

State of New Hampshire
State Government Energy Committee
Monday, April 9, 2018

Staff Updates

State Energy Manager Updates – Don Perrin, State Energy Manager, DAS

- **2018 Annual State Energy Conference** – Advancing Energy Opportunities
 - Where: Edward Cross Training Complex, 722 Riverwood Drive, Pembroke, NH 03275
 - Date: May 11, 2018
 - Time: 8:00 AM to 4:00 PM
- **Building Performance Metrics** – Develop performance metrics for specific building categories that apply to all Agencies and Departments to ensure compliance with Goal 1 of the Executive Order 2016-3. Agencies and Departments will report their progress toward achieving those metrics in their FY18 energy conservation plans.
 - **Progress** – Using the Energy Portfolio Manager – U.S. Energy Use Intensity (EUI) by Property Type Median Metrics¹ as way to benchmark the State’s building performance. This initiative was started back in June 2017. The SEM Office is working with the Dept. of Admin. Serv. – Financial Data Management staff to include the metrics in Enterprise Energy Management System (EEMS). Currently, we are working on the development of updating our form entries, usage type selection for buildings and reporting in the EEMS. Our goal, at this time, is to implement the EUI metrics for FY20 Energy Conservation Plans.
- **Renewable Energy Credits (RECs)**— The SEM Office was tasked by the SGEC with registering the State’s Photovoltaic (PV) Arrays. Currently, all unregistered PV systems are being claimed by the energy supplier as part of their REC portfolio. The State would like to take credit for all PV systems that we own. In order to get credit, we must register the systems with New England Power Pool (NEPOOL) and the Public Utilities Commission (PUC).
 - **Progress** - the SEM Office is working with Revision Energy and PUC to register PV system on the Dept. of Motor Vehicles building. As we work through the process of registering a PV system, we have encountered some requirements that need to be addressed. Examples of those requirements are:
 - Do we have the right monitoring equipment on the PV Array?
 - Can the Dept. of Public Works incorporate the right equipment in their design standards for a PV Array?
 - Need to hire Independent Monitor before you can register a PV system.
 - Who bears the cost for hiring an Independent Monitor?
- **Electronic Energy Data** – Work with utilities and other energy suppliers to obtain up loadable electronic energy use and billing data.
 - **Progress** – Unitil was the first utility company that was able to provide the State with up loadable billing data. In June 2017, Unitil updated their internal accounting system. Since that upgrade, the State has not been able to get up loadable data from Unitil. The SEM Office is working with Unitil to get the functionality back. The goal is to be able to

¹ <https://portfoliomanager.energystar.gov/pdf/reference/US%20National%20Median%20Table.pdf>

test the new data with our existing data infrastructure and launch this program for July 1, 2018. Also, the SEM is currently working with Eversource to begin process and discussions of receiving up loadable data. Working with DAS-FDM and Eversource to develop a plan on how we should receive our up loadable data sets.

State Fleet Manager Updates – Tara Merrifield, State Fleet Administrator, DAS

- **Telematics** – Device installed in a vehicle to monitor utilization, vehicle health/diagnostics and driver behavior. In most cases, agencies can see a significant reduction in costs and emissions through this program.
 - **Progress** – The Bureau of Purchase and Property (BoPP) has released a Request for Information (RFI) regarding availability of telematics programs, data, devices, and associated costs. Fleet Management Services will review the RFI results and meet with agency stakeholders to discuss options and develop a plan moving forward.
- **Procurement** – Fleet Management Services is working with BoPP to revise the next procurement cycle contracts so that alternative fuel vehicles (AFV) will be bid at the same time as traditional internal combustion engine (ICE) vehicles. This should allow agencies to better compare costs of the vehicle choices.
 - **Progress** – BoPP has begun preparation for the integration of the two bid documents. Fleet Management Services is working on total cost of ownership (TCO) resources so we can include that in the “approved vehicle index” and agencies can determine the most cost effective option over the life of the vehicle, rather than limiting their analysis to the purchase price.
- **Fleet Information Management System (FIMS)** – Data tracking system utilized by agencies to manage their fleets.
 - Progress** – Development on Module 2 is underway. This module will contain the Acquisition and Surplus data. It will have considerably more analytics than the Utilization Module did. It will include TCO per vehicle; “repair/replace analysis”; optimal surplus sale methods; optimal replacement timelines based on subtype and the year, make, model. It will also include backfilling prior fiscal year data sets, back to FY2010, so the analytic tools will be complete.
- **Electric Vehicle Supply Equipment (EVSE)** – The installation of electric vehicle infrastructure at state facilities, where feasible. This is a component of EQ 2016-03.
 - Progress** – We have meet with multiple vendors and one agency is considering the feasibility of installation and testing a “smart charger” so that the state can put out an educated and clear request for proposal (RFP). We believe the data collected by one meter can help us determine what information we will require and allow us to clearly identify the needs of participating agencies. We have some questions to answer before we can implement statewide:
 - Who will be responsible for the EVSE program?
 - Is it the specific agencies or centralized?
 - Who will manage the pricing structure/policy?
 - Other questions to be identified as program is explored.