Kenneth Sullivan 40 Howard Street Portsmouth, NH 03801

September 17, 2021

Jon Wyckoff, Vice Chairman Historic District Commission 1 Junkins Ave. Portsmouth, NH 03801

RE: Request for HDC approval to replace 19 house windows at 40 Howard Street

Dear Vice Chairman Wyckoff,

As detailed below, my home at 40 Howard Street has nineteen (19) wooden, double hung windows with aluminum storms that I seek HDC approval to replace with hi-quality Green Mountain Window Co. Milestone Series wooden (not clad) double-hung windows of like-size, with matching window panes, and without storm windows. The existing windows and aluminum storms were installed by a previous owner in or about 1985 (the "1985 windows"). Both the 1985 windows and their installation were of modest quality, and do not operate well. In addition, there is considerable wood rot in various of the windows, trim boards and sills, with at least two of the sills completely rotted away, as depicted in the following **Exhibit-1** photos.



The windows to be replaced

Front of House. As depicted in <u>Exhibit-2</u>, currently, the front of the house (North side) has nine 1985 windows. The four 1985 windows on the first floor are Brosco B-305 double hung windows, with 9 over 6 panes, and 8" x 10" lights ("1985 Brosco 9 over 6"). The five 1985 windows on the second floor are Brosco B-303 double hung windows, with 6 over 6 panes, and 8" x 10" lights ("1985 Brosco 6 over 6").



I request to replace all nine of these 1985 windows with like-size Green Mountain windows, as detailed below.

The driveway side of the house. As depicted in **Exhibit-3**, on the driveway side (West side) of the house there are three 1985 windows to the left of the downspout that I seek to replace. On the 1st floor is a 1985 Brosco 9 over 6. On the 2nd floor is a 1985 Brosco 6 over 6, and on the 3rd floor (attic) is a 1985 Brosco 4 over 2. I seek to replace these three 1985 windows only.

To the right of the Downspout are two newer Marvin wooden double hung windows that I installed in 2015 with HDC approval. I do **not** seek to replace these.

Exhibit-3

Driveway side (West), with three 1985 windows (left of downspout), and two HDC-approved, 2015 Marvin windows (right of downspout).



The house side opposite my driveway (East side). This side has four 1985 windows, depicted here (partially obscured by vegetation) in the recent photo in <u>Exhibit-4</u>). The first floor has two 1985 Brosco 9 over 6 windows, and the second floor has two 1985 Brosco 6 over 6 windows. I seek to replace all four of these 1985 windows.



Rear of house (South). The back of the house (South side) has six windows (plus French doors), as depicted in the recent photo in **Exhibit-5**. To the left of shed are two more of the newer Marvin wooden double hung windows that I installed in 2015 with HDC approval. I do **not** seek to replace these.

To the right of shed on the 3rd floor are two 1985, 2 over 2 Brosco casement windows, without storm windows. I do **not** seek to replace these.

To the right of shed there is a 1985 Brosco 6 over 6 window on both the 1st and 2nd floors. I seek to replace both of these. (Note: there is green plywood covering the first floor 1985 Brosco 6 over 6 window, which is temporarily removed for the designing & measuring of the replacement window).



Summary of existing 1985 windows I seek to replace:

Exhibit- 6 1985 Brosco 9 over 6 windows	
Number	Location
4	Front of house (North), 1st floor
1	My driveway side of house (West), 1st floor
2	Side opposite my driveway (East), 1st floor
Total: 7	

Exhibit- 7 1985 Brosco 6 over 6 windows	
Number	Location
5	Front of house (North), 2nd floor
1	My driveway side of house (West), 2nd floor
2	Side opposite my driveway (East), 2nd floor
2	Rear of house (South), one each on 1st and 2nd floors
Total: 11	

Exhibit- 8 1985 Brosco 4 over 2 window		
Number	Location	
1	My driveway side of house (West), 3rd floor	
Total: 1		

Total number of 1985 windows to be replaced: 19

The Green Mountain replacement window descriptions.

The replacement windows will be custom sized, energy efficient, Green Mountain Window Co. Milestone Series, Double Hung Windows: constructed of solid pine (not clad), with Lifespan Solid Select painted exterior, primed interior, Low E - Argon (or Krypton) filled glass, 4-9/16" jam, 5/8" SDL with grey spacer, oil rubbed hardware, 1 x 6 Lifespan select casing (see brochure section below), backband (ships loose), mahogany sill with historic sill nose, aluminum-framed half screen with charcoal fiberglass mesh screens (see data on schematic renderings below).

The window glass pane sizes for each custom-sized replacement Green Mountain window will match the respective, existing 1985 windows glass pane sizes. In addition, each Green Mountain replacement window will match the size of each respective, existing 1985 window, without any diminishment of window height or width.

Note that the 1985 Brosco 6 over 6 center window on the 2nd floor of the front of the house (North) is in a bathroom, and will be replaced with a Green Mountain window with tempered glass. Note also that the 1985 Brosco 4 over 2 window on the 3rd floor (attic) of my driveway side (West) will also be replaced with a Green Mountain window with tempered glass.

Exhibit-9 Green Mountain Milestone Series Energy Data Sheet



Schematics - Green Mountain Co. 9 over 6 light windows



Schematics - Green Mountain Co. 6 over 6 light windows



Schematics

Green Mountain Co. 4 over 2 light window (only 1, to replace existing, driveway side (West), 3rd story (attic) existing 1985 Brosco 4 over 2 window





Exhibit-14 Green Mountain Co. information sheet



Among other benefits, the proposed replacement of windows are intended to preserve the integrity of the District, maintain the special character of the District, complement and enhance the architectural and historic character, conserve and enhance property values, and are consistent with the special and defining character of surrounding properties, with compatibility of design with surrounding properties.

Respectfully submitted,

<u>/s/ Kenneth C. Sullivan</u> Owner, 40 Howard Street