PMC-ND

(1.08.09.13)

# U.S. DEPARTMENT OF ENERGY OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY NEPA DETERMINATION

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RECIPIENT: Western Michigan	Western Michigan University		STATE: MI			
PROJECT TITLE : Develop	ment and Validation of Infrastructure-Enabled High-Quality	Perception Data to Achieve Energy Efficient Autonomous	Vehicle Operation through Computation Reductions	s and Offloading		
	ity Announcement Number FOA-0002420	Procurement Instrument Number EE0009657	NEPA Control Number	CID Number		
Based on my review of the information conce	erning the proposed action, as NEPA Compliance Officer (au	thorized under DOE Policy 451.1), I have made the following	determination:			
CX, EA, EIS APPENDIX AND NUMBER: Description:						
A9 Information gathering, analysis, and dissemination	(including, but not limited to, conceptual design, feasibility	ure surveys, inventories, site visits, and audits), data analys studies, and analytical energy supply and demand studies nformational programs), but not including site characterizatio	s), and information dissemination (including, but not	t limited to, document		
B3.6 Small-scale research and development, laboratory operations, and pilot projects	chemical standards and sample analysis); and small-scall construction or modification would be within or contiguous	onstruction, modification, operation, and decommissioning of facilities for smallscale research and development projects; conventional laboratory operations (such as preparation of standards and sample analysis); and small-scale plot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that ion or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in opy are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial and.				
B5.1 Actions to conserve energy or water	the indoor or outdoor concentrations of potentially hamfut manufacturers, and designers), organizations (such as un insulation and replacing windows and doors); programmer flow plumbing fixtures (such as faucets, toilets, and show generator efficiency and appliance efficiency ratings; effi generally less than 10 megawatt equivalent); transportation recognition; development of energy-efficient manufacturin plot projects. Covered actions include building renovation residential, agricultural, academic, institutional, or industri in B5. (b) of this appendix. (b) Covered actions include r would not: (1) have the potential to cause a significant of disturbances); (2) involve significant unresolved conflicts of	tential energy or water conservation, and promote energy of al substances. These actions may involve financial and tech litilities), and governments (such as state, local, and tribal). ( d lowering of thermostat settings; placement of timers on I enerads), heating, ventilation, and air conditioning systems ciency improvements for vehicles and transportation (such n management systems (such as traffic signal control sys ng, industrial, or building practices; and small-scale energy s or new structures, provided that they occur in a previous al sectors. Covered actions do not include rulemakings, st ulemakings that establish energy conservation standards fr ange in manufacturing infrastructure (such as construction concerning alternative uses of available resources (such as sks to human health and the environment (such as RCRA h	nical assistance to individuals (such as builders, or Covered actions include, but are not limited to weat lot water heaters; installation or replacement of ene s, and appliances; installation or drip-irrigation syste terms, car navigation, speed cameras, and automati efficiency and conservation research and developn y disturbed or developed area. Covered actions co andard-settings, or proposed DOE legislation, excep or consumer products and industrial equipment, pro of new manufacturing plants with considerable area or limited raw materials; (3) have the potential	where, consultants, herization (such as argy efficient lighting, low- ems; improvements in less and batteries, ic plate number ment and small-scale ould involve commercial, pt for those actions listed voided that the actions sociated ground a to result in a significant		
Rationale for determination:						

#### NEPA PROVISION

DOE has made a final NEPA determination.

#### FOR CATEGORICAL EXCLUSION DETERMINATIONS

The proposed action (or the part of the proposal defined in the Rationale above) fits within a class of actions that is listed in Appendix A or B to 10CFR Part 1021, Subpart D. To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (2) require siting and construction or major expansion of wast sorage, disposal, recovery, or treatment facilities (including inchentarios), but the proposal may induce ategorically secluded wast sorage, disposal, recovery, or treatment facilities (including inchentarios), but the proposal may induce ategorically schuled wast sorage, disposal, recovery, or treatment facilities (including inchentarios), but the proposal may include categorically schuled wast sorage, disposal, recovery, or treatment facilities (including inchentarios), but the proposal may include categorically schuled wast sorage, disposal, recovery, or treatment facilities (including inchentarios), but the proposal may include categorical schule action or and in the proposal may include a schule categorical schule actore schule active as (including, but not limide to, those is ted in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B, (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposal.

The proposed action has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not preduded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

The proposed action is categorically excluded from further NEPA review.

# SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:



### FIELD OFFICE MANAGER DETERMINATION

Field Office Manager review not required Field Office Manager review required

## BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature:

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Field Office Manager

Date:

Date:

8/4/2021