REGULAR CALENDAR

October 15, 2024

HOUSE OF REPRESENTATIVES

REPORT OF COMMITTEE

The Committee on Public Works and Highways to which was referred HB 606-FN,

AN ACT requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure. Having considered the same, report the same: NOT RECOMMENDED FOR FUTURE LEGISLATION.

Rep. Bill Boyd

FOR THE COMMITTEE

Original: House Clerk
Cc: Committee Bill File

COMMITTEE REPORT

Committee:	**Public Works and Highways**
Bill Number:	**HB 606-FN**
Title:	**requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.**
Date:	**October 15, 2024**
Consent Calendar:	**REGULAR**
Recommendation:	**NOT RECOMMENDED FOR FUTURE LEGISLATION**

STATEMENT OF INTENT

The committee supports the concept of electric vehicles and having charging infrastructure available in the state especially at state-owned properties and buildings. However, the committee believes that this bill is broad in scope and does not meet the intended target. The committee agrees that a more focused bill should be introduced in the next session to create and have the desired impact.

Vote 15-0.

Rep. Bill Boyd
FOR THE COMMITTEE

Original: House Clerk
Cc: Committee Bill File

REGULAR CALENDAR

Public Works and Highways

HB 606-FN, requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.**NOT RECOMMENDED FOR FUTURE LEGISLATION .** Rep. Bill Boyd for Public Works and Highways. The committee supports the concept of electric vehicles and having charging infrastructure available in the state especially at state-owned properties and buildings. However, the committee believes that this bill is broad in scope and does not meet the intended target. The committee agrees that a more focused bill should be introduced in the next session to create and have the desired impact. **Vote 15-0.**

Original: House Clerk
Cc: Committee Bill File

HOUSE COMMITTEE ON PUBLIC WORKS AND HIGHWAYS

EXECUTIVE SESSION on HB 606-FN

BILL TITLE: requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.

DATE: October 15, 2024

LOB ROOM: 201

MOTION:

Interim Study (2nd yr) Not Recommended for Future Legislation

Moved by Rep. B. Boyd Seconded by Rep. Milz Vote: 15-0

Respectfully submitted,

Rep David Milz,
Clerk

STATE OF NEW HAMPSHIRE
OFFICE OF THE HOUSE CLERK

10/14/2024 2:53:06 PM
Roll Call Committee Registers Report

2024 SESSION

Public Works and Highways

10/15/2024

Bill #: HB606 **Motion:** NOT REC **AM #:** _____ **Exec Session Date:** ~~HB606~~

Members	YEAS	Nays	NV
McConkey, Mark E. Chairman	15		
Cloutier, John R. Vice Chairman	1		
Milz, David E. Clerk	2		
Fedolfi, Jim L.	3		
Newton, Clifford A.			—
Kaczynski, Thomas L.			—
Beaudoin, Richard B			—
Boyd, Bill	4		
Melvin, Charles R.	5		
Bogert, Steven T	6		
Connor, James			—
Jack, Martin L.	7		
Abbott, Michael D.	8		
Edgar, Michael A.	9		
Faulkner, Barry	10		
Newman, Sue A.	11		
Eaton, Daniel A.	12		
Pedersen, Michael P.			—
~~Vallone, Mark A~~ MURRAY, ALLISANDRA	13		
Juris, Louis C.	14		
TOTAL VOTE:	15	0	5

CONSENT CALENDAR

November 3, 2023

HOUSE OF REPRESENTATIVES

REPORT OF COMMITTEE

The Committee on Public Works and Highways to which was referred HB 606-FN,

AN ACT requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure. Having considered the same, report the same with the recommendation that the bill be REFERRED FOR INTERIM STUDY.

Rep. David Milz

FOR THE COMMITTEE

Original: House Clerk
Cc: Committee Bill File

COMMITTEE REPORT

Committee:	**Public Works and Highways**
Bill Number:	**HB 606-FN**
Title:	**requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.**
Date:	**November 3, 2023**
Consent Calendar:	**CONSENT**
Recommendation:	**REFER FOR INTERIM STUDY**

STATEMENT OF INTENT

The committee felt that the bill as written had too many flaws. It did not cover who would be paying for actual electricity usage or whether state housing projects would have to be included. Furthermore, would older state buildings have to be retro-fitted and if so, what kind of time-line would be necessary. The bill attempted to provide an inadequate solution to a complex problem.

Vote 18-0.

Rep. David Milz
FOR THE COMMITTEE

Original: House Clerk
Cc: Committee Bill File

CONSENT CALENDAR

Public Works and Highways

HB 606-FN, requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure. **REFER FOR INTERIM STUDY.**

Rep. David Milz for Public Works and Highways. The committee felt that the bill as written had too many flaws. It did not cover who would be paying for actual electricity usage or whether state housing projects would have to be included. Furthermore, would older state buildings have to be retro-fitted and if so, what kind of time-line would be necessary. The bill attempted to provide an inadequate solution to a complex problem. **Vote 18-0.**

Original: House Clerk
Cc: Committee Bill File

HOUSE COMMITTEE ON PUBLIC WORKS AND HIGHWAYS

EXECUTIVE SESSION on HB 606-FN

BILL TITLE: requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.

DATE: November 3, 2023

LOB ROOM: 201-203

MOTIONS: REFER FOR INTERIM STUDY

Moved by Rep. Milz Seconded by Rep. B. Boyd Vote: 18-0

☐ **WITHOUT RECOMMENDATION**

CONSENT CALENDAR: YES

Statement of Intent: Refer to Committee Report

Respectfully submitted,

Rep David Milz, Clerk

STATE OF NEW HAMPSHIRE
OFFICE OF THE HOUSE CLERK

1/6/2023 12:37:56 PM
Roll Call Committee Registers Report

2023 SESSION

Public Works and Highways

Bill #: 606 Motion: INTERIM STUDY AM #: _____ Exec Session Date: 11/3/2023

Members	YEAS	Nays	NV
McConkey, Mark E. Chairman	18		
Cloutier, John R. Vice Chairman	1		
Milz, David E. Clerk	2		
Fedolfi, Jim L.	3		
~~Newton, Clifford A.~~			—
Kaczynski, Thomas L.	4		
Beaudoin, Richard B	5		
Boyd, Bill	6		
Melvin, Charles R.	7		
Bogert, Steven T	8		
~~Connor, James~~			—
Jack, Martin L.	9		
Abbott, Michael D.	10		
Edgar, Michael A.	11		
Faulkner, Barry	12		
Newman, Sue A.	13		
Eaton, Daniel A.	14		
Pedersen, Michael P.	15		
~~Vallone, Mark A~~ GREGG, ALICIA	16		
Juris, Louis C.	17		
TOTAL VOTE:	18	0	2

HOUSE COMMITTEE ON Public Works and Highways

BILL NUMBER: **HB 606-FN**

BILL TITLE: **requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.**

DATE: **March 6, 2023**

THE COMMITEE HAS VOTED TO RETAIN THIS BILL.

Rep. McConkey, Chair

HOUSE COMMITTEE ON PUBLIC WORKS AND HIGHWAYS

EXECUTIVE SESSION on HB 606-FN

BILL TITLE: requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.

DATE: March 6, 2023

LOB ROOM: 201

MOTIONS: RETAINED

Moved by Rep. Cloutier Seconded by Rep. Milz Vote: 17-0

Respectfully submitted,

Rep David Milz, Clerk

STATE OF NEW HAMPSHIRE
OFFICE OF THE HOUSE CLERK

1/6/2023 12:37:56 PM
Roll Call Committee Registers Report

2023 SESSION

Public Works and Highways

Bill #: 606 Motion: RETAIN AM #: _____ Exec Session Date: 3/6/23

Members	YEAS	Nays	NV
McConkey, Mark E. Chairman	17		
Cloutier, John R. Vice Chairman	1		
Milz, David E. Clerk	2		
Fedolfi, Jim L.	3		
Newton, Clifford A.	4		
Kaczynski, Thomas L.	5		
Beaudoin, Richard B	6		
Boyd, Bill			—
Melvin, Charles R.	7		
Bogert, Steven T	8		
Connor, James	9		
Jack, Martin L.	10		
Abbott, Michael D.	11		
Edgar, Michael A.			—
~~Faulkner, Barry~~ SYKES	12		
Newman, Sue A.	13		
Eaton, Daniel A.			—
Pedersen, Michael P.	14		
Vallone, Mark A	15		
Juris, Louis C.	16		
TOTAL VOTE:	17	0	

HOUSE COMMITTEE ON PUBLIC WORKS AND HIGHWAYS

PUBLIC HEARING ON HB 606-FN

BILL TITLE: **requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.**

DATE: **February 3, 2023**

LOB ROOM: **201** **Time Public Hearing Called to Order:** **2:35 PM**

Time Adjourned: **3:00 PM**

Committee Members: Reps. McConkey, Cloutier, Milz, Fedolfi, Newton, Kaczynski, R. Beaudoin, B. Boyd, Melvin, Bogert, Connor, Jack, Abbott, Edgar, Faulkner, S. Newman, Eaton, Pedersen, Vallone and Juris

Bill Sponsors:
Rep. Parshall **Rep. Preece** **Rep. McWilliams**
Sen. Fenton

TESTIMONY

* Use asterisk if written testimony and/or amendments are submitted.

***Rep. Lucas Parshall - Prime sponsor**
Introduced bill and explained reason bill is necessary

Respectfully submitted,

Rep. David Milz, Clerk

SIGN UP SHEET

To Register Opinion If Not Speaking

Bill #: HB606-FN Date: 2/3/23

Committee: Public Works & Highways

**** Please Print All Information ****

Name	Address	Phone	Representing	Pro	Con
Rep Alvin See			Merrimack-26		✓
Rep Glenna Bailey			Strafford-2		✓
Rep David Fleece			Hills #17	✓	
Rep Tony Caplan			Merrimack 8	✓	
Rep Matt Mears			Mer 30	✓	
Rep. Timothy Horrigan			Strafford 10	✓	

House Remote Testify

Public Works and Highways Committee Testify List for Bill HB606 on 2023-02-03

Support: 5 Oppose: 1 Neutral: 0 Total to Testify: 0

Export to Excel

Name	City, State Email Address	Title	Representing	Position	Testifying	Non-Germane	Signed Up
Smith, Julie	Nashua, NH cantdog@comcast.net	A Member of the Public	Myself	Oppose	No	No	1/18/2023 5:26 PM
Strakalaitis, Judy	Derry, NH FREE-DERRY@COMCAST.NET	A Member of the Public	Myself	Support	No	No	1/29/2023 10:42 PM
Foss, Carol	Penacook, NH cfoss@nhaudubon.org	A Lobbyist	New Hampshire Audubon	Support	No	No	1/30/2023 4:49 PM
Ahlgren, Jessie	SANBORNTON, NH jessiebahlgren@gmail.com	A Member of the Public	Myself	Support	No	No	1/31/2023 9:06 AM
King, Jordan	Milford, NH jordan.king@outlook.com	A Member of the Public	Myself	Support	No	No	1/31/2023 11:33 AM
Doyle, Lindsay	Concord, NH Lkelley2422@gmail.com	A Member of the Public	Myself	Support	No	No	2/2/2023 8:27 PM

#1

Testimony on HB 606-FN - Requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.

Presented to House Committee on Public Works and Highways, February 3, 2023
Representative Lucius Parshall, Cheshire 8. Prime sponsor.

Electric vehicle (EV) infrastructure refers to the network of charging stations and other supporting systems needed to power EVs. The development and expansion of EV infrastructure is crucial for the anticipated adoption of EVs. It is no longer a question of "if" we switch to EVs, but how soon. CNN recently projected that EV sale will outstrip internal combustion vehicles by 2040, 17 years from now.

As of 2021 New Hampshire had 4,000 EVs registered. California leads by a wide margin with 563,070, representing 42% of all registered cars in their state. Politics aside, auto manufacturers are listening and adjusting their production of EVs. States other than New Hampshire are driving this demand for EVs and like it or not, the free market is transitioning away from internal combustion engines.

House Bill 606 is drafted in response to this market direction. If predictions for future charging stations are to be met, the time to lay infrastructure to meet those needs is now. Undeniably, the laying of electric cable is much easier when it is part of original construction, rather than retrofitting an existing structure. This bill makes scant requirement s for what is above ground, but ensures that vital cable is in place as preparation for charging stations.

Having driven an electric vehicle myself, perhaps it may be helpful to discuss what is meant by EV-ready. If you have a 220 volt electric dryer in your house then it is also EV-ready bu virtue of having that receptacle available. EV-capable means that the wiring is installed but the plug is absent. EV-installed means that I bring the charging cable that came with the purchase of my EV and plug it into the 220v receptacle. Aside from Tesla, all EVs are universally capable of plugging into a standard 220v receptacle.

On the other end is the meter. The branch circuit can be tied to an existing meter, or employ a stand alone meter. This means that in the case of an apartment complex each branch circuit can be connected to the meter on a particular residence. In the case of a fleet, the circuit can be run off of a common meter.

While I have investigated various codes on the way to the recommendations listed in the bill, I am very open to adjusting these recommendations either by amendment or sub-committee.

These are changing times, and I hope the committee can seize this bill as an opportunity for the future, rather than a threat to our status quo. I ask for an OTP and thank the committee for their time.

HB 606-FN - AS INTRODUCED

2023 SESSION

23-0499
10/08

HOUSE BILL ***606-FN***

AN ACT requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.

SPONSORS: Rep. Parshall, Ches. 8; Rep. Preece, Hills. 17; Rep. McWilliams, Merr. 30; Sen. Fenton, Dist 10

COMMITTEE: Public Works and Highways

ANALYSIS

This bill adds requirements and definitions for state buildings and other major construction using state funding to install electric vehicle charging infrastructure at parking spaces.

- -

Explanation: Matter added to current law appears in ***bold italics.***
Matter removed from current law appears [~~in brackets and struckthrough.~~]
Matter which is either (a) all new or (b) repealed and reenacted appears in regular type.

HB 606-FN - AS INTRODUCED

23-0499
10/08

STATE OF NEW HAMPSHIRE

In the Year of Our Lord Two Thousand Twenty Three

AN ACT requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.

Be it Enacted by the Senate and House of Representatives in General Court convened:

1 New Section; State Building Code; Electric Vehicle Charging Infrastructure. Amend RSA 155-A by inserting after section 13 the following new section:

155-A:14 Electric Vehicle Charging Infrastructure.

I. Any new construction, reconstruction, alteration, or maintenance in any state funded housing, meeting the definition of "project" in RSA 21-I:78, considered a major project under RSA 21-I:80, and constructed using any state funding, shall provide plug-in electric vehicle (EV) charging infrastructure according to this section.

II. Single family and duplex dwellings.

(a) Where parking is provided, new construction shall provide at least one EV-ready parking space per dwelling unit. EV-ready parking spaces have a 40A, 240V dedicated branch circuit for the future installation of an EV charger. For 2 adjacent EV-ready spaces, a single branch circuit shall be permitted.

(b) The service panel or sub-panel circuit directory shall identify the spaces reserved to support EV charging as “EV-ready”. The raceway location for EV-ready spaces shall be permanently and visibly marked as “EV-ready”.

III. Multi-family dwellings (3 or more units).

(a) Where 3 or more parking spaces are provided, new construction shall provide at least one EV-ready parking space under the following formula: 25 percent EV-ready parking spaces, and 75 percent EV-capable parking spaces, with fractional spaces rounded up to the next full number of parking spaces.

(b) With 2 adjacent parking spaces, one may be designated as EV-capable. The service panel or sub-panel circuit directory shall identify the spaces reserved to support EV charging as “EV-capable” or “EV-ready”. The raceway location for EV-capable spaces shall be permanently and visibly marked as “EV-capable.”

(c) Construction documents shall indicate the raceway termination point and proposed location of future EV spaces and EV chargers. Construction documents shall also provide information about the amperage of future chargers, raceway methods, wiring schematics, and electrical load calculations to verify that the electrical panel service capacity and electrical system, including any on-site distribution transformers, have sufficient capacity to simultaneously charge all EVs at all required EV spaces at the full rated amperage of the charging station.

IV. Building Alterations.

(a) Level 3 Alterations, where the work area exceeds 50 percent of the original building area or more than 10 parking spaces are substantially modified shall be subject to the EV infrastructure requirements in this section.

(b) This section does not apply to parking spaces used exclusively for trucks or delivery vehicles.

V. For the purposes of this section:

(a) "Electric vehicle" or EV means an automotive-type vehicle for on-road use primarily powered by an electric motor that draws current from an onboard battery charged through a building electrical service, electric vehicle supply equipment (EVSE), or another source of electric current.

(b) "EV-capable" space means dedicated parking space with electrical panel capacity and space for a branch circuit dedicated to the EV parking space that is not less than 40-ampere and 208/240-volt and equipped with raceways, both underground and surface mounted, to enable the future installation of electric vehicle supply equipment. For 2 adjacent EV-capable spaces, a single branch circuit is permitted. An EV-capable stall requires just the infrastructure (conduit, breaker space, junction box, etc.) for the future installation of an EV charging station. These types of spaces do not require any charging equipment to be installed at the time of permit.

(c) "EV-ready" space means a designated parking space which is provided with a dedicated branch circuit that is not less than 40-ampere and 208/240-volt assigned for electric vehicle supply equipment terminating in a receptacle or junction box located in close proximity to the proposed location of the EV parking space. For 2 adjacent EV-ready spaces, a single branch circuit is permitted. EV ready stalls require both the infrastructure and a 220V wired outlet. While the charging unit is still absent, an EV ready stall allows for the electric car driver to simply plug-in their portable charger into the outlet.

(d) "EV-installed space" means an EV parking space where the stall is able to charge an electric car on the day the building permit is signed off. EV installed spaces require all of the infrastructure plus the electric vehicle supply equipment (EVSE). The apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

2 Effective Date: This shall take effect 60 days after its passage.

LBA
23-0499
1/10/23

HB 606-FN- FISCAL NOTE
AS INTRODUCED

AN ACT requiring construction of state buildings or stat-funded housing to contain electric vehicle (EV) charging infrastructure.

FISCAL IMPACT:

Due to time constraints, the Office of Legislative Budget Assistant is unable to provide a fiscal note for this bill, as introduced, at this time. When completed, the fiscal note will be forwarded to the House Clerk's Office.

AGENCIES CONTACTED:

Department of Administrative Services, New Hampshire Association of Counties and New Hampshire Municipal Association

LBA
23-0499
Revised 1/30/23

HB 606-FN FISCAL NOTE
AS INTRODUCED

AN ACT requiring construction of state buildings or state-funded projects to contain electric vehicle (EV) charging infrastructure.

FISCAL IMPACT: [ ] State [ ] County [ ] Local [X] None

METHODOLOGY:

This bill adds requirements and definitions for state buildings and other major construction using state funding to install electric vehicle charging infrastructure at parking spaces. The Office of Legislative Budget Assistant states, based on the information provided by the entities contacted, this bill would not increase or decrease state, county or local appropriations, expenditures or revenues.

AGENCIES CONTACTED:

Department of Administrative Services, New Hampshire Municipal Association, New Hampshire Housing Finance Authority and New Hampshire Association of Counties