunda.wa.gov.au)

## ENTER AT YOUR OWN RISK



CLOSES 5pm 9 April 2021



### Pioneer Park Proposed Solar Farm Development

In 2019 the City conducted a survey to gather the community's opinions on and attitudes towards environmental sustainability. 70% of our community members responded positively in answer to:

*'Do you think a solar farm is a concept the City of Kalamunda should explore further?'*

A pre-feasibility investigation into developing a solar farm within the City of Kalamunda quickly concluded the most viable location for a solar farm on land owned or controlled by the City (avoiding land procurement costs) was Pioneer Park in Forrestfield. The aim of this project is to reduce the City's carbon footprint for its owned buildings and street lighting as well as potentially developing a future revenue source.

So, a solar farm at Pioneer Park? We want to know what you think? All information relating to this project can be found at:

[www.engage.kalamunda.wa.gov.au/pioneer-park](http://www.engage.kalamunda.wa.gov.au/pioneer-park)

Alternatively via phone (08) 9257 9999  
or email ([enquiries@kalamunda.wa.gov.au](mailto:enquiries@kalamunda.wa.gov.au))



[kalamunda.wa.gov.au](http://kalamunda.wa.gov.au)



### Pioneer Park Proposed Solar Farm Development

The City is proposing to develop a solar farm at Pioneer Park, Forrestfield. This site is deemed contaminated: unsuitable for residential or recreational use, or for any other activities that involve disturbance of the soil or use of the ground water.

**We want to know how you feel regarding the City's Clean and Green Initiative of a solar farm development.**

In 2019, a pre-feasibility investigation into developing a solar farm within the City of Kalamunda quickly concluded the most viable location for a solar farm on land owned or controlled by the City (avoiding land procurement costs) was Pioneer Park in Forrestfield. The aim of developing a solar farm within the City of Kalamunda is to reduce the City's carbon footprint for its owned buildings and street lighting as well as potentially developing a future revenue source.

All information for this consultation can be found at:

[www.engage.kalamunda.wa.gov.au/pioneer-park](http://www.engage.kalamunda.wa.gov.au/pioneer-park)

CLOSES 5pm 9 April 2021



[kalamunda.wa.gov.au](http://kalamunda.wa.gov.au)

**THE SUSTAINABLE USE OF NATURAL RESOURCES IN AUSTRALIA HAS REGRESSED OVER THE LAST DECADE**

14

TONNES OF CO2 PER YEAR  
THE OUTPUT OF THE AVERAGE AUSTRALIAN HOUSEHOLD

90%

OF THE PLASTICS AND METALS IN YOUR MOBILE PHONE CAN BE RECYCLED INTO NEW PRODUCTS. RECYCLE WITH MOBILE MASTER AND CLEAN UP AUSTRALIA.

1,800 AUSTRALIAN ANIMALS ARE AT RISK OF EXTINCTION  
2.6M AUSTRALIANS USE THE SUN TO POWER THEIR HOMES  
71% OF AUSTRALIANS SUPPORT THE RET (Renewable Energy Target)  
40% OF ALL PLASTIC PRODUCED IS SINGLE-USE PACKAGING

In Australia, deaths from local air pollution are on the rise

882 in 2018 vs 1,423 in 2016

tell us your thoughts.

WWW.ENGAGE.KALAMUNDA.WA.GOV.AU



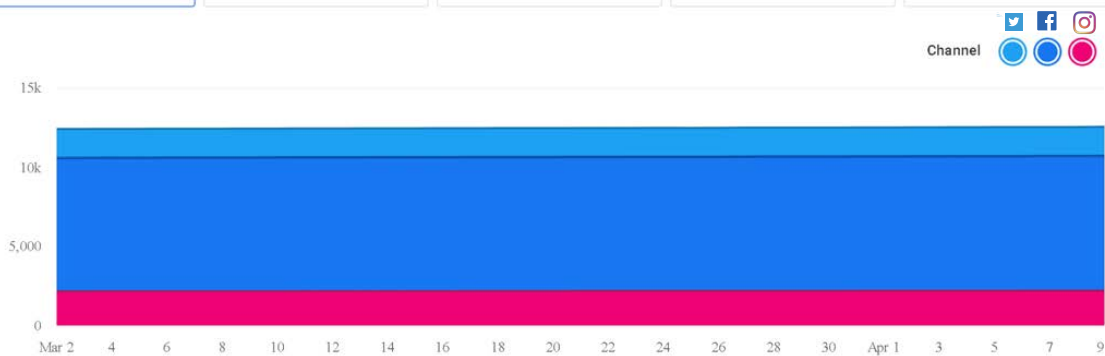
# Social Media | Campaign post insights



An integrated social media campaign was run across the City's Facebook, Twitter and Instagram accounts, with Facebook receiving the largest proportion of engagement. The campaign achieved 27,485 Post Impressions.








Total Followers	Impressions	Engagements	Comments	Avg. Engagement Rate
12,582	27,485	5,144	59	10.42%



# Social Media | Top Performing Posts



## Top social media posts:

Campaign post insights				
Filter by text			Sort by	Order
Filter posts by keywords or #hashtags			Impressions	
	<b>March 2, 2021 07:58pm</b> 🗣️ Everyone has an opinion and we want yours! Tell us how you feel about a Solar Farm at Pioneer Park, Forrestfield – a former land fill site. What do you think 🗣️ <a href="https://engage.kalamunda.wa.gov.au/pioneer-park">https://engage.kalamunda.wa.gov.au/pioneer-park</a> Consultation closes 5pm, Friday 9 April 2021.	City of Kalamunda	Impressions	Engagements
			12,725	3,031
			Comments	Eng. Rate
			27	23.82%
	<b>April 3, 2021 07:58pm</b> ⚡️🌞 The City is proposing to develop a solar farm at Pioneer Park. This land is deemed contaminated and not suitable for recreational or residential use. To further the City's commitment to a 🌿 CLEAN AND GREEN 🌱 future, we would like to know how you feel about this sustainability initiative 🗣️📝 Have your say today.	City of Kalamunda	Impressions	Engagements
			6,121	661
			Comments	Eng. Rate
			6	10.80%
	<b>March 4, 2021 07:59pm</b> 🌿 KALAMUNDA CLEAN AND GREEN 🌱 As a part of The Kalamunda Clean and Green Local Environment Strategy 2019 – 2029 the City is exploring the possibility of developing a solar farm ⚡️🌞 at Pioneer Park. This land is deemed contaminated and not suitable for recreational or residential use. It has also been identified as the most	City of Kalamunda	Impressions	Engagements
			2,095	376
			Comments	Eng. Rate
			4	17.95%
	<b>March 7, 2021 08:01pm</b> You spoke 🗣️ we listened 📊. In 2019 the City conducted a survey to gather the community's opinions on and attitudes towards environmental sustainability. 70% of our community members responded positively in answer to: 'Do you think a solar farm is a concept the City of Kalamunda should explore further?' So, a solar farm at Pioneer	City of Kalamunda	Impressions	Engagements
			1,815	888
			Comments	Eng. Rate
			11	48.93%
	<b>March 24, 2021 07:59pm</b> ⚡️🌞 A solar farm in Forrestfield The City is currently investigating the ongoing management and remediation of the Pioneer Park contaminated site. An important part of this is the discussion and planning around its future use. We want to know what you think about using this space to progress the City's Clean and Green initiative by	City of Kalamunda	Impressions	Engagements
			1,328	103
			Comments	Eng. Rate
			2	7.76%

Show 5 10 25 50 All