

117TH CONGRESS  
1ST SESSION

# S. 504

To establish the Green Spaces, Green Vehicles Initiative to facilitate the installation of zero-emissions vehicle infrastructure on National Forest System land, National Park System land, and certain related land, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

MARCH 1, 2021

Ms. CORTEZ MASTO (for herself, Ms. SMITH, Ms. STABENOW, Mr. MERKLEY, Ms. ROSEN, Ms. HIRONO, Mr. HEINRICH, and Mr. WYDEN) introduced the following bill; which was read twice and referred to the Committee on Energy and Natural Resources

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## A BILL

To establish the Green Spaces, Green Vehicles Initiative to facilitate the installation of zero-emissions vehicle infrastructure on National Forest System land, National Park System land, and certain related land, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Green Spaces, Green  
5 Vehicles Act of 2021”.

1 **SEC. 2. DEFINITIONS.**

2 In this Act:

3 (1) APPROPRIATE AGENCY HEAD.—The term  
4 “appropriate agency head” means—

5 (A) the Secretary of Agriculture, acting  
6 through the Chief of the Forest Service, with  
7 respect to National Forest System land; and

8 (B) the Secretary of the Interior, acting  
9 through the Director of the National Park  
10 Service, with respect to National Park System  
11 land.

12 (2) APPROPRIATE COMMITTEES OF CON-  
13 GRESS.—The term “appropriate committees of Con-  
14 gress” means—

15 (A) the Committee on Energy and Com-  
16 merce of the House of Representatives;

17 (B) the Committee on Natural Resources  
18 of the House of Representatives;

19 (C) the Committee on Appropriations of  
20 the House of Representatives;

21 (D) the Committee on Energy and Natural  
22 Resources of the Senate; and

23 (E) the Committee on Appropriations of  
24 the Senate.

25 (3) COVERED LAND.—The term “covered land”  
26 means—

1 (A) National Forest System land;  
2 (B) National Park System land; and  
3 (C) any land, including land owned by a  
4 unit of local government or Indian Tribe (as de-  
5 fined in section 4 of the Indian Self-Determina-  
6 tion and Education Assistance Act (25 U.S.C.  
7 5304))—

8 (i) that is located not more than 25  
9 miles from land described in subparagraph  
10 (A) or (B); and

11 (ii) with respect to which the Sec-  
12 retary or an appropriate agency head has  
13 entered into an agreement with the owner  
14 of the land for the installation of zero-  
15 emissions vehicle infrastructure on the  
16 land, after making a determination that  
17 the infrastructure to be installed under the  
18 agreement is related to providing zero-  
19 emissions vehicles with access to land de-  
20 scribed in subparagraph (A) or (B).

21 (4) SECRETARY.—The term “Secretary” means  
22 the Secretary of Energy, acting through the Assist-  
23 ant Secretary for Energy Efficiency and Renewable  
24 Energy.

1           (5) ZERO-EMISSIONS VEHICLE INFRASTRUC-  
 2           TURE.—The term “zero-emissions vehicle infrastruc-  
 3           ture” means infrastructure used to charge or fuel a  
 4           zero-emissions vehicle.

5           (6) ZERO-EMISSIONS VEHICLE.—The term  
 6           “zero-emissions vehicle” means—

7                   (A) a zero-emission vehicle (as defined in  
 8                   section 88.102–94 of title 40, Code of Federal  
 9                   Regulations (or successor regulations)); or

10                   (B) a vehicle that produces zero exhaust  
 11                   emissions of any criteria pollutant (or precursor  
 12                   pollutant) or greenhouse gas under any possible  
 13                   operational modes or conditions.

14 **SEC. 3. ESTABLISHMENT OF GREEN SPACES, GREEN VEHI-**  
 15 **CLES INITIATIVE.**

16           (a) ESTABLISHMENT.—The Secretary and the appro-  
 17           priate agency heads shall collaborate on an initiative, to  
 18           be known as the “Green Spaces, Green Vehicles Initia-  
 19           tive”, to facilitate the installation and use of zero-emis-  
 20           sions vehicle infrastructure on covered land.

21           (b) DUTIES.—The Secretary and the appropriate  
 22           agency heads shall facilitate the installation and use of  
 23           zero-emissions vehicle infrastructure on covered land—

24                   (1) by entering into agreements with public,  
 25                   private, or nonprofit entities for the acquisition, in-

1       stallation, and operation, including use-fee proc-  
2       essing and collection, on covered land of publicly ac-  
3       cessible zero-emissions vehicle infrastructure that is  
4       directly related to the charging or fueling of a vehi-  
5       cle in accordance with this section;

6               (2) by acquiring, in coordination with the Ad-  
7       ministrator of General Services, zero-emissions vehi-  
8       cles, including shuttle vehicles, for the fleets of the  
9       Forest Service and the National Park Service;

10              (3) by providing information to the public, in-  
11       cluding by publishing a map on any relevant agency  
12       website, regarding the availability of existing and  
13       planned zero-emissions vehicle infrastructure on cov-  
14       ered land; and

15              (4) by allowing for the use of charging infra-  
16       structure by employees of the Forest Service and the  
17       National Park Service to charge vehicles used by the  
18       employees in commuting to or from work.

19       (c) REQUIREMENT.—In carrying out this section, the  
20       Secretary and the appropriate agency heads shall ensure  
21       that the installation and use of zero-emissions vehicle in-  
22       frastructure on covered land—

23              (1) is consistent with—

1 (A) all rules established for the covered  
2 land on which the zero-emissions vehicle infra-  
3 structure is installed;

4 (B) any applicable general management  
5 plan prepared under section 100502 of title 54,  
6 United States Code, for that covered land;

7 (C) any applicable land and resource man-  
8 agement plan developed under section 6 of the  
9 Forest and Rangeland Renewable Resources  
10 Planning Act of 1974 (16 U.S.C. 1604) for  
11 that covered land; and

12 (D) any other organizing or other docu-  
13 ment relating to the management of that cov-  
14 ered land; and

15 (2) complies with all applicable laws relating to  
16 the management of the covered land.

17 (d) CONSIDERATIONS.—In determining the location  
18 for zero-emissions vehicle infrastructure acquired and in-  
19 stalled on covered land under subsection (b), the Secretary  
20 and the appropriate agency heads shall consider whether  
21 a proposed location would—

22 (1) support the use of zero-emissions vehicles  
23 by Federal fleets and visitors to Federal facilities;

1           (2) complement, to the extent feasible, alter-  
 2       native fueling corridor networks established under  
 3       section 151 of title 23, United States Code;

4           (3) meet current or anticipated market de-  
 5       mands for charging or fueling infrastructure; and

6           (4) enable or accelerate the construction of  
 7       charging or fueling infrastructure that would be un-  
 8       likely to be completed without Federal assistance.

9       (e) LOCATION OF INFRASTRUCTURE.—Any zero-  
 10   emissions vehicle infrastructure acquired, installed, or op-  
 11   erated under subsection (b) shall be located on covered  
 12   land.

13       (f) FUNDING.—

14           (1) AUTHORIZATION OF APPROPRIATIONS.—  
 15       There is authorized to be appropriated to carry out  
 16       this section \$72,000,000 for each fiscal year.

17           (2) LIMITATIONS ON USE OF FUNDS.—

18               (A) FEDERAL FLEETS.—Not more than 20  
 19       percent of any funds appropriated to carry out  
 20       this section may be used to acquire zero-emis-  
 21       sions vehicles under subsection (b)(2).

22               (B) URBANIZED AREAS.—Not more than  
 23       30 percent of any funds appropriated to carry  
 24       out this section may be used to acquire, install,  
 25       or operate zero-emissions vehicle infrastructure

1 in an urbanized area (as designated by the Bu-  
 2 reau of the Census).

3 (C) ADMINISTRATIVE COSTS.—Not more  
 4 than 2 percent of any funds appropriated to  
 5 carry out this section may be used for adminis-  
 6 trative costs.

7 **SEC. 4. AGREEMENTS FOR SHUTTLE OR OTHER TRANSPOR-**  
 8 **TATION SERVICES ON NATIONAL FOREST**  
 9 **SYSTEM LAND AND NATIONAL PARK SYSTEM**  
 10 **LAND.**

11 In entering into an agreement with an entity to pro-  
 12 vide shuttle or other transportation services on or to cov-  
 13 ered land, an appropriate agency head shall give priority  
 14 consideration to an entity that would provide the applica-  
 15 ble services using zero-emissions vehicles.

16 **SEC. 5. ALTERNATIVE FUEL USE BY LIGHT DUTY FEDERAL**  
 17 **VEHICLES.**

18 Section 400AA(a) of the Energy Policy and Con-  
 19 servation Act (42 U.S.C. 6374(a)) is amended by adding  
 20 at the end the following:

21 “(5) For purposes of making a determination  
 22 under paragraph (1) as to whether the acquisition of  
 23 alternative fueled vehicles is practicable for the fleet  
 24 of the Forest Service or the National Park Service,  
 25 the Secretary, in cooperation with the Secretary of



1 Agriculture or the Secretary of the Interior, as ap-  
2 plicable, shall take into account the availability on  
3 National Forest System land or National Park Sys-  
4 tem land, as applicable, of zero-emissions vehicle in-  
5 frastructure (as defined in section 2 of the Green  
6 Spaces, Green Vehicles Act of 2021) acquired and  
7 installed under section 3 of the Green Spaces, Green  
8 Vehicles Act of 2021.

9 “(6)(A) Notwithstanding any other provision of  
10 law, the Secretary, in cooperation with the Secretary  
11 of Agriculture or the Secretary of the Interior, as  
12 applicable, shall develop a strategy to, by 2030, in-  
13 crease the number of zero-emissions vehicles (as de-  
14 fined in section 2 of the Green Spaces, Green Vehi-  
15 cles Act of 2021) in the fleet and used in shuttle op-  
16 erations of each of the Forest Service and the Na-  
17 tional Park Service to the greater of—

18 “(i) a number that is equal to 125 percent  
19 of the number of zero-emissions vehicles in the  
20 fleet and shuttle operations of each agency on  
21 the date of enactment of this paragraph; and

22 “(ii) a number that is equal to 25 percent  
23 of all vehicles in the fleet and shuttle operations  
24 of each agency.

1           “(B) The strategy developed under subpara-  
2           graph (A) shall be updated not less frequently than  
3           once every 2 years.”.

4   **SEC. 6. REPORT.**

5           Not later than 2 years after the date of enactment  
6   of this Act, and biennially thereafter, the Secretary and  
7   the appropriate agency heads shall submit to the appro-  
8   priate committees of Congress a report that describes—

9           (1) the location of—

10                  (A) any zero-emissions vehicle infrastruc-  
11                  ture acquired, installed, or operated, or planned  
12                  to be acquired, installed, or operated, under sec-  
13                  tion 3(b)(1); and

14                  (B) any zero-emissions vehicles acquired  
15                  for the fleet of the Forest Service or the Na-  
16                  tional Park Service under section 3(b)(2);

17           (2) the amount of Federal funds expended to  
18   carry out each duty under section 3(b);

19           (3) any allocation of costs or benefits between  
20   the Federal Government and private or nonprofit en-  
21   tities under an agreement entered into by the Sec-  
22   retary or the appropriate agency heads under section  
23   3(b)(1);

24           (4) the justifications for the expenditure of  
25   funds to carry out section 3 during the period cov-

1       ered by the report, including, with respect to any  
2       zero-emissions vehicle infrastructure installed during  
3       the period covered by the report, an analysis of each  
4       of the considerations under section 3(d);

5           (5) if applicable, any challenges in acquiring the  
6       necessary workforce to install, operate, or main-  
7       tain—

8           (A) any zero-emissions vehicle infrastruc-  
9       ture acquired, installed, or operated, or planned  
10      to be acquired, installed, or operated, under sec-  
11      tion 3(b)(1); and

12          (B) any zero-emissions vehicles acquired  
13      for the fleet of the Forest Service or the Na-  
14      tional Park Service under section 3(b)(2);

15          (6) with respect to each agreement for shuttle  
16      or other transportation services on or to covered  
17      land entered into by an appropriate agency head  
18      during the period covered by the report, how the ap-  
19      propriate agency head complied with the require-  
20      ments of section 4;

21          (7) the strategy developed under paragraph  
22      (6)(A) of section 400AA(a) of the Energy Policy and  
23      Conservation Act (42 U.S.C. 6374(a)) (including  
24      any updates to the strategy under paragraph (6)(B)  
25      of that section); and

1           (8) any recommendations of the Secretary with  
2       respect to any additional funding or authority need-  
3       ed to carry out paragraph (6) of section 400AA(a)  
4       of the Energy Policy and Conservation Act (42  
5       U.S.C. 6374(a)).

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