23Q4 MOBILITY & CLEAN TRANSPORTATION TASK FORCE SUMMARY

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OBSTACLE

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23Q4 Stakeholder Challenge
Mobility & Clean Transportation
December 14th | Verizon at the Hub

DERIVED OBSTACLE

An approved, equitable forecasting methodology that enables anticipatory planning for EV spot loads which is supported by comprehensive energy legislation.

Colette Lamontagne

Rep. Jeffrey Roy

nationalgrid

SOLUTION

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23Q4 Stakeholder Challenge
Mobility & Clean Transportation
December 14th | Verizon at the Hub

12-MONTH & 90-DAY GOAL

12-Month:
Stakeholder report regarding the need for an equitable MHDV forecasting methodology with success criteria submitted to DPU to support its Grid Modernization efforts.

90-Day:
Stakeholder roundtable connected to an industrial business zone located within an EJ community with a high prevalence of MHDV fleets to align on criteria for an utility EV forecasting methodology that would expedite decarbonization in a financially feasible and equitable manner.

Progress

- Language for Bill
- Draft Plan
- Fleet Data
- **Next steps**
- Support Chair Roy's Energy Bill
- Execute the plan

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NEXT STEPS

- Gather Fleet data
- Identify Fleet Cluster locations
- Select one for a convening
- Engage stakeholders
- Hold stakeholder meeting
- Build consensus around new process
- Write report

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TASKFORCE SCOPE AND APPROACH

Task Force Scope and Approach

	Develop Initial Process	Identify Representative Site	Convene Stakeholders	Define Categories	Define Load Calculation Approach	Define prioritization criteria	Refine Process and Gain Consensus

Activity	• Create a strawman of the process to identify and prioritize no regrets sites
	• See slide 5
		• Review initial study areas
		• Select by:
		  • # of fleets
		  • # of vehicles
		  • charging load
		  • EJCs
		  • grid infrastructure
		  • Other
			• Add interested fleets to task force
			• Select date/time
			• Select venue
			• Invite stakeholders
			• Develop agenda
			• Conduct workshop
				• Type of Vehicle
				• Operating Profile
				• Charging method
					• Identify variables (e.g., miles travelled/day, battery size, Managed charging opportunity
					• define assumptions for each archetype
						• Identify criteria (e.g., peak power, time to need, lead time required, DAC/EJC)
						• Determine weighting for each criteria
							• Refine initial process based on:
							  • Stakeholder input
							  • WG archetypes
							  • load calculation method
							  • criteria

Date	January	February	February - May	June/July	July/August	July/August	Sept-Nov
Outcome/ Deliverable	Initial Process (See slide 5)	Representative industrial site with multiple fleet depots	Summary of stakeholder input	5-10 representative fleet types with similar charging needs	Approach for calculating load curves and power requirements over time for each fleet category	List of criteria and weighting	Revised process