

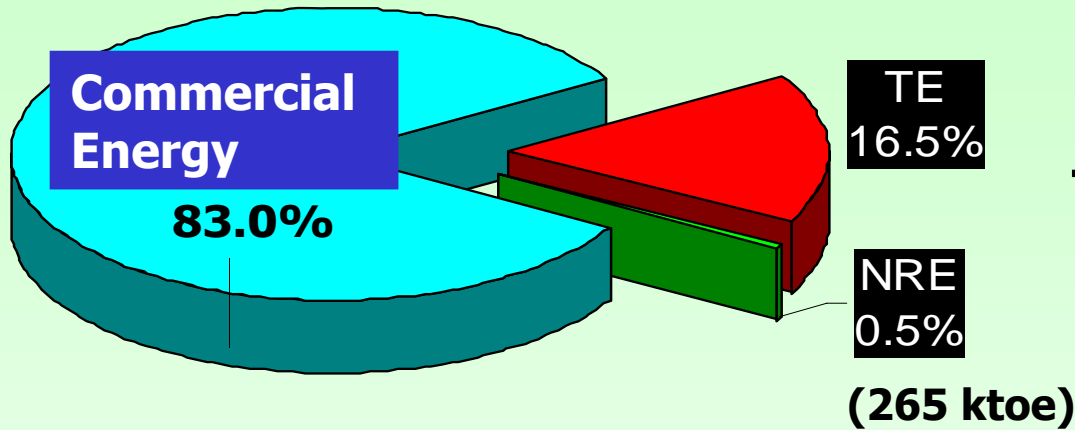
# **Biomass for Electricity Generation**

Thailand

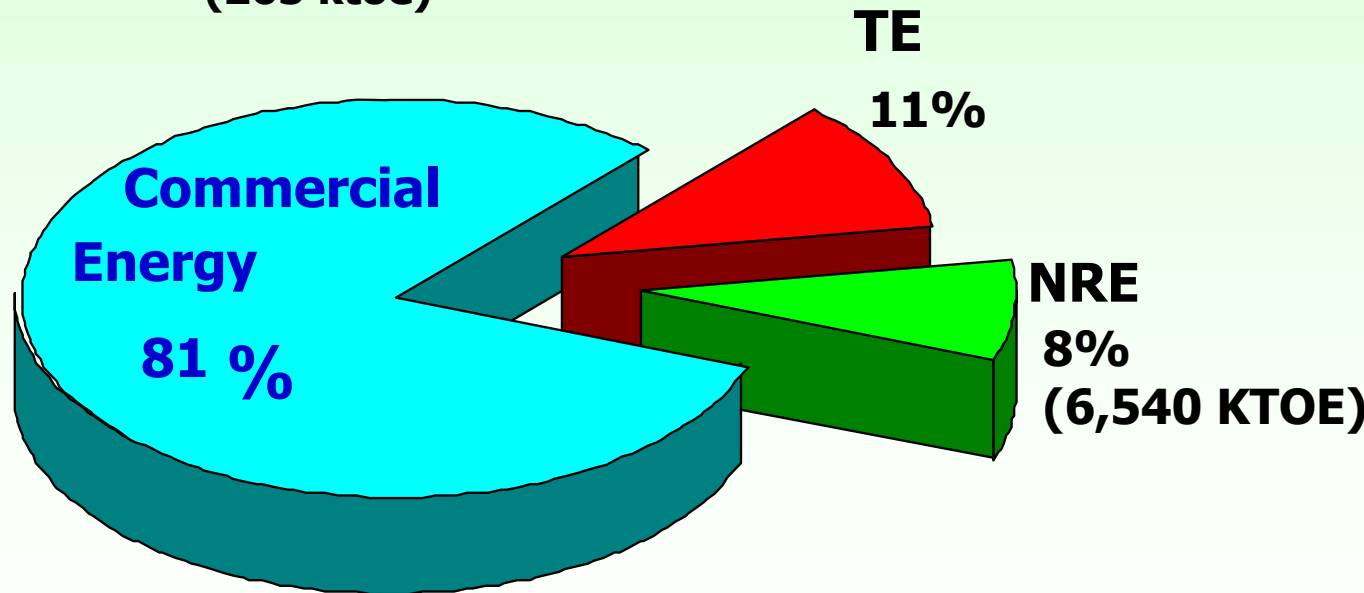
The Thematic Policy Workshop on “Information for the Commercialization of Renewables in ASEAN (ICRA)” Project

**Prince Palace Hotel, Bangkok, March 10, 2005**

# Renewable Energy Policy

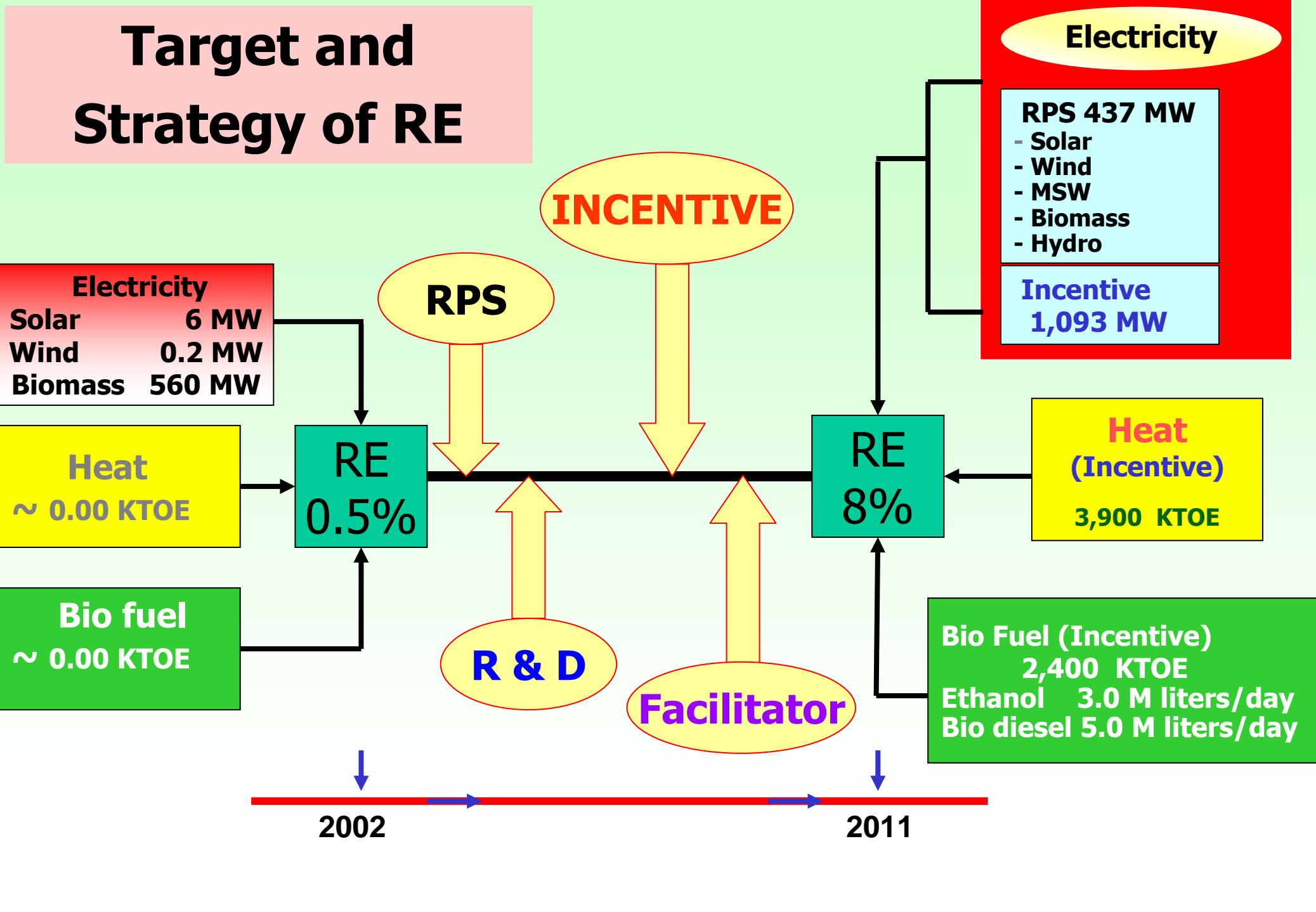


**2003**  
**52,939 KTOE**



**2011**  
**81,763 kTOE**

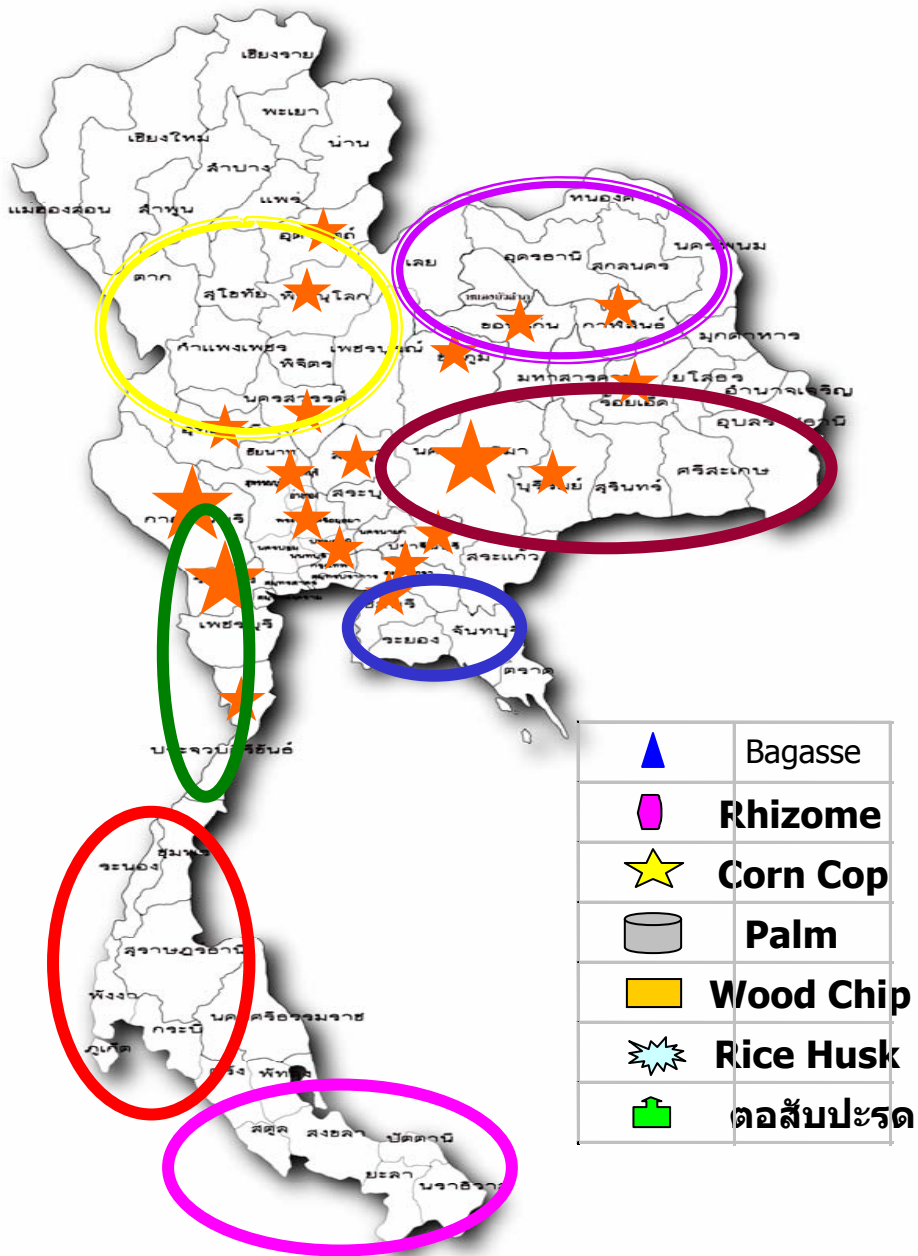
# Target and Strategy of RE





**Biomass**

# Target for Biomass Electricity

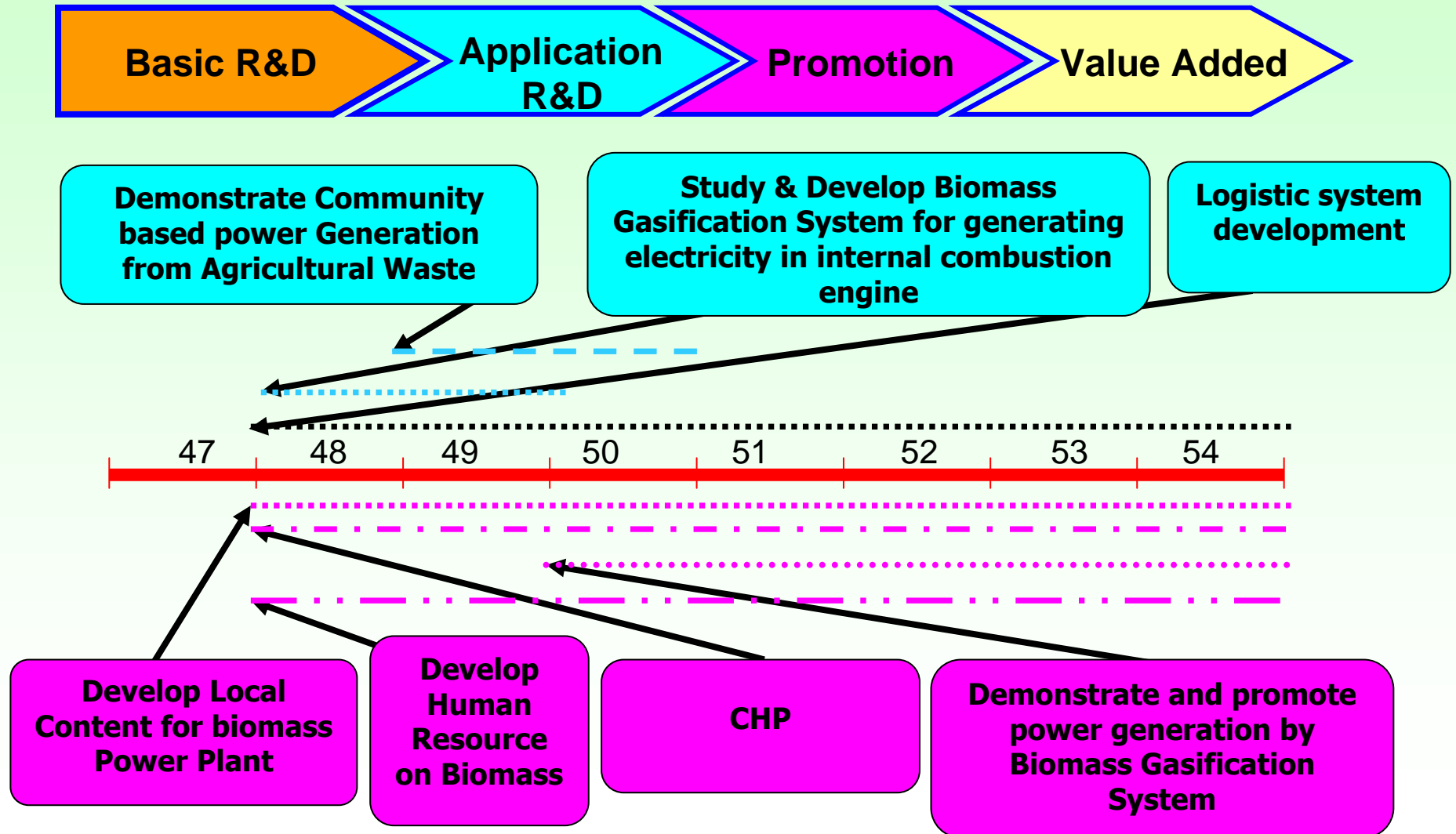


80 MW	
60 MW	
210 MW	
80 MW	
40 MW	
80 MW	
80 MW	
<b>730 MW</b>	

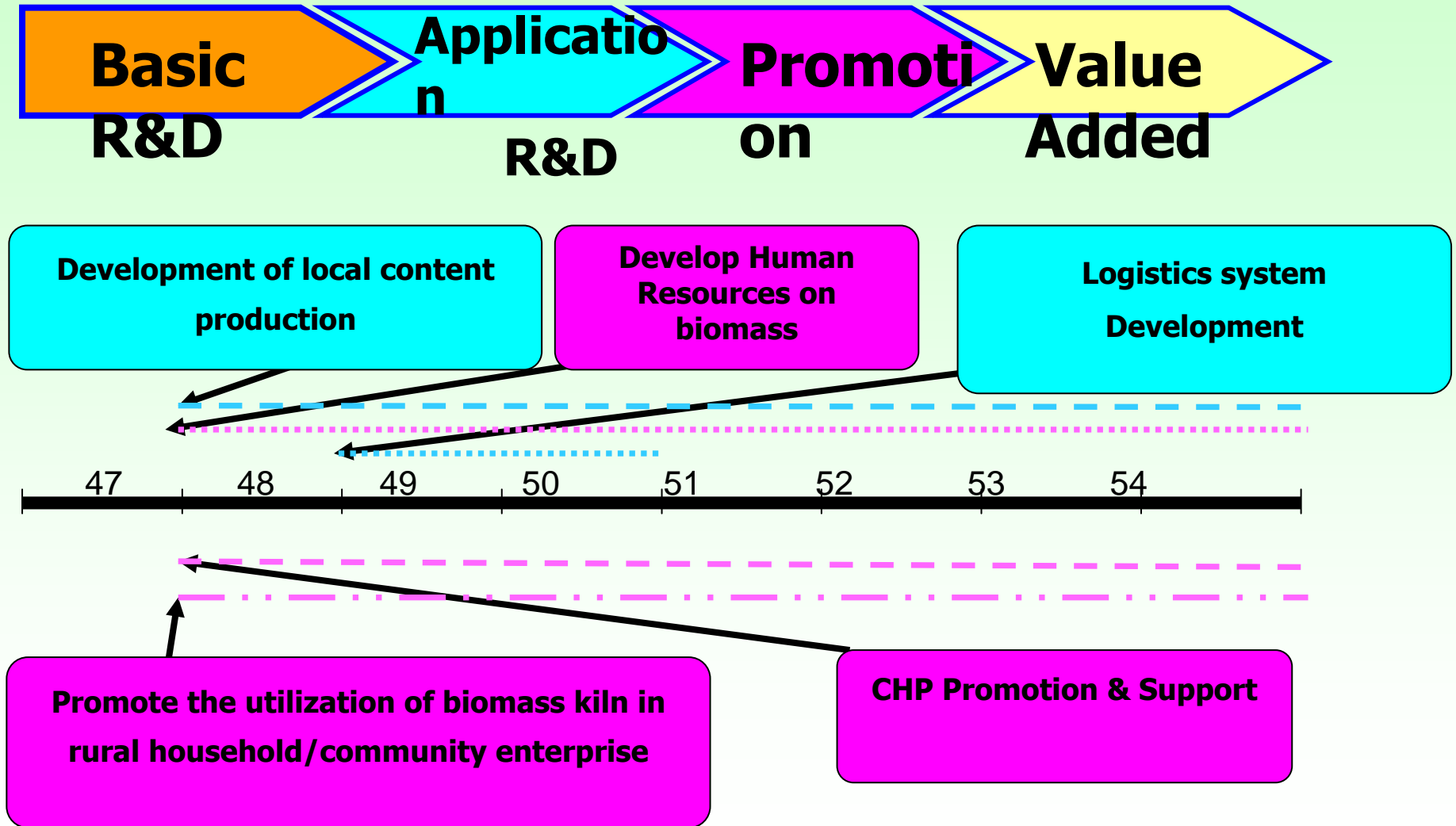
Existing



# Biomass Roadmap (Power Generation)



# Biomass Roadmap (Thermal)



## **SPP – Biomass Grid Connected (November 2004)**

<b>Type of Biomass</b>	<b>No.</b>	<b>Installed Capacity (MW)</b>	<b>Grid Connected (MW)</b>
<b>Bagasses</b>	<b>22</b>	<b>536.2</b>	<b>169.3</b>
<b>Rice Husk</b>	<b>6</b>	<b>85.9</b>	<b>54.0</b>
<b>Rice Husk with Wood chip</b>	<b>3</b>	<b>60.8</b>	<b>35.2</b>
<b>Rice Husk, Bagasses &amp; Wood Chip</b>	<b>4</b>	<b>108.8</b>	<b>62.2</b>
<b>Wood Chip &amp; Black Liquor</b>	<b>1</b>	<b>87.2</b>	<b>50.0</b>
<b>Black Liquor</b>	<b>1</b>	<b>32.9</b>	<b>25.0</b>
<b>MSW</b>	<b>1</b>	<b>2.5</b>	<b>1.0</b>
<b>Total</b>	<b>38</b>	<b>914.3</b>	<b>396.7</b>



## Electricity Generation – Rick Husk Details (October, 2004)

	Name	Location	(MW)	Quantity (Ton/yr)
1.	PRG Rice Mill	Pathumthani	9.24	162,000
2.	Thai Power Supply 1	Chacherngchao	47.4	420,000
3.	Thai Power Supply 2	Chacherngchao	10.4	100,000
4.	Biomass Power	Chainat	6	110,000
5.	Roi Et Green	Roi Et	9.9	175,000
6.	Thai Power Supply 3	Chacherngchao	3.0	55,000
7.	Satuk Biomass	Buriram	9.8	57,000
8.	Bua Sommai	Roi Et	6.0	110,000
<b>รวม</b>			<b>101.7</b>	<b>1,189,000</b>

# Roi Et Green Biomass Power Plant





Bagasse Biomass Power Plant - Bagasse



**More Information**  
visit  
**[www.dede.go.th](http://www.dede.go.th)**

***Thank you for your kind attention***