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State of Minnesota  
**HOUSE OF REPRESENTATIVES**  
NINETIETH SESSION

**H. F. No. 4289**

03/29/2018 Authored by Garofalo  
The bill was read for the first time and referred to the Committee on Job Growth and Energy Affordability Policy and Finance

1.1 A bill for an act  
1.2 relating to energy; appropriating money for renewable energy projects.

1.3 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.4 Section 1. RENEWABLE ENERGY PROJECTS; APPROPRIATION.

1.5 \$1,750,000 in fiscal year 2019 is appropriated from the renewable development account  
1.6 in the special revenue fund to the Board of Regents of the University of Minnesota as  
1.7 follows:

1.8 (1) \$350,000 is to develop, evaluate, and optimize thin film silicon-based luminescent  
1.9 solar window concentrators in order to produce inexpensive, clean energy and reduce air  
1.10 pollution;

1.11 (2) \$550,000 is to install, demonstrate, and evaluate three community-scale storage  
1.12 systems for renewable energy and develop a guidebook on storing renewable energy for  
1.13 statewide use;

1.14 (3) \$300,000 is to develop inexpensive, high-efficiency solar energy with simple  
1.15 roll-to-roll advanced manufacturing technology, using new materials such as perovskite to  
1.16 make solar cells; and

1.17 (4) \$550,000 is for the West Central Research and Outreach Center at Morris to design,  
1.18 integrate, and field-test an autonomous pasture mower and solar charging station to control  
1.19 weeds, reduce herbicide use, reduce energy costs, and improve native vegetation and forage  
1.20 quality on agricultural lands.

1.21 This is a onetime appropriation and is available until June 30, 2021.