



Minutes City of Tempe Sustainability Commission Retreat March 25, 2019

Minutes of the Tempe Sustainability Commission retreat meeting held on Monday, March 25, 2019, 4:00 p.m., at Hatton Hall, 34 E. 7th Street, Tempe, Arizona.

(MEMBERS) Present:

Kendon Jung (Chair)
Ryan Mores (Vice Chair)
Arnim Wiek
Stephanie Milam-Edwards

Serita Sulzman
Barbie Burke
Steven Russell
Gretchen Reinhardt

(MEMBERS) Absent:

Sukki Jahnke
John Kane
Reyna Olvey

City Staff Present:

Braden Kay, Sustainability Director
Marilyn DeRosa, Deputy Public Works Director - Engineering
Grace DelMonte Kelly, Energy Management Coordinator
Robert Yabes, Principal Planner

Guests Present:

Lauren Kuby, Councilmember
Jennifer Adams, Council member
Corey Woods
Vincent Herre, ASU
Mackenzie Acosta, ASU

Chair Jung called the meeting to order at 4:10 p.m.

Agenda Item 1 – Public Appearance

There were none.

Agenda Item 2 – Sustainability Awards

Chair Jung stated there were two nominations for the Sustainability Awards for a Business. The Commission voted by ballot to select the business that would received the sustainability award.

Agenda Item 3 – Overview /Introduction

Chair Jung & Vice Chair Mores gave a re-cap of the Climate Action Plan public open house and an overview of the retreat activities the commission would participate in over the next few hours.

Agenda Item 4– Introduction of the Facilitator

Sustainability Director Braden Kay introduced Laura Royal, facilitator of the workshop.

Agenda Item 5 - Climate Action Plan Focus Areas

The commissioners broke out into three groups to focus on one area: (1) extreme heat, (2) energy, and (3) transportation.

Agenda Item 6 – Workgroup Discussion

The commissioners continued to work on the focus areas: (1) extreme heat, (2) energy, and (3) transportation.

Agenda Item 7 – Workgroup Report-out

The commissioners presented their actions and their implementation plan for three Climate Action Plan actions.

1. TRANSPORTATION: Steve Russell and Serita Sulzman

Create an Urban Core Transportation Demand Management program and a Transportation Demand Management Association.

Presentation

- Intro: Current state, pending problem
 - Problem:
 - Projected 2.3 mil pop growth - city staff (internal review)
- Start Transportation Management Association
 - Coalition of entities that support sustainable transportation in Tempe
 - Voluntary compliance "in spirit"
 - Opportunity to pilot some TDM plans
 - I.e. Scoop
 - Develop messaging around program/benefits
 - More involved, the better our potential discounts (increased buying power, negotiation power)
 - Start with Downtown Tempe Authority
 - Build support in local businesses
 - Engage with Council
- Ordinance - in Transit Overlay District plan
 - October 2019
 - Council keep an eye out
 - Pass --> move into program development
 - Ordinance
 - Attenuate demand for single occupancy vehicles
 - Anticipate future needs
 - Based on County ordinance

- Footprint: TOD area
 - What will do:
 - Hire staff
 - Create new policies aimed at:
 - Reduce SO vehicle use
 - Increase of sustainable transport
 - Enforce mandatory compliance on all new-builds in TOD area
 - Sell Voluntary compliance
 - Create TMA
 - Why?
 - Better transit use
 - Incentivize reduction of SO vehicles
- Transportation Demand Management program
 - Develop leadership and org structure
 - Grow engagement
 - Plan implementation
 - Plan program acquisition
 - Identify processes,
 - Ordinance compliance
 - Messaging/marketing of benefits
 - Increase voluntary compliance
 - Enforce mandatory compliance
- Tools
 - Stakeholder engagement
 - Build TMA
 - Council engagement
 - Partnerships
 - Businesses
 - DTA
- Close

Implementation plan:

Year 1	<p>Form TMA</p> <ul style="list-style-type: none"> • Stakeholders <ul style="list-style-type: none"> ○ DTA ○ Transport commission ○ ASU faculty: <ul style="list-style-type: none"> • David King • Deborah Salon • Local businesses • Build support w/ council • Scoop - app <p>TOD ordinance</p> <ul style="list-style-type: none"> • October 2019 • Be prepared to mobilize • Either: <ul style="list-style-type: none"> ○ Pass council and we move into development ○ Or, prepare to engage council, research, build community support
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	<p>TDM program</p> <ul style="list-style-type: none"> • Develop foundational leadership • Plan out program infrastructure
Year 2	<p>TDM program</p> <ul style="list-style-type: none"> • Build out program infrastructure • Grow engagement • Plan program implementation (timeline to add services) • Begin to grow programs <p>TOD ordinance</p> <ul style="list-style-type: none"> • Increase voluntary compliance • Mandatory enforcement
Year 3	<p>TDM program</p> <ul style="list-style-type: none"> • Develop programs • More sustainable transportation system • Significant decrease of carbon emissions • Better air quality

2. RESILIENCE TO EXTREME HEAT: Arnim Wiek & Ryan Mores

Adopt Green Building Code with support for increasing shade and use of cool materials and adopt Green Infrastructure and low-impact development standards.

Presentation:

Vision: Healthy, livable, 'cool' city!

Action: adoption of ordinances (Green Building Code + Green Infrastructure Standards)

TSC Strategy:

- City Council
 - 'The public'
 - Young adults (II)
 - Other residents (III)
 - 'Green' designers + planners + engineers (I)
 - Developers
- I: Business opportunities ← → city staff engagement
- II: Future & taking action (Greta) ← → city council meetings (groups & visuals)
- III: Quality of life ← → being vocal (letters, meetings), 'Roadshow'

Notes:

Page A: Resilience to Extreme Heat

- *Green code + standards*
 - *Green Building + Green Infrastructure*
- Future of our city
 - Next generation (students, youth, etc.)

- Present
 - Increase quality of life *now*
- Benefits
 - Urban cooling (cool materials)
 - Shade
 - Stormwater use for cooling
- Co-benefits
 - Biodiversity
 - Aesthetics
 - Increase green space
 - Reduce potable water use
 - Flood mitigation

*The following notes follow this formatting structure:

- 1) *Whom? (stakeholder) → [students, residents, facility managers, designers/planners/etc.]*
- 2) *What? (benefits + action)*
 - a) *Benefits*
 - b) *Action*
- 3) *How? (which 'tool' to use)*
 - 1) Stakeholder:
 - a) Designers & Planners & Architects & Engineers (are already on-board w/ being 'green')
 - 2) Benefits+Action:
 - a) Benefits: They already know the benefits!: Business opportunities (develops a market for them when City Council adopts relevant GB/GI code)
 - b) Action: Informal communication with city council members at professional events (city events, chamber of commerce, etc.)
 - 3) Tools:
 - a) City staff engagement
 - i) briefings/strategy building
 - ii) how/when to best engage
 - iii) The above professionals
- 1) Stakeholder:
 - a) Students/young adults
- 2) Benefits+Action:
 - a) Benefits: future/stewardship/long-term livability
 - b) Action: taking direct action w/ city leaders
- 3) Tools:
 - a) peers/social media
 - b) Students groups/teams
 - c) visuals/cartoons (short 1-2 min snippets)
 - d) Games/apps/technology
 - e) Pilot project w/ Student Sustainability Officer program at schools
 - f) + bringing students to City Council meetings (prepare/coach students)

- 1) Stakeholder:
 - a) Residents
- 2) Benefits+Action:
 - a) Benefits: quality of life/livability (enjoy outdoors - walking/biking/playing at park/outdoor family life)
 - b) Action: raise voices, write letters, attend City Council mtgs, etc. (utilize Neighborhood Associations, HOAs, community centers, etc.)
- 3) Tools:
 - a) "Tempe Today" flier
 - b) Online communication (Tempe PIO)
 - c) "Roadshow" (storytelling)
 - d) Mobile Solution Theater (persuasive visuals)

2. ENERGY: Kendon Jung & Stephanie Milam-Edwards

Create Resilient Energy hubs with renewable energy and energy storage.

Define the Action

- Policy Change and Pilots –
 - To complete this action, policies will need to be changed and pilots done as a roll out of the programs with the idea that all citizens will have a fully-functional location in times of crisis.
- Possible places of refuge:
 - Fire stations, schools, community centers, hospitals, police stations, libraries, faith-based centers
- Define places of refuge
 - Buildings that can generate 125% of needs daily from renewable energy resources
 - Can store energy generated for night time use or off grid
- Why this action is important:
 - Energy to continue to provide critical services that keep our communities safe and healthy in times of crisis.
 - Equity for all citizens of Tempe regardless of status.

What is needed:

SRP Policy

- Board (SRP) decides on rate plans, sets limits.
 - Work with board members Paul Hirt, Corey Hawkey, Nick Brown, Randy Miller, find out others on board. 75% in winter currently, rate structure over 75% higher.
- Pricing principles for communities of refuge
- Schools
 - PTO
 - Boards
 - Neighborhood Associations
- Hospitals
 - Maricopa County department of health -Epidemiology
 - Tempe St Luke's
 - Urgent Care

City Investment:

- Council Budget \$150K per year

- Pilot for areas (schools, hospitals)
- Budget to support phases
- Council to go to SRP for the pilot's purposes.
- House/Senate representative – advocacy
- Sandra Kennedy

Private Industry

- Valley companies for solar /successful solar storage

ASU

- Different technology
- Blue Planet

Code: review plans

- Electrical and fire hazards
- Ensure they meet safety standards

City Investments (look at Baltimore's resilient hubs)

Tentative Timeline:

Galvanize Support

- April 1, 2019 – December 31, 2019
- Legwork for involving stakeholders that can help to change the overall policy of SRP and guide future City policy.
- Identify...
 - *Private companies*
 - *Best Practices*
- Meet council → draft action → budgets assembled

Drafts / Pilot Creation

- January 1, 2020 – December 2020
- Draft policy
- Pilot- type created
- Locations selected
- Phase #1 Pilots Begin July 2020

Hooray – Implementation

- January 1, 2021 – completion
- Pilots reviewed and evaluated
- Phase #2 of program begins - July 2021
- Continue in phases until all citizens of Tempe have a "Place of Refuge" within walking distance of their home.

Agenda Item 8 – Wrap up and Plan of Actions

Commission will revisit these three actions and work on them in the coming months.

Agenda Item 9 – Adjourn

The meeting was adjourned at 8:00 pm.

Prepared by: Steve Russell, Ryan Mores, Stephanie Milam-Edwards & Grace DelMonte Kelly

Reviewed by: Braden Kay

