

# **Energy Management and Conservation Training**

**October 30, 2019**

**DOST 7 Conference Hall, Sudlon, Lahug, Cebu City**



***Department of Science and Technology Region VII***

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## **Rationale and Context**

In order to heighten the knowledge of the Women-Micro Entrepreneurs on Energy Management and Conservation Training, the DOST 7 and the Philippine Commission on Women under its Great Women Project conducted the training to enhance the expertise of the WMEs on Energy Management and Conservation.

This training is part of the series of the DOST Technical Trainings provided to all its partner WMEs under the SET UP Project. It seeks to provide an advance science and technological skills to all women entrepreneurs for them to be globally competitive in the world market.

## **Objectives and Expected Outputs**

The training aims to enhance the knowledge of the WMEs on Energy Management and Conservation Training. It seeks to provide the participants the capacity on Energy Audit on Air Conditioning System and Compressor Air System as well as on Lighting System Audit.

## **Proceedings**

The resource speaker Engr. Roberto B. Edra, Sr. Science Research Specialist and Mr. Juan Edgar C. Osorio, Science Research Specialist II of the Department of Science and Technology Region VII first presented the Introduction to Energy Management. This was then followed with an input on Energy Audit on Air Conditioning System given by Mr. Juan Edgar C. Osorio.

In the input the Introduction to Energy Conservation, Management and Audit Measures, Engr. Osorio explained, energy audit can, “promote awareness in energy efficiency , identify the cost of energy you use, identify and minimize wastage, retrofit energy efficiency technologies, conserve non-renewable energy resources, protect the environment by reducing power generation and can help reduce running costs” of WMEs.

The WMEs were also informed on the use of inverter technology that can help save energy in the use of air conditioning systems especially in commercial areas. The significance of energy efficiency is reiterated in this input.

Moreover, Engr. Edra then proceeded with an input on Lighting System Audit essential with the guidelines of DOE regarding “Guidelines for Energy Conserving Design of Buildings and Utility Systems”. Sir Edra explained that the input can help provide attractive return on investment and can also improve the visual environment and workers’ productivity.

The topic Energy Audit on Compressor Air System was provided by Engr. Osorio who emphasized the need to observe and maintain energy conservation measures such as the incorporation of transvector nozzle for cleaning application, substitution and segregation of compressed air.

The participants raised questions pertaining to the conduct of energy audit to business establishments.

The training session ended with a one year individual planning of WMEs to implement energy conservation measures in their own enterprises using the recommended technical strategies advised by the speaker.

## Summary of General Agreements/ Next Steps

Agenda	Discussion	Agreements
Energy Audit on Air Conditioning System	The need to identify the cost of energy each WME used, apply strategies to minimize wastage	For all participating WMEs to make their best effort to realize their individual plans they themselves designed so as to manage and conserve energy in their business operations.
Lighting System Audit	To apply the Guidelines for Energy Conserving Design of Buildings and Utility Systems set by DOE	
Energy Audit on Compressor Air System	Application of compressed air technical measures	

## Management Issues, Adjustments and Lessons Learned

The WMEs realized the need to ensure/ check and secure their energy usage.

## Annexes

1. **Program Schedule**
2. **Attendance (Name, Sex, Designation, Agency/Office, Contact Numbers, and Signature, if actual attendance sheet is attached)**
3. **PowerPoint Presentation/s of Lecturers/ Resource Persons/ Facilitators**
4. **Speaker's Profile**
5. **Summary of Participants' Evaluation**
6. **Photo documentation with caption.**

