Operations Project Authorization Form

Date Prepared: November 30, 2020	Project Title: **2021 Fleet Vehicle & Tool Capital Program** (FVCP)
Company: Distribution Connecticut Distribution Eastern MA Distribution Western MA Distribution New Hampshire Eversource Service Company Gas CT(Gas) Gas MA (Gas) Transmission Connecticut Transmission Eastern MA Transmission Western MA Transmission New Hampshire Distribution Eastern MA Distribution Connecticut Distribution New Hampshire Distribution Western MA Distribution Connecticut Transmission Connecticut Distribution Eastern MA Transmission Eastern MA Distribution New Hampshire Transmission New Hampshire Distribution Western MA Eversource Service Company Gas CT(Gas) Gas MA (Gas)	Project ID Number: CTEDVH21 CT Electric Distribution Vehicle Purchases MAEDVH21 MA East Electric Distribution Vehicle Purchases MAWDVH21 MA West Electric Distribution Vehicle Purchases NHEDVH21 NH Electric Distribution Vehicle Purchases SVCOVH21 Service Co Vehicle Purchases CTGSVH21 CT Gas Vehicle Purchases MAGSVH21 MA East Gas Vehicle Purchases CTTRVH21 CT Transmission Vehicle Purchases MAETVH21 MA East Transmission Vehicle Purchases MAWTVH21 MA West Transmission Vehicle Purchases NHTRVH21 NH Transmission Vehicle Purchases MAETOOLS MA East Tool Purchases GECNCLP CT Tool Purchases NHTOOLS NH TOOL Purchases MAWTOOLS MA West Tool Purchases MBLEYE11 Mobileye CT-D Vehicle Safety Mechanism MBLEYE1T Mobileye CT-T Vehicle Safety Mechanism MBLEYE21 Mobileye MA-D Vehicle Safety Mechanism MBLEYE2T Mobileye MA-T Vehicle Safety Mechanism MBLEYE06 Mobileye NH-D Vehicle Safety Mechanism MBLEYE6T Mobileye NH-T Vehicle Safety Mechanism MBLEYE41 Mobileye MAW-D Vehicle Safety Mechanism MBLEYE61 Mobileye SvcCo Vehicle Safety Mechanism MBLEYE71 Mobileye CT Gas Vehicle Safety Mechanism MBLEYE2Y Mobileye MA Gas Vehicle Safety Mechanism
Organization: Distribution, Gas, Transmission	Class(es) of Plant: Material
Project Initiator: [redacted]	Project Category: Material
Project Owner/Manager: [redacted]	Project Type: *Annual Program*
Project Sponsor: [redacted]	Project Purpose: part of regulatory tracked program? No
Estimated in service date: 01/01/2021	If Transmission Project: PTF / Non-PTF / NA N/A
Supplement to Existing Authorization? No	Capital Investment Part of Original Operating Plan? Yes
Eng./Constr. Resources Budgeted? N/A	O&M Expenses Part of the Original Operating Plan? N/A

Project Authorization

Project authorization must be in accordance with the approval levels included in the Delegation of Authority Policy (DOA).

If Chief Executive Officer or Subsidiary Board approval is required, document the review by Enterprise Risk Management (ERM) and Financial Planning and Analysis (FP&A)

ERM: _____

FP&A: _____

Executive Summary

An authorization of $44,923,166 is requested to approve projects for the purchase of vehicles, mobileye and tools. The overall Fleet Vehicle Capital Program (FVCP) is designed to provide safe, reliable and cost effective vehicle operation. The FVCP is designed to ensure Eversource's vehicles are reliable and right sized.

- Vehicle age, condition, and applicability to vehicle's use are reviewed to determine replacement need.
- Potential vehicle purchase types are evaluated for cost and right size for work tasks.
- Current fleet make-up is reviewed to determine vehicles that can be repurposed prior to purchasing new vehicles.
- Standardized vehicles are purchased.

The Fleet Vehicle Capital Program strategically replaces vehicles to improve reliability and mitigate long term costs that would arise from vehicle breakdown and user down-time. Vehicle replacement, in conjunction with vehicle standardization, improves vehicle reliability, appearance, and lowers cost.

The FVCP is managed proactively with a standard approach across Operating Companies. Vehicles to be replaced are identified annually as a component to the program. Vehicle replacements are prioritized based on age, condition, and need across the fleet.

As New England's clean energy catalyst, Eversource will lead by example and minimize the environmental footprint of its vehicle fleet. JEMS (jobsite energy management system) is expanding the program to include 59 new JEMS units which consist of Material Handlers, Trouble Trucks and Aerial Squirt Booms, in addition will electrify 19 Hybrid Vans/Pickups in 2021. The proposed plan is to electrify 100% of Eversource's fleet of 55' and 41' material handling bucket trucks by 2030. This plan will primarily involve the purchase of new units and shifting of non-electrified models into MA and CT.

A new project in 2021 is Mobileye, a collision avoidance system, and has been purchased with new vehicles as a test in 2021. After review by Fleet and Safety the program will be expanded into selected areas in the remainder of the Fleet. The additional units will help prevent accidents and enhance the safe operation of our fleet.

Note: 2020 enabled Eversource to incorporate a storm fleet. Fifty vehicles were bought to be used during storms utilizing crews that could be flown in reducing the amount of response time. The reduced travel time allows the crews to fly in, have trucks issued and start repairs immediately.

Fleet Operations

2021 Capital Plan Vehicles/Mobileye & Tools

	Entity		2021 Vehicles	Project ID	2021 Mobileye	Project ID	2021 Tools	Project ID	2021 Total
Electric Distribution			**$34,645,741**		**$ 871,288**		**$ 450,000**		**$35,967,030**
	11	CT	$14,796,689	CTEDVH21	380,830	MBLEYE11	95,000	GECNCLP	15,272,519
	21	EMA	$ 9,372,717	MAEDVH21	231,965	MBLEYE21	295,000	MAETOOLS	9,899,683
	06	NH	$ 6,807,357	NHEDVH21	181,671	MBLEYE06	40,000	NHTOOLS	7,029,027
	41	WMA	$ 3,090,710	MAWDVH21	71,428	MBLEYE41	20,000	MAWTOOLS	3,182,137
	61	EESCo	$ 578,268	SVCOVH21	5,395	MBLEYE61	-		583,663
Gas Distribution			**$ 5,589,387**		**$ 51,844**		**$ -**		**5,641,230**
	71	CT	$ 3,183,098	CTGSVH21	21,538	MBLEYE71	-		3,204,635
	2Y	EMA	$ 2,406,289	MAGSVH21	30,306	MBLEYE2Y	-		2,436,595
Fleet Ops - Total			**$40,235,128**		**$ 923,132**		**$ 450,000**		**41,608,260**
Transmission			**$ 3,238,038**		**$ 76,868**		**$ -**		**3,314,906**
	1T	CT	$ 1,430,712	CTTRVH21	20,759	MBLEYE1T	-		1,451,471
	2T	EMA	$ 1,154,972	MAETVH21	48,815	MBLEYE2T	-		1,203,787
	6T	NH	$ 577,486	NHTRVH21	7,294	MBLEYE6T	-		584,780
	4T	WMA	$ 74,868	MAWTVH21	-	MBLEYE4T	-		74,868
TOTAL			**$43,473,166**		**$ 1,000,000**		**$ 450,000**		**$44,923,166**

Please note, only the projects in red font require COO approval:

Project Costs Summary

See APS3 and APS8 requirements and consult with Plant Accounting for capital/O&M determination. Use published loaders for benefits, materials, and invoices, maintained by the Director, Budget and Internal Reporting.

Note: Dollar values are in thousands

	Prior Authorized	2021	20__	20__+	Totals
Capital Additions - Direct	$ -	$ 44,699	$ -	$ -	$ 44,699
Less Customer Contribution	-	-	-	-	-
Removals net of Salvage ____%	-	-	-	-	-
Total - Direct Spending	$ -	$ 44,699	$ -	$ -	$ 44,699
Capital Additions - Indirect	-	224	-	-	224
Subtotal Request	$ -	$ 44,923	$ -	$ -	$ 44,923
AFUDC	-	-	-	-	-
Total Capital Request	$ -	$ 44,923	$ -	$ -	$ 44,923
O&M	-	-	-	-	-
Total Request	$ -	$ 44,923	$ -	$ -	$ 44,923

Financial Evaluation

Provide the following financial information (attach additional detail if summarized items are significant or additional information is needed). Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor				
Overtime Labor				
Outside Services				
Materials	$44,699			$44,699
Other, including contingency amounts (describe)				
Total	$44,699			$44,699

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	224			224
Capitalized interest or AFUDC, if any				
Total	224			224

Total Capital Costs				
Less Total Customer Contribution				
Total Capital Project Costs	$44,923			$44,923
Total O&M Project Costs				

Note: Explain unique payment provisions, if applicable

If this is a new business project, is a customer contribution required? If yes, please note the contribution amount.

In addition, for all electric and gas growth / new business projects, please attach the CIAC calculation

Provide other financial documentation as warranted by management and / or regulatory precedent. When performing financial analysis, use appropriate discount rate by company (can be provided by Budgeting and Internal Reporting or Financial Planning and Analysis).