

## **IEM Committee**

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**From:** Mike Silva <mike@femaui.com>  
**Sent:** Tuesday, September 12, 2017 9:01 AM  
**To:** IEM Committee  
**Subject:** Testimony for IEM-33, Sand Mining Moratorium  
**Attachments:** 2017-09-12 Sand Moratorium.pdf

Hi,

Please refer to the attached testimony.

Thanks,  
Mike

Michael E. Silva, PE, LS, LEED AP  
Fukumoto Engineering, Inc.  
1721 Wili Pa Loop, Suite 203  
Wailuku, Hawaii 96793  
(808) 242-8611  
[mike@femaui.com](mailto:mike@femaui.com)



P.O. Box 4119  
Kahului, Hawaii 96733  
hspemaui@gmail.com  
www.facebook.com/hspemaui

September 12, 2017

Honorable Elle Cochran, Chair  
Infrastructure and Environmental Management Committee  
200 South High Street, 8th Floor  
Wailuku, Maui, Hawaii 96793

Dear Chair Cochran:

Subject: MORATORIUM ON EXPORTING SAND, THE MAUI ISLAND SAND  
RESOURCE QUANTIFICATION STUDY AND SAND MINING REGULATION  
(IEM-33)

The Maui Chapter of the Hawaii Society of Professional Engineers is opposed to the sand mining moratorium bill. The moratorium will hinder construction for the following reasons.

1. Export of materials: The majority of construction projects that involve grading or utility installation require materials including dirt and sand to be exported from the project site. Affected projects include development of subdivisions and infrastructure projects including road pavements, sidewalks, bike lanes, bus stops, water lines, sewer lines, drain lines, and underground electrical and communication lines. The moratorium would prohibit these projects from disposing of the excess materials off-site if it includes sand.
2. Ingredient in concrete and grout: Portland Cement Concrete, or concrete, has three main ingredients; water, aggregate, and Portland cement. Aggregate is a mixture of various sizes of rock and sand. Grout is similar to concrete with the exception that the aggregate is strictly sand. Limiting the source of sand, which is a key ingredient in these construction materials, could prohibit many projects from addressing the community's needs.

We are concerned with the negative impacts to Maui's economy and infrastructure that this sand mining moratorium would create. We recommend that the proposed bill not be passed.

Thank you for your consideration.

A handwritten signature in black ink that reads 'Troy Ching'.

Troy Ching  
HSPE Maui Chapter President

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2017-2018 HSPE Maui Chapter Officers:

Troy Ching, PE, President; Bao Duong, PE, Vice President; Eric Takamine, PE, Secretary;  
Irina Constantinescu, PE, Treasurer; Mandy Saito, PE, State Director