

EAC March 2026 Minutes

March 25th 2026 - 7 PM - Free Library of Springfield Township

Attending

- Aaron Stemplewicz, Joy Bergey, Stephen Heverin, Tyler Focht, Alex Waldman, Pat DePaul, Brendan May, Adam Thorpe

Audience

- 6 attendees; Sherry Krider from Liberty Bird Alliance gave a brief presentation on the updates to their program and how the townships and residents can apply for a sign to post about their program.

Minutes

- Audience poll of attendees
- Sherry Krider - Liberty Bird Alliance - spoke about the program - <https://paauduboncouncil.org/bird-habitat-recognition-program/>
- Tracking Township electricity and natural gas usage using a new PECO tool and Energy Star Portfolio Manager – Tyler
- Tracking Township Water Usage – Joy/Tyler
 - Tyler - met with the township to get a lay of the land to wrangle the data tracking. Using the PECO tool and will proceed with getting the training on the portfolio manager. It tracks electricity, natural gas. Not sure if water can be tracked as well, to be investigated.
- Fleet analysis for H2 2025 – Tyler - presented the slides on the updated savings for our fleet vehicles.
- Updating the Gantt chart for 2026 – Ben - Skipped
- Review and Set Procedures for EAC Meetings – Aaron
- Discuss Time of Use Options for Gas Leaf Blowers – Aaron
 - This stemmed from a discussion with Commissioner Ratsavong about support for a reasonable limit on the use with consideration to commercial landscapers, giving broader times for electric leaf blowers.
 - Timer for this should be based on how Lower Merion implementation goes.
 - Next steps: Aaron is compiling of ideal structures for time of use ordinances. Sent to group for review and agree upon a recommendation to present to the board.
- DEP: Community Energy Development Program - Joy - New opportunity
 - Need to look at the survey and what to apply.

- Review resolution [1469](#) to see if it covers some of our needs on a statement by the township.
- Reminder to track changes on the document sent back around by Alex, please review and comment by April 1st.
- Rep Nelson is having his environmental conference, Friday April 24th 2026 - Aaron to follow-up
- Township updates - Commissioner May
 - Open space tax discussion; Carson Valley property is still up in the air from the trustees.
 - Solicitor working on a referendum for an open space tax. It is not a substantial tax, won't collect the money needed for Carson Valley purchase or other properties, but it allows other financing options by the township to preserve open space.
 - Martin's presentation on native landscapes was well received and the no mow may program.
 - Timing on the EAC vacancy. People need to put their name in.
 - EAC approved for advocating for Beth who applied for the open position.
- School Updates - Adam
 - Volunteered for to setup for the next meeting.
- Shade Tree update - 2025 tree city application for trees, now official for the township. Tagged 42 trees tagged for Arbor Day. Can submit for a tree picked by random lottery through a submission on the township website. Still planning on doing an April 11th for a tree tending session. Rain date of the 18th. Shade tree meeting is tomorrow.
- Motion to adjourn

Hybrid Police Fleet Savings Presentation

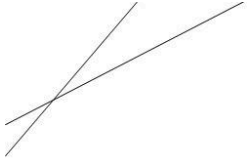
METHODOLOGY

Data

- H1 2025 fleet fuel records
 - gallons, mileage, and cost per transaction
- H2 2025 fleet fuel record
 - Improved data and formatting, monthly gas price
- Fleet vehicle info
 - which vehicles are hybrid/ICE

Calculation

- Used police vehicles only (admin were low miles and unable to tell when they switched to hybrid)
- Averaged MPG across all ICE and all hybrid vehicles to calculate a gas cost per mile for each powertrain
- Calculated total gas cost savings based on total mileage (e.g. if all hybrid miles were ICE miles)

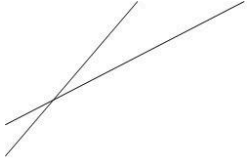


H1 2025 FUEL SAVINGS

- For H1 2025 the police fleet consisted of 7 hybrids and 7 ICE vehicles. 2 ICE vehicles were replaced with hybrids around June.
- At a gas cost/mile savings of \$0.22/mile, the hybrid fleet saved **\$12,530** in fuel costs alone over the first half of 2025 with an annual projected fuel savings of **\$25,060**
- Including maintenance, total annual savings of hybrid fleet increases to **\$29,650**
- At \$4000 price premium (2021 data), hybrid police vehicle payback period is 15 months

| METRIC | Hybrid | ICE | Total |
|------------------------------|------------|------------|-------------|
| Miles | 56905 | 16893 | 73798 |
| Gas used (gal) | 3966 | 2816 | 6782 |
| MPG | 14.3 | 6.0 | N/A |
| Gas cost | \$9,002.82 | \$6,392.32 | \$15,395.14 |
| Gas cost/mile | \$0.16 | \$0.38 | N/A |
| Avg annual maintenance cost* | \$543.75 | \$1,054 | N/A |

*Using 2021-24 data

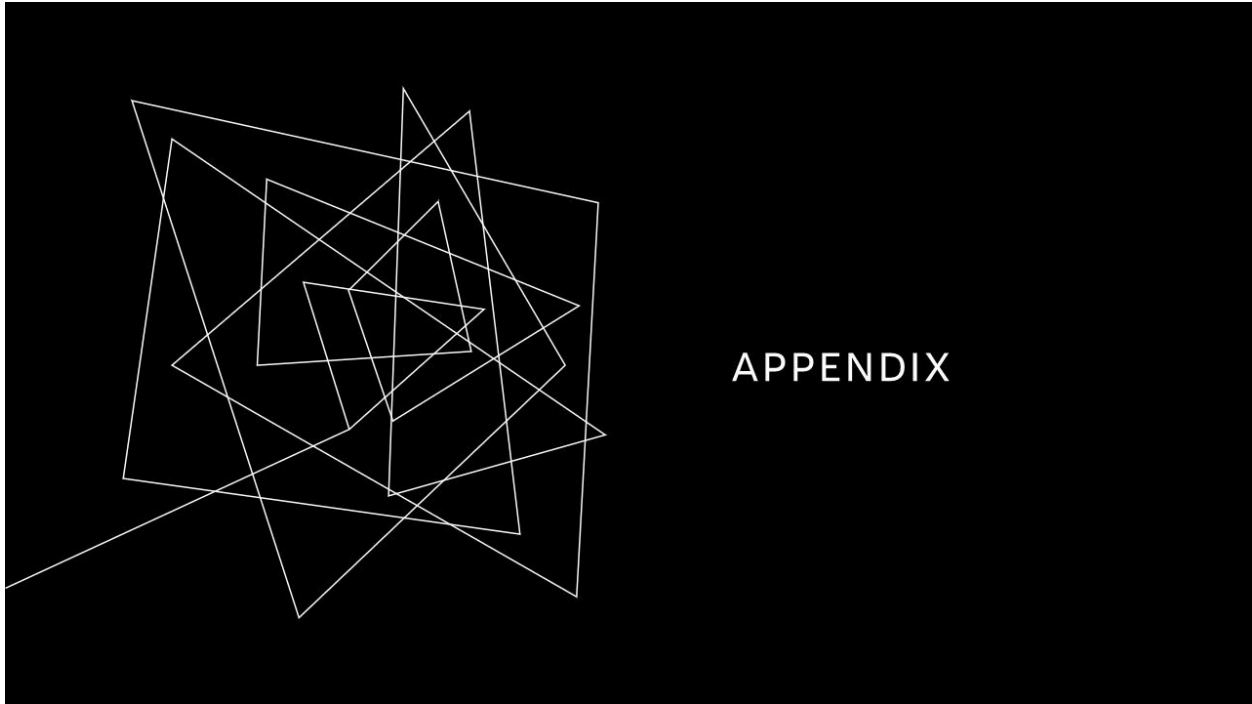


H2 2025 FUEL SAVINGS

- The police fleet currently consists of 9 hybrids and 5 ICE vehicles.
- At a gas cost/mile savings of \$0.21/mile, the hybrid fleet saved **\$13,787** in fuel costs alone over the 2nd half of 2025, for a 2025 total savings of **\$26,317** in fuel costs
- **\$3,294** in 2025 annual savings per hybrid
- At \$4000 price premium (2021 data), hybrid police vehicle payback period is 15 months

| METRIC | Hybrid | ICE | Total |
|------------------------------|-------------|------------|-------------|
| Miles | 65652 | 16464 | 82116 |
| Gas used (gal) | 5762 | 3017 | 8779 |
| MPG | 11.4 | 5.5 | N/A |
| Gas cost | \$12,551.65 | \$6,551.81 | \$19,103.46 |
| Gas cost/mile | \$0.19 | \$0.40 | N/A |
| Avg annual maintenance cost* | \$543.75 | \$1,054 | N/A |

*Using 2021-24 data



APPENDIX

H1 2025

| Vehicle | ID | Powertrain | 2025 miles | 2025 gas (gal) | 2025 MPG | 2025 gas cost | 2025 gas cost/mile |
|----------------------|------|-------------|------------|----------------|----------|---------------|--------------------|
| P-1 | 2001 | Hybrid | 5357 | 276.9 | 19.3 | \$628.56 | \$0.12 |
| P-2 | 2002 | ICE | 2905 | 226.9 | 12.8 | \$515.06 | \$0.18 |
| P-3 | 2003 | ICE | 12508 | 2385.8 | 5.2 | \$5,415.77 | \$0.43 |
| P-4 | 2004 | Hybrid | 8694 | 591.6 | 14.7 | \$1,342.93 | \$0.15 |
| P-5 | 2005 | Hybrid | 8347 | 590.4 | 14.1 | \$1,340.21 | \$0.16 |
| P-6 | 2006 | Hybrid | 3351 | 279 | 12.0 | \$633.33 | \$0.19 |
| P-7 | 2007 | ICE | 474 | 79.3 | 6.0 | \$180.01 | \$0.38 |
| P-8 | 2008 | ICE | 595 | 68.6 | 8.7 | \$155.72 | \$0.26 |
| P-9 | 2009 | ICE | 411 | 55.4 | 7.4 | \$125.76 | \$0.31 |
| P-10 | 2010 | Hybrid | 10700 | 705.9 | 15.2 | \$1,602.39 | \$0.15 |
| P-11 | 2011 | Hybrid | 12748 | 938.1 | 13.6 | \$2,129.49 | \$0.17 |
| P-12 | 2012 | Hybrid | 3302 | 252.5 | 13.1 | \$573.18 | \$0.17 |
| P-13 | 2013 | Hybrid | 3722 | 273.7 | 13.6 | \$621.30 | \$0.17 |
| P-14 | 2014 | Hybrid | 684 | 57.9 | 11.8 | \$131.43 | \$0.19 |
| Hybrid | | | 56905 | 3966 | 14.3 | \$9,002.82 | \$0.16 |
| ICE | | | 16893 | 2816 | 6.0 | \$6,392.32 | \$0.38 |
| 6 month fuel savings | | \$12,530.06 | | | | | |
| Annual Fuel savings | | \$25,060.12 | | | | | 7 |



H2 2025

| Vehicle ID | JUN cost | JUL cost | AUG cost | SEP cost | OCT cost | NOV cost | DEC cost | Total cost | Total Gallons | Total Miles | MPG | Powertrain |
|------------|----------|------------|----------|----------|----------|----------|----------|------------|---------------|-------------|------|------------|
| P-1 | \$94.78 | \$88.80 | \$82.26 | \$58.75 | \$74.94 | \$77.37 | \$74.34 | \$551.24 | 254.7 | 3609 | 14.2 | Hybrid |
| P-2 | \$64.67 | \$79.70 | \$50.17 | \$113.74 | \$78.58 | \$84.03 | \$78.54 | \$549.43 | 253.4 | 2515 | 9.9 | ICE |
| P-3 | \$839.37 | \$1,037.85 | \$889.76 | \$798.53 | \$769.01 | \$858.10 | \$571.62 | \$5,764.24 | 2655.1 | 13439 | 5.1 | ICE |
| P-4 | \$194.46 | \$232.21 | \$135.15 | \$227.72 | \$162.41 | \$154.93 | \$154.56 | \$1,261.43 | 579.2 | 5903 | 10.2 | Hybrid |
| P-5 | \$175.50 | \$475.30 | \$134.24 | \$245.11 | \$142.41 | \$122.01 | \$187.53 | \$1,482.10 | 676.7 | 6366 | 9.4 | Hybrid |
| P-6 | \$506.43 | \$390.50 | \$265.32 | \$466.01 | \$281.18 | \$166.04 | \$281.19 | \$2,356.68 | 1074 | 11170 | 10.4 | Hybrid |
| P-7 | \$0.00 | \$0.00 | \$0.00 | \$64.86 | \$0.00 | \$30.70 | \$0.00 | \$95.56 | 42.8 | 100 | 2.3 | ICE |
| P-8 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | 0 | 0 | 0.0 | ICE |
| P-9 | \$0.00 | \$81.92 | \$30.96 | \$0.00 | \$29.69 | \$0.00 | \$0.00 | \$142.57 | 65.3 | 410 | 6.3 | ICE |
| P-10 | \$302.83 | \$205.35 | \$169.05 | \$230.07 | \$321.18 | \$220.79 | \$246.54 | \$1,695.80 | 786.7 | 10813 | 13.7 | Hybrid |
| P-11 | \$447.12 | \$222.67 | \$472.11 | \$227.25 | \$227.86 | \$263.21 | \$245.28 | \$2,105.48 | 966.3 | 11398 | 11.8 | Hybrid |
| P-12 | \$134.02 | \$178.27 | \$211.99 | \$212.44 | \$183.62 | \$0.00 | \$27.09 | \$947.43 | 428.4 | 3975 | 9.3 | Hybrid |
| P-13 | \$103.03 | \$216.67 | \$118.20 | \$206.33 | \$192.51 | \$254.12 | \$265.86 | \$1,356.71 | 631.6 | 9559 | 15.1 | Hybrid |
| P-14 | \$129.12 | \$156.07 | \$116.39 | \$124.32 | \$128.07 | \$60.40 | \$80.43 | \$794.78 | 364.2 | 2859 | 7.9 | Hybrid |

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