Inspection Report No.: 7191119834 – IFA15 – VS/02
(ADD 1)

PSB Singapore

Client	:	Universal Energy Saving Pte. Ltd.
Item Description	:	Measurement and Verification of Current Utilization at 42, Lakeside Drive
Reference Document	:	NSRT procedure
Scope of Work	:	Measurement of currents consumed before and after Electrical Distribution Board panels treated with Z – Energeia Energy Optimizer (powered by NSRT) liquid coating

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1. PLACE OF INSPECTION/ MAINTENANCE :

Block 42, Lakeside Drive, #13 - 03, Singapore 648322

2. DATE OF INSPECTION/ MAINTENANCE

11th Apr, 2016

3. ATTENDEES

Ian Anthony Chew Boon Keong – CEO of Universal Energy Saving Pte. Ltd.
Sebastian Leong Eng Kit – Technical Director of Universal Energy Saving Pte. Ltd.
Subramanian Vairavan – TUV-SUD-PSB Pte. Ltd.

4. INSTRUMENTS USED

Fluke 322

5. FINDINGS (AS PER JOB SCOPE):

As of 11th Apr,

Amount of saving in energy is computed as below:

Before treatment = (4.66 kW + 4.82 kW) / 2
= 4.74 kW

After treatment = 3.86 kW

Saving = 4.74 – 3.86 = 0.88 kW

In percentile = 0.88 kW / 4.74 kW
= 18.6 %

Please refer table below for records of measurements.

DATE		11th Apr 2016						ENERGY CONSUMPTION RECORD SHEET			
TEST LOCATION		Blk 42, #13-03, The Lakefront residences									
EQUIPMENT USED		Clamp-On meter: FLUKA 322 (SN: 11460475)									
SEU		Refrigerator and 5 Air-Cons set at 20 deg C									
PANEL	TIME	TEMP (deg C)		AMPs				VOLT		ENERGY	REMARKS
		ROOM	ELCB	R	Y	B	AVERAGE			kW (w/o pf)	
11th Apr 2016											
Main	7.30 PM	25	N/A	19.32				241		4.66	Measured
Incoming	8.00 PM	25	N/A	20				241		4.82	at outlet
Panel											
				19.7			19.7	241.0		4.74	
	9.00 PM			16				241		3.86	Measured
											at outlet
				16.0			16.0	241		3.86	

6. OBSERVATION :

Reduction in Current consumption could be seen as soon as treatment started settling in.

7. REMARKS :

Following operational conditions apply.

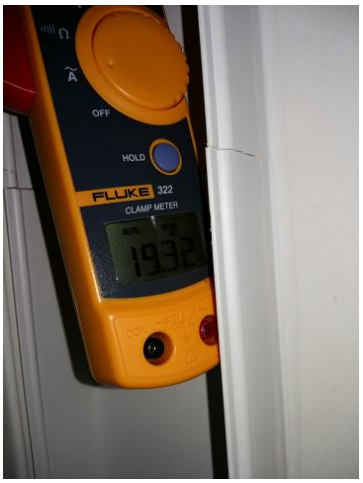
i. Following are list of loads in the premises.
   a. Refrigerator –
   b. Air-Conditioners – 5 FCUs @ 0.043 kW each and 1 Compressor @ 2.45 kW
   c. Washing Machine @ 2.1 kW
   d. Electrical Oven and Cooking Hood

ii. Loads (a) and (b) were operating during inspection.

8. Photo evidences

View of Significant Energy Users

Sample images for measurements taken.



Prepared & Inspected by:	
Date: 26th May, 2016	

-End of Report-

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