Energy Policy Coordination in North America

Joint Public Advisory Committee Commission for Environmental Cooperation

> 24th March 2010 Vancouver, Canada

Dr. Jan Hamrin, CEO



Coord of RE Policy: Primary Issues

- 1. Purpose of Coordination
 - Policy Types & Goals
 - Increasing RE in Energy Mix
 - Greenhouse Gas Reduction
- 2. Definition of Renewables
- 3. Eligibility for Policy Treatment
- 4. Coordination of Accounting Systems



Purpose of Coordination

- Cross-border imports/exports of power
 - General power sector purchases
 - Imports to meet specific program compliance
- Cross-border trading of RE certificates
 - For Voluntary Market
 - For Compliance Markets
- Cross-border trading of carbon certificates
 - Carbon Allowances and Offsets
 - Carbon reduction benefits



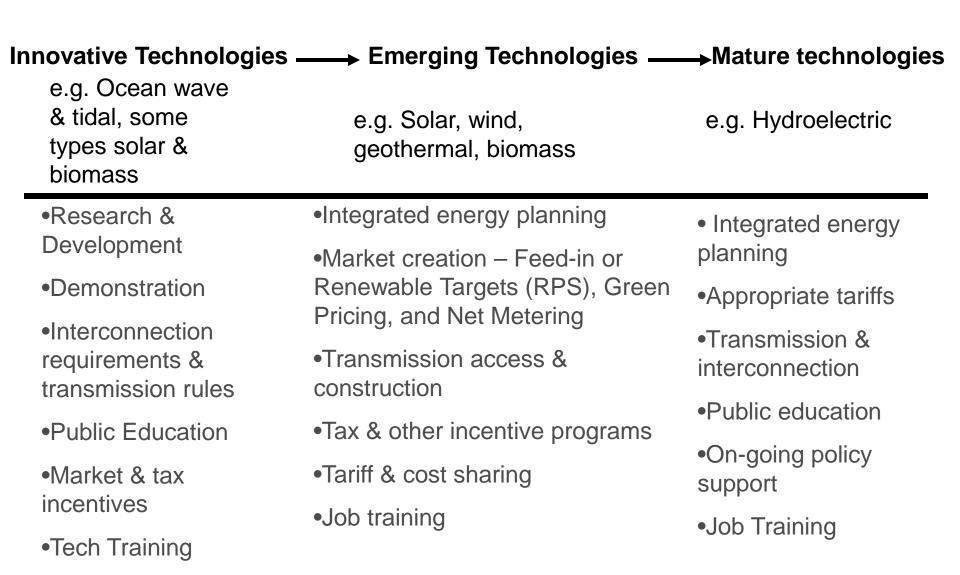
Definition of Renewable Electricity

A resource is called **renewable** if it is **flow limited** (i.e. limited in the amount of energy available in a unit of time) but <u>can be naturally replenished</u>. Renewable sources of electricity include solar electric, wind, geothermal, biomass, hydroelectric and tidal power.

Non-renewable resources refer to fuels of which the Earth is endowed with fixed stocks; once the stocks are depleted no more will be available on any practical timescale.



RE Electricity Policies



Eligibility of RE <u>Technologies</u> for Energy Policy Treatment

Program goals

- Overall electricity Development
- Economic Development
- Environmental Benefits
- Specific resource/technology
 Development (Market Creation)
 - Commercial Maturity of Technology
 - Resource Availability
 - Other Available Incentive Programs



Eligibility of RE <u>Projects</u> for Carbon Policy Treatment

Program Goals and Rules

Is the project "Additional"

Other Incentive Programs



Barriers to Resolution

- Market Power and Market Share
- Lack of coordination of policies with like purposes
- Inability to separate policy goals and eligibility from RE definition
- Lack of coordination among accounting systems



Thank You!

Contact:

Dr. Jan Hamrin, CEO

HMW International, Inc.

131 Camino Alto, Suite D

Mill Valley, CA 94941

Ph: 415/388-1352

JanHamrin@HMWInternational.com