

# **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 Commitments

1. 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



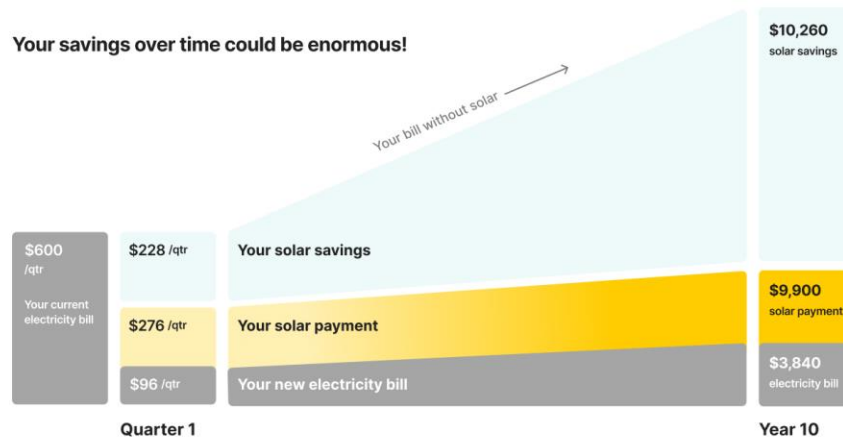
# Sample residential case study

## Your estimated solar savings^:

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

	 Energy costs on the grid	 Energy costs with ShineHub	 Your solar savings
<b>Quarterly totals:</b>	\$600 / quarter	<b>\$372</b> / quarter \$276 Solar payment \$96 New electricity bill	<b>\$228</b> / quarter
<b>10 year totals:</b>	\$24,000 / 10 years	<b>\$13,740</b> / 10 years	<b>\$10,260</b> / 10 years

## Your savings over time could be enormous!



- 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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# 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

