



City of Ann Arbor

301 E. Huron St.
Ann Arbor, MI 48104
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Action Minutes

Energy Commission

Tuesday, February 26, 2019

6:00 PM

Larcom City Hall, 301 E Huron St,
Second floor, City Council workroom

Special Meeting of the Energy Commission: 100% Clean & Renewable Municipal Energy

PREVIOUS MEETING RECAP

Attendees: Wayne Appleyard, John Mirsky, Larry Kerber

Since the last meeting, Staff MacDonald met with Fleet and Facilities Unit Manager, Water Treatment Manager, and uploaded various documents to Drive.

THINGS FOR CONSIDERATION

ENERGY EFFICIENCY

Since the last meeting, Staff MacDonald met with Fleet and Facilities Unit Manager regarding efficiency upgrades at Wheeler and City Hall.

Main Takeaways

1. Barriers associated with using the Energy Fund and the resulting burden on following budget periods and their caps.

Staff MacDonald reviewed sustainability auditing building sample checklist provided via Commissioner Hookham. The subcommittee created a streamlined list for the purposes of their audit.

ACTION: Staff MacDonald will look for original design drawings/specifications and retrofit/upgrade documentation of Wheeler and City Hall.

Wheeler

Wheeler Takeaways

1. Public Works and Fleet and Field split building 50/50 with renovations falling under a specific department

City Hall

City Hall Takeaways

1. All heating ducts are located in exterior-facing walls
2. Building is comprised of a mix of analog and digital HVAC systems
3. LED lighting should be phased-in on a floor-by-floor basis

ACTION: Commissioner Mirksy will provide contact experienced with HVAC control systems.

RENEWABLES

Solar Potential

Staff MacDonald uploaded summary cards of solar potential estimated via Helioscope to the Drive. Staff MacDonald and Chair Appleyard discussed Fire Station 6 solar potential and recommendations.

ACTION: Staff MacDonald and Committee Member Kerber will review and discuss solar potential and rate structure of properties.

ACTION: Upcoming meeting March 1 regarding Volunteer Steering Committee on Fire Station 6.

Staff MacDonald evaluated County land for solar potential.

ACTION: Staff MacDonald will discuss County land with Commissioner Clevey.

Battery Storage

Staff MacDonald, Committee Member Kerber, and Commissioner Hookham to evaluate battery sizing and viability.

Water Heaters

Staff MacDonald and Chair Appleyard will evaluate existing water heaters with Dave Konkak once able to do so.

Hydroelectric Dams

Staff MacDonald discussed potential hydroelectric dams with Water Treatment Manager.

ACTION: Chuck Hookham is preparing a report for committee to review.

Landfill Gas System

Staff MacDonald discussed potential offset of using the generated electricity at Wheeler, and is evaluating conduit and operation and maintenance of the system.

EV/Solar

Staff MacDonald informed the committee that Craig Toepfer is interested in participating in the committee relating to large-scale solar carports, and a pilot-phase all-in-one system with an opportunity for a public-facing project to generate data. Committee discussed previous challenges of charging users for electricity at carports.

ACTION: Commissioner Mirsky will share two reports with Committee Member

Kerber:

1. DDA evaluated adding solar to carports (available on Legistar)
2. Craig Toepfer's presentation to the Energy Commission on batteries and EV charging

ITEMS FOR NEXT AGENDA

1. Wheeler: Staff MacDonald scheduling a date to audit Wheeler, creating a final draft of audit material, and locating plans.
2. City Hall: Commissioner Mirksy sharing contact for HVAC control systems.
3. Solar Potential: Staff MacDonald scheduling meeting with Committee Member Kerber to discuss site solar potential, rate structures, and battery storage.
4. Fire Station 6: Staff MacDonald and Chair Appleyard will discuss energy efficiency at March 1 meeting.
5. Water Heaters: Staff MacDonald and Chair Appleyard organizing to discuss and conduct site evaluations of water heaters.
6. Hydroelectric Power: Commissioner Hookham preparing report. Commissioner Mirksy sharing contact for evaluating batteries.
7. Landfill Gas System: MacDonald preparing more holistic cost analysis.
8. EV Solar: Craig Toepfer joining next meeting to discuss large-scale solar carports.

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