

Attachment 4 to Item 14.1.2.

City of Mitcham - Community Renewable Energy Program

Date of meeting: 26 November 2024

Location: Council Chambers

Time: 6:30pm

City of Mitcham Response to Climate Change

Information for Council Members



4 Expected Takeaways

- 1. There has been a strategy and a plan for 'acceleration'
- 2. We've been delivering and innovating
- 3. The next 3 big projects will deliver emission reductions, operating savings for Council and lower cost of living for the community.
- 4. Investment required, but significant ROI

Purpose

To inform Council Members on:

- 1. The City of Mitcham climate change program before Council's declaration
- 2. To explain the outcomes of recent energy projects
- 3. To summarise future energy projects to inform the debate on 14 March 2023.

What were we already doing?

- 1. Greening
- 2. Water and Flooding
- 3. Building and Community Capacity
- 4. Governance and Partnerships
- 5. Bushfire Prevention





Greening

- 1. Hot Spots
- 2. Accelerated Tree Planting
- 3. Tree Canopy Analysis
- 4. Soil Temperature Probes
- 5. Tree Trails



Water and Flooding

- 1. Rain Gardens
- 2. Permeable Paving/Carparks
- 3. Water Inlets
- 4. Leaky Wells
- 5. Flood Mitigation



Bushfire Prevention

- 1. Brush Cutting
- 2. Fuel Clearance
- 3. Weed Control
- 4. Verge Maintenance





Governance and Partnerships

- 1. Resilient South
- 2. Climate Change Risk Assessment
- 3. Council Ready Emergency Management (SALGA)
- 4. Council Ready Communities (Red Cross)



Building Community Capacity

- 1. Climate Ready Communities
- 2. Living Smart
- 3. Green Living
- 4. Resilient South Community Engagement

The Emergency Declaration

- SMP Goal 2: 'Sustainable City'
- Council declared a climate emergency
- Council opted into the 'Cities' Power Partnership'
- Innovation KPI
- 'Accelerate'

Cities Power Partnership Pledges

- 1. Purchase 100% of Council's energy from renewable sources by 2030
- 2. Change all streetlights to energy efficient technology by 2030
- 3. Fund a transition to Council's fleet being fully renewables powered by 2030
- 4. Set targets and fund programs to reduce waste to landfill by 75%
- 5. Adopt sustainable procurement and policies

Additional Committments

- Promote and accelerate a community renewable energy transition
- 2. Continue building community capacity towards net zero emissions and climate resilience
- 3. Transition toward renewables powered transportation
- 4. Assist residents in behaviour change education
- 5. Assist residents in designing new low energy buildings

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Energy Projects: Delivered

- Solar panels on Council owned buildings
- LED street light transition
- Council fleet EV transition (stage 1)
- Community Renewables Program (stage 1)

Community Renewables Program Explained



Community Renewables Program Explained

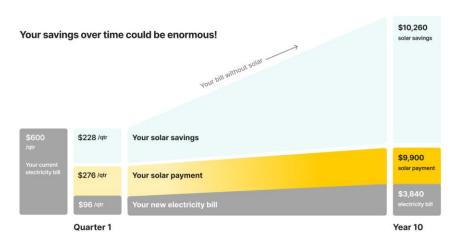
- We ran a tender in the open market seeking a partner to reduce cost of living, reduce emissions and build climate resilience
- We selected Shinehub having completed detailed due diligence and legal advice
- We "Whitelabelled", we did not "Partner", offering private industry our community trust and outreach.
- At no cost to Council
- Shinehub launched a bulk buy EOI process, followed by a non-binding pre-order process and a series of community information sessions.
- We learnt some lessons in the process

Sample residential case study

Your estimated solar savings^:

Check out how much you'll save in the next 10 years!





- An average household
- Before \$600 per quarter
- After \$372 per quarter (incl repayments)
- Opted for a 10yr PPA repayment plan
- Saves money from day 1
- Savings grow year on year

Happy Customer Feedback



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Proposed Program

- 1. Community Renewables Stage 2
- 2. Electricity Contract Review
- 3. Utilities Cost Management Redesign

Proposed total once off cost of \$384,000

Proposed Project 1

Community Renewables

- Additional bulk buys including product offering for over 65's and renters (including Council tenants and non-Council buildings)
- City of Mitcham VPP
 - Community batteries
 - Solar Gardens
 - Retail "Mitcham Energy Plan"
 - Council large site bi-directional EV Chargers

Proposed Project 2

Council Electricity Contract

- Contract review includes streetlights, buildings and open space.
- Cost avoidance investigation
 - Renewable Energy Farm PPA
 - Council Building Solar & Battery Systems
 - Supports Projects 1 & 3

Proposed Project 3

Utilities Cost Management Review

- Review usage
- Review billing processes
- Audit meters and usage
- Leverage ICT systems
- Savings possible

4 Key Takeaways

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- 2. We've been delivering and innovating
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Next Steps

- Council decision report 14 March 2023
- \$384k requested once-off albeit across two financial years
- Report already up for discussion
- Questions now and before the meeting out of session

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