

# STATE OF NEW YORK

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6160

2017-2018 Regular Sessions

## IN SENATE

May 11, 2017

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Introduced by Sen. PARKER -- read twice and ordered printed, and when printed to be committed to the Committee on Energy and Telecommunications

AN ACT to authorize the New York state energy research and development authority to study significantly improving high-performance efficiency in commercial office buildings

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

1 Section 1. Definitions. For purposes of this act, the following terms  
2 shall have the following meanings: (a) "Authority" shall mean the New  
3 York state energy research and development authority.

4 (b) "Chair" shall mean the chair of the New York state energy research  
5 and development authority.

6 (c) "Commercial office building" shall mean buildings used for general  
7 office space, a professional office, or administrative office including:

8 (i) professional offices; (ii) administrative offices; (iii) govern-  
9 mental offices; (iv) mixed-use offices; (v) banks or other financial  
10 institutions; (vi) medical offices which do not use diagnostic medical  
11 equipment; (vii) sales offices; (viii) contractor's offices, including  
12 but not limited to construction, plumbing and HVAC; (ix) not-for-profit  
13 or social services offices; (x) city hall or city center; and (xi) call  
14 center or data center.

15 (d) "Separate spaces" shall mean areas within a commercial office  
16 building that are leased or otherwise occupied by a tenant or other  
17 occupant for a period of time pursuant to the terms of a written agree-  
18 ment.

19 (e) "High-performance efficiency measures" which shall mean (i) "cost  
20 effective energy efficiency measures", which shall include any building  
21 product, material, equipment or service, and the installation, implemen-  
22 tation, or operation thereof, that provides energy savings in an amount  
23 that is not less than the cost of such installation, implementation or  
24 operation; and/or (ii) "cost effective water efficiency measure" which  
25 shall include any building product, material, equipment, or service and  
26 the installation, implementation, or operation thereof, that provides

EXPLANATION--Matter in italics (underscored) is new; matter in brackets  
[-] is old law to be omitted.

LBD06196-01-7

1 water savings in an amount that is not less than the cost of such  
2 installation, implementation, or operation.

3 § 2. No later than one year following the effective date of this act,  
4 the authority shall complete a study on the feasibility of:

5 (a) significantly improving energy efficiency in commercial buildings  
6 through the design and construction, by owners and tenants, of separate  
7 spaces with high-performance efficiency measures;

8 (b) encouraging owners and tenants to implement high-performance effi-  
9 ciency measures in separate spaces; and

10 (c) encouraging the cooperation of commercial office buildings in  
11 aggregating electrical load and usage utilizing demand response  
12 programs, whether utility-based or operated by the federally designated  
13 bulk system operator charged with maintaining the state's high-voltage  
14 transmission system.

15 § 3. The study required by section two of this act, shall, at a mini-  
16 mum, include descriptions of:

17 (a) High-performance efficiency measures that should be considered as  
18 part of the initial design and construction of separate spaces;

19 (b) Processes that owners, tenants, architects and engineers may  
20 replicate when designing and constructing separate spaces with high-per-  
21 formance efficiency measures;

22 (c) Policies and best practices to achieve reductions in energy inten-  
23 sities for lighting, plug loads, heating, cooling, cooking, laundry and  
24 other systems to satisfy the needs of the commercial building tenant;

25 (d) Return on investment and payback analyses of the incremental cost  
26 and projected energy savings of the proposed set of high-performance  
27 efficiency measures, including consideration of available incentives;

28 (e) Models and simulation methods that predict the quantity of energy  
29 used by separate spaces with high-performance efficiency measures and  
30 that compare that predicted quantity to the quantity of energy used by  
31 separate spaces without high-performance efficiency measures but that  
32 otherwise comply with applicable building code requirements;

33 (f) Measurement and verification platforms demonstrating actual energy  
34 use of high-performance efficiency measures installed in separate spac-  
35 es, and whether such measures generate the savings intended in the  
36 initial design and construction of the separate spaces;

37 (g) Best practices that encourage an integrated approach to designing  
38 and constructing separate spaces to perform at optimum energy efficiency  
39 in conjunction with the central systems of a commercial building;

40 (h) Any impact on employment resulting from the design and  
41 construction of separate spaces with high-performance efficiency meas-  
42 ures; and

43 (i) The ability of owners of commercial office buildings to cooperate  
44 in managing electric load to reduce peak-time demand.

45 § 4. The authority shall consult with the public service commission,  
46 the federally designated bulk system operator and electric corporations  
47 and public power authorities operating in New York on their findings.  
48 The authority may incorporate data from relevant federal agencies,  
49 including information provided in the most recent Commercial Buildings  
50 Energy Consumption Survey published by the U.S. Energy Information  
51 Administration, into such findings.

52 § 5. Copies of the study, as required by section two of this act,  
53 shall be provided to the temporary president of the senate, the chair of  
54 the senate committee on energy and telecommunications, the speaker of  
55 the assembly, and the chair of the assembly committee on energy.

56 § 6. This act shall take effect immediately.