Follow-up on Light Duty Fleet

Fleet Administration (Fleet) has completed or made progress on the implementation of the remaining four recommendations from our 2015 audit. This has resulted in the improved reliability of data from which to make fleet decisions. For example, Fleet worked with the Department of Metro Transit, King County International Airport, and the Solid Waste Division to install Automated Vehicle Location technology in 1,600 non-revenue vehicles in those agencies in 2018. Fleet plans to continue rolling out AVL technology to non-revenue vehicles in 2019 and 2020. This will help county agencies improve business practices and reduce underutilized vehicles by providing more reliable data about how county vehicles are used and when the vehicles are in need of repair or maintenance.

Fleet and the King County Sheriff's Office (KCSO) completed a pilot of an anti-idling technology in patrol vehicles. Fleet has also made progress toward updating the county vehicle acquisition policy and replacement model. Continuing to make progress on these recommendations will help county agencies improve business practices and reduce underutilized vehicles and fuel use.

Of the four remaining audit recommendations:

✓ **1 DONE**	••• **3 PROGRESS**	! **0 OPEN**
Fully implemented Auditor will no longer monitor.	**Partially implemented** Auditor will continue to monitor.	**Remain unresolved** Auditor will continue to monitor.

Please see below for details on the implementation status of these recommendations.

Recommendation 1   DONE ✔

To help better utilize vehicles and rightsize the fleet, the County should automate vehicle use data by doing the following:

a. Fleet Administration should assess the options for automating vehicle data, including its current technology pilots. The assessment should include lessons learned about implementing the two types of technology. The documentation of this assessment should be shared with the Transit, Solid Waste, and King County International Airport Divisions.

b. Based on this assessment, the County Executive should create and implement a plan to automate vehicle use data.

STATUS UPDATE: Fleet Administration and Information Technology (KCIT) have started implementing Automatic Vehicle Location technology for the County's non-revenue vehicles, which will help county agencies improve business practices and reduce underutilized vehicles by providing more reliable data about how county vehicles are used. Fleet worked with the Department of Metro Transit, King County International Airport, and the Solid Waste Division to install the technology in 1,600 non-revenue vehicles in the Transit, Airport, and Solid Waste Divisions in 2018.

IMPACT: Fleet reports that the initial rollout has been beneficial as it now has access to near real-time odometer readings and remote engine diagnostic alerts for the vehicles with AVL devices installed, allowing Fleet to detect issues earlier. Fleet plans to complete its rollout of AVL implementation by the end of 2020.

Recommendation 2   On August 4, 2017   DONE ✔

Recommendation 3   On August 4, 2017   DONE ✔

Recommendation 4   PROGRESS ⋯

The King County Sheriff's Office should develop and implement a plan to reduce idle time by its patrol vehicles. Initial analysis should include a cost-benefit analysis of anti-idling technology options.

STATUS UPDATE: Fleet Administration (Fleet) and the King County Sheriff's Office (KCSO) implemented a pilot program for anti-idling technology in patrol vehicle in 2017-2018. Idle management systems were installed on a select number of KCSO patrol vehicles to test the technology. KCSO and Fleet reported that the pilot did not show consistent reductions in idling due to reliability issues and human error in using the technology. KCSO reports that anti-idling may be available soon in its standard patrol vehicle, and this may be a more reliable technology than the after-market technology it piloted. KCSO also has an anti-idling policy in place, which could help

reduce idling and save fuel in lieu of having anti-idling technology, but has not yet developed and implemented a plan to execute that policy.

WHAT REMAINS: This recommendation will be considered complete when KCSO has made and implemented a plan to reduce idling. Implementing an effective anti-idling plan for patrol vehicles could save costs and emissions from thousands of gallons of fuel per year.

Recommendation 5	On August 4, 2017	DONE ✓

Recommendation 6	PROGRESS ⋯

The County Executive should update the Vehicle and Equipment Acquisition Policy to ensure that vehicles are purchased at the lowest effective life cycle cost, including a clearly articulated process for when life cycle cost analysis is required, such as for higher-risk purchases.

STATUS UPDATE: Fleet Administration (Fleet) is currently revisiting an initial draft of the policy that was developed in 2017 with language guiding vehicle acquisition, the use of life cycle cost analysis, and the revised vehicle utilization review process. A revised and renewed draft will be circulated among Fleet's stakeholders for review and feedback prior to acceptance and implementation by the County Executive. Updating this policy is a priority item on Fleet's 2019 work plan.

WHAT REMAINS: This recommendation will be considered complete when the policy has been accepted. Completing this recommendation will help ensure the effective use of life cycle cost analysis and improve the ability of agencies to reach county financial and environmental goals.

Recommendation 7	PROGRESS ⋯

Fleet Administration should complete its efforts to update and implement its vehicle replacement model.

STATUS UPDATE: Fleet planned to complete an evaluation of an alternative vehicle replacement model called Utilimarc and start implementing its model by February 2018 to inform 2019-2020 budget planning. However, Fleet Administration is not yet complete with this evaluation because it is still working with Utilimarc to ensure the model includes its desired specifications.

WHAT REMAINS: This recommendation will be considered done when the model has been implemented. Completing this recommendation will help ensure that vehicle replacements are chosen based on the most up-to-date cost and usage information.

Elise Garvey, Senior Management Auditor, conducted this review. If you have any questions or would like more information, please contact the King County Auditor's Office at KCAO@KingCounty.gov or 206-477-1033.