

BNERI..a think tank thru innovative R&D solutions

APERC Cooperative Activities Mechanism

A "necessity" under APERC Work Plan ?

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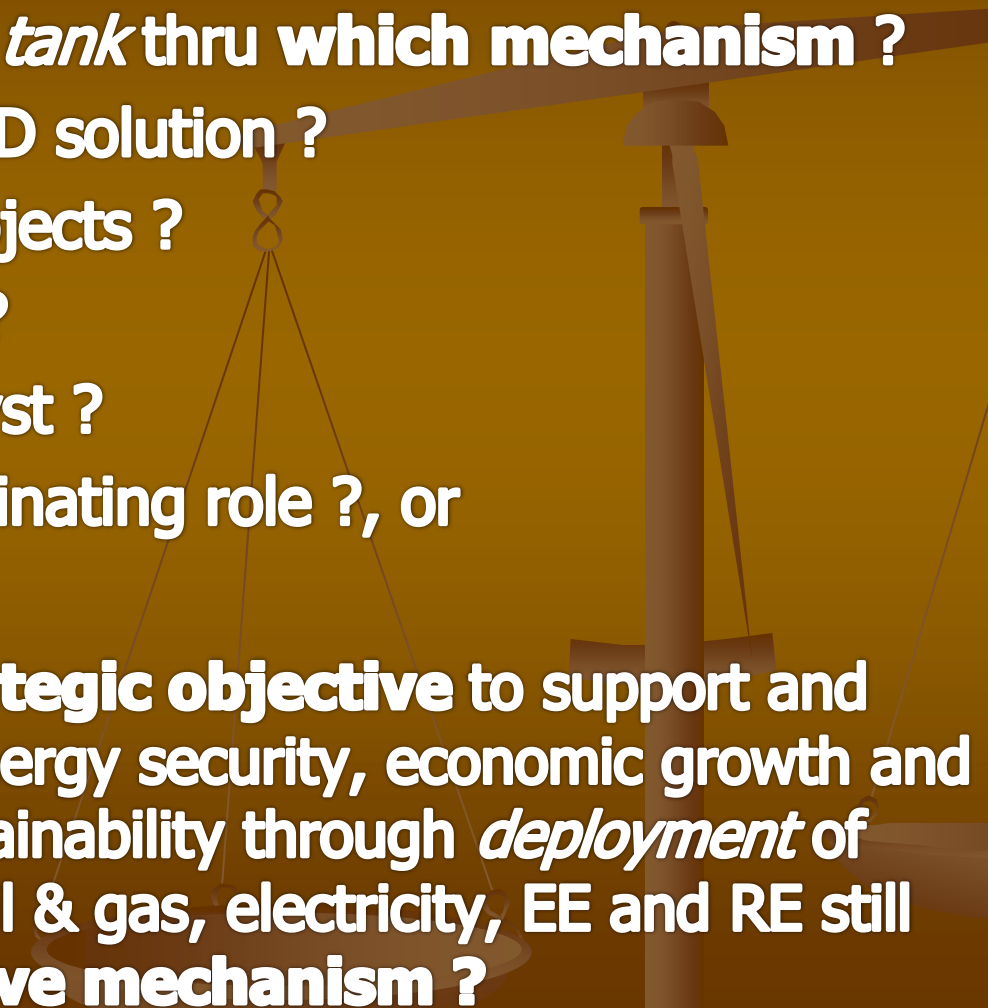
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Questions to be addressed for Future APERC Cooperative Activities

- ◆ APERC still maintain role as APEC Energy *think tank* ?
 - ◆ If yes, being *think tank* thru **which mechanism** ?
 - ◆ Innovative R & D solution ?
 - ◆ Cooperative projects ?
 - ◆ Basic research ?
 - ◆ Technical catalyst ?
 - ◆ Technical coordinating role ?, or
 - ◆ All above ?
 - ◆ Does APERC's **strategic objective** to support and promote APEC's energy security, economic growth and environmental sustainability through *deployment* of R&D solutions on oil & gas, electricity, EE and RE still **needs all the above mechanism** ?
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Cooperative activities in which APERC has played a key role.

- **Peer Review on Energy Efficiency (PREE)**
 - **Cooperative Energy Efficiency Design for Sustainability (CEEDS)**
 - **Peer Review on Low Carbon Energy (PRLCE)**
 - **Low Carbon Model Town (LCMT)**
 - ***APEC Energy Overview***
 - ***Compendium of Energy Efficiency Policies of APEC Economies***
 - ***Follow-Up PREE***
 - **LNG Producer-Consumer Conference, and Oil and Gas Security Exercises.**
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Main objectives of conducting APERC Cooperative Activities:

- Encourage APEC economies to individually **set goals** and **formulate action plans** to achieve these goals as agreed in the Ministerial and Leaders Declarations.
 - Update *in-depth* data (*'first-layer data'*) directly from the Economies
 - Enhance and maintain 'networking' and 'outreaching' among APEC economies for smoother cooperation where APERC can act as '*neutrally-central point*'
 - Dispatch APEC experts from developed economies to assist *interested* economies in developing policies that support national energy objectives while producing effective recommendations
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Are there *gaps* in APERC's cooperative activities where new initiatives could have value?

- In practical, there shouldn't be gap between research initiatives & cooperative activities. These two activities should go *hand-in-hand*.
- In fact, cooperative activities should be a '*front window*' of the research work where its findings from the real world should support and confirm the solution or outcome from modeling/research work.
- It really depends on the *right proportion* of the effort and contribution APERC staff could put in, say, 20-30% on *cooperative projects* & 70-80% on its *flagship research & publications*.

Are there *gaps* in APERC's cooperative activities where new initiatives could have value?_(cont.)

- Research initiatives give *innovation* and breakthrough. Cooperative activities take into account *some* of innovation and/or breakthrough, scrutinize them and bring them into **action** with good **recommendations**.
- We need to find a '*right mix*' of deliverables of both types, given some constraints e.g. *manpower (researchers)*, available *time of contribution*, (*urgent*) request from EWG and/or EMM, etc.

How could APERC's cooperative activities be restructured to deliver the most value given APERC's staff limitations?

- Major successful cooperative projects e.g. PREE after its full coverage may need to be restructured to make it more *précised* and *focused* or more *in-depth*.
- It is recommended that the conduct of in-coming cooperative projects focus on *niche* areas, not on a *business as usual* with too broad areas.
- Given APERC's staff constraint, cooperative projects may need to be reduced in size. APERC, as an APEC's *neural body*, may put its future focus on *monitoring & evaluation* procedure with an *effective follow up* process to support any progress and successful implementation of the Economies' goals & action plan as commended by the Leaders.

Proposed APERC Tasks

1) Conduct studies & innovative R&D Solutions on

- **Policy Research/Analysis** 50%
- **Feasibility Study** 20%
- **In-depth Research (“Niche” R&D)** 10%
- **Cooperative Projects&Activities** 20%

2) Set up **Energy Database & Information** per Economy

3) Create **Research Network** linking *industries-government-academics-civil societies & individuals* engaged in research & capacity building APEC-wide

4) Monitor & evaluate APEC’s **Goals** and **Action Plan** set by Ministers and Leaders with good recommendations

Conclusion



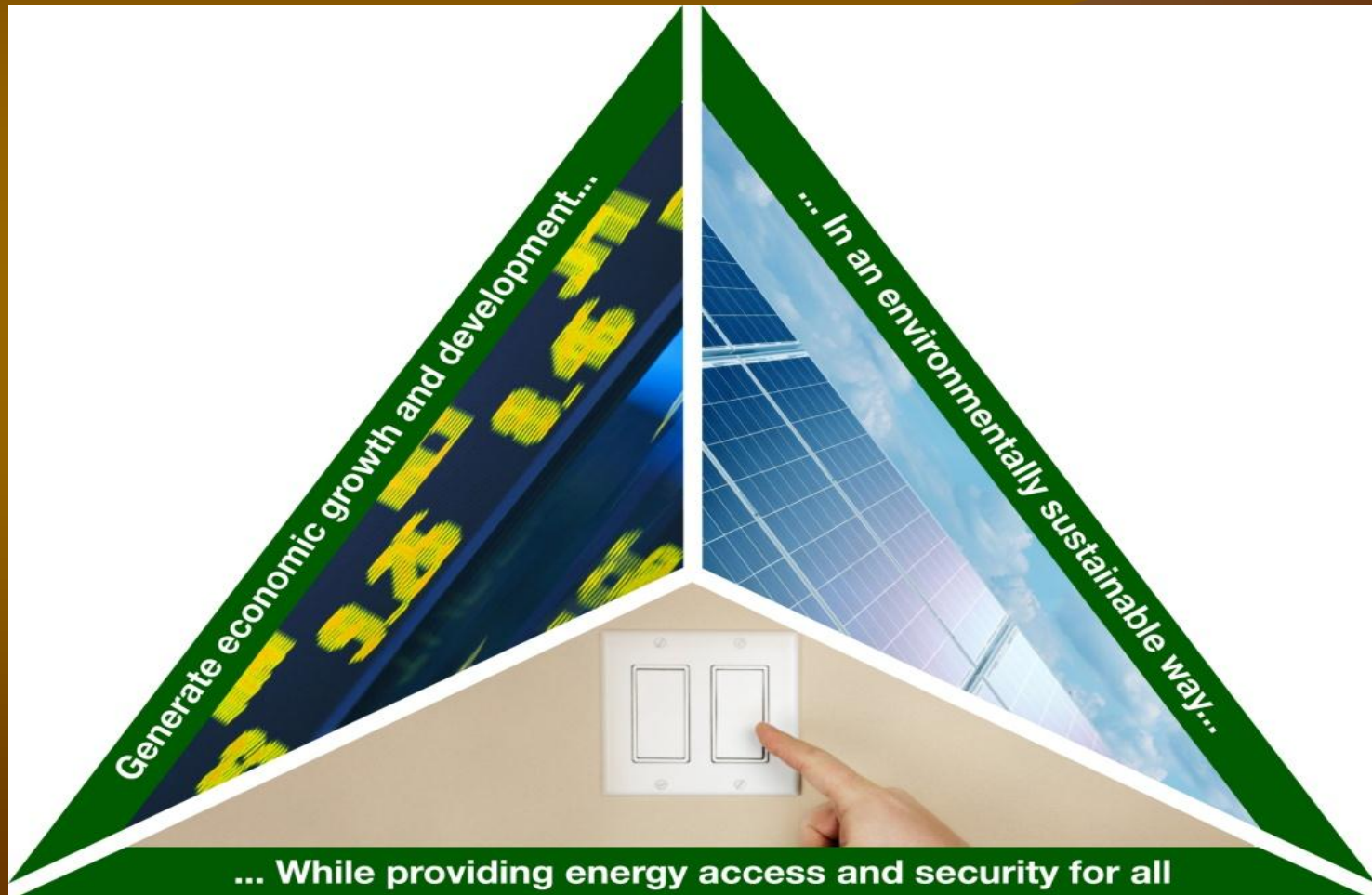
Commitments towards a more secure, sustainable and competitive energy future..

A **task** to generate *economic growth* and *development* in an *environmentally sustainable way*, while provide energy *access and security* for APEC.....

calls for the **crucial roles of APERC.**

New Energy Future of the “*Energy Triangle*”:
Economic Growth & Development, Environmental Sustainability, and Energy Access & Security

New Energy Future: *more efficient & sustainable*



Conclusion (cont.)

Towards *ASEAN Economic Community (AEC) 2015*, the *challenges* would be:

- ❑ “How well APEC’s **current** energy situation is performing to underpin the region’s economic growth, energy security, and sustainability needs?”
- ❑ “How APEC’s energy **plans and priorities** are driving changes towards national energy plan & improvement, and
- ❑ What are the **options and priority actions** to drive APEC’s economy to achieve its goals in 2035?”

Way Forwards

For Future Successful APERC Cooperative Activities, APERC may wish to

- set up an *Energy Cooperative Project Team* led by 1 Senior Researcher and 1-2 Research Coordinators to work with APEC experts to carry out the projects, **detached from core research team.**
- utilize the Core Researcher Team **at minimum** - just only to supervise the activities and give recommendations
- conduct the activities **upon request** through EWG
- synergize thru the **joint projects** with interested economies to assure that their energy action plan are well undertaken and all targets are achieved

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Thank You

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