



COLLEGE OF SOCIAL SCIENCES

**HAWAII ENERGY POLICY FORUM**

UNIVERSITY OF HAWAI'I AT MĀNOA

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# **Measuring Progress Towards Hawai 'i Clean Energy Goals**

## **Developing Metrics and Status Reports:**

**A Project Coordinated by the  
Hawai 'i Energy Policy Forum**

Carl Freedman

Haiku Design & Analysis

January 10, 2013

# Metrics and Status Reports

Are we making progress towards our clean energy goals?

Are we attaining the underlying objectives for our clean energy transition?

How are we going to measure our progress?

# Attainment of Underlying Objectives

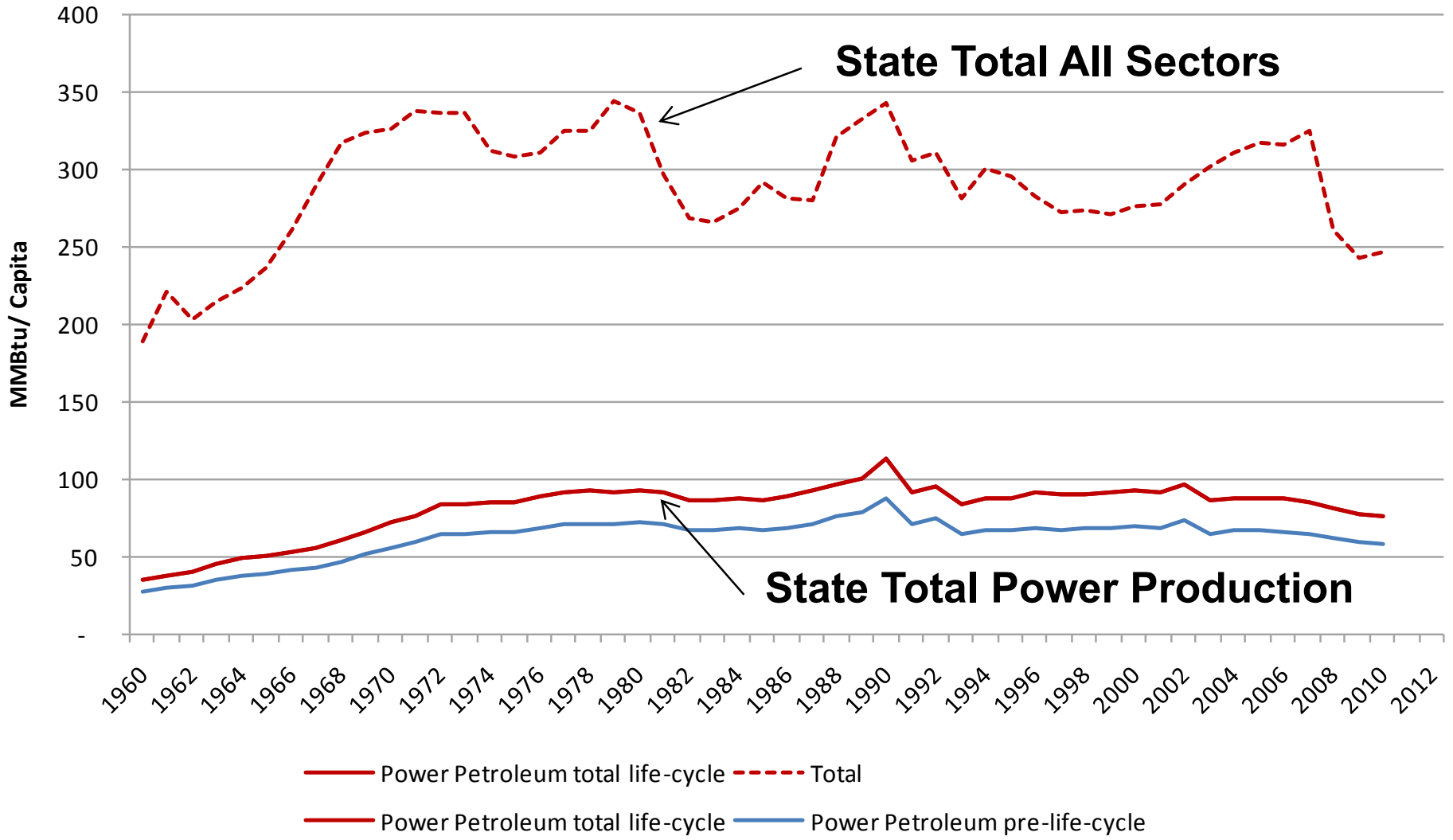
- Reducing carbon footprint
- Reducing export of dollars from Hawaii
- Reducing energy cost volatility
- Creating “green jobs”
- Increasing fuel supply reliability
- Maintaining affordable energy costs
- Reducing environmental impacts

# Phase I Results: Recommended Metrics

- Attainment of State Standards**
- Attainment of Underlying Objectives**
- Overall Clean Energy Progress Indicator**
- Progress on Projects and Programs**

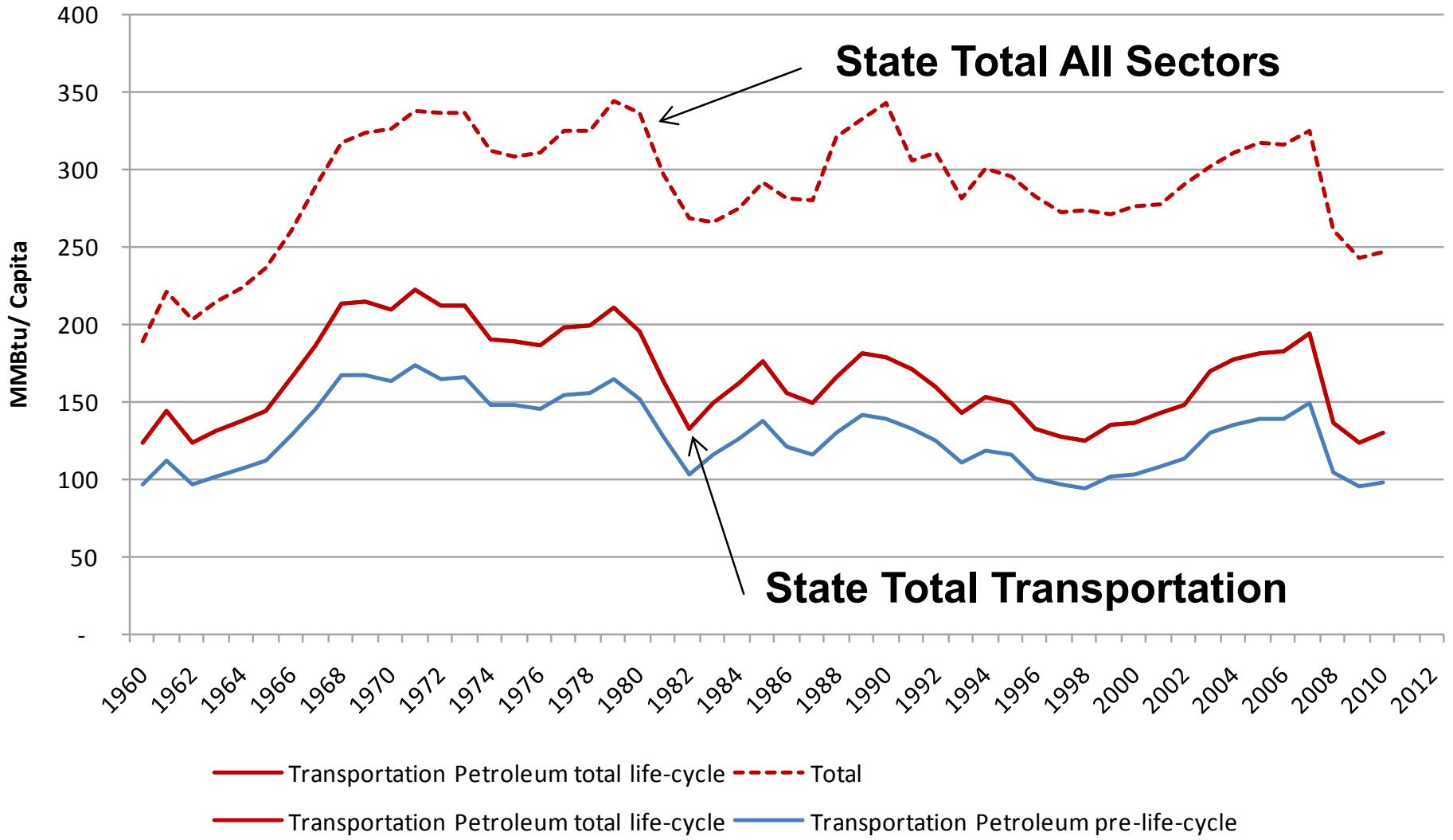
# Fossil Fuel Content Hawaii Fuel Consumption

## Petroleum Used in Power Production (MMBtu/per Capita)



# Fossil Fuel Content Hawaii Fuel Consumption

## Petroleum Used in Transportation (MMBtu/per Capita)





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