

Data collection in Cambodia: where are we now, and where are we going?

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EAC's duties in data collection

- To review the financial activities which affect the operation of the power sector and the efficiency of electricity supply;
- To approve and enforce a uniform system of accounts for all licensees;
- To prepare and publish reports of power sector for the benefit of the Government and the public interest
- To evaluate and resolve consumer complaints and contract disputes involving licensees



What data we collect

To comply with EAC regulation, Licensees have to submit the following reports EAC :

1. Operation summary report : quarterly (submit no later than 10 days after each quarter)
2. Financial activities report : annually (submit before 31 March)
3. Next year grid extension and power consumption plan
4. Report within context of the performance standard(Not yet implemented by EAC)



What data we collect (cont)

1. Operation summary report: quarterly (submit no later than 10 days after each quarter)

- Generation facilities (Install capacity)
- Energy Generated
- Distribution facilities
- Energy sold to consumer or other licensees
- Energy purchased
- Updated electrified village in License Zone



What data we collect (cont)

2. Financial activities report: annually (submit before 31 March of next year)

- Energy generation and cost
- Energy purchase and cost
- Energy sold and revenue
- Administration cost
- System maintenance cost
- Operation cost
- Loan information
- Fixed Asset and depreciation



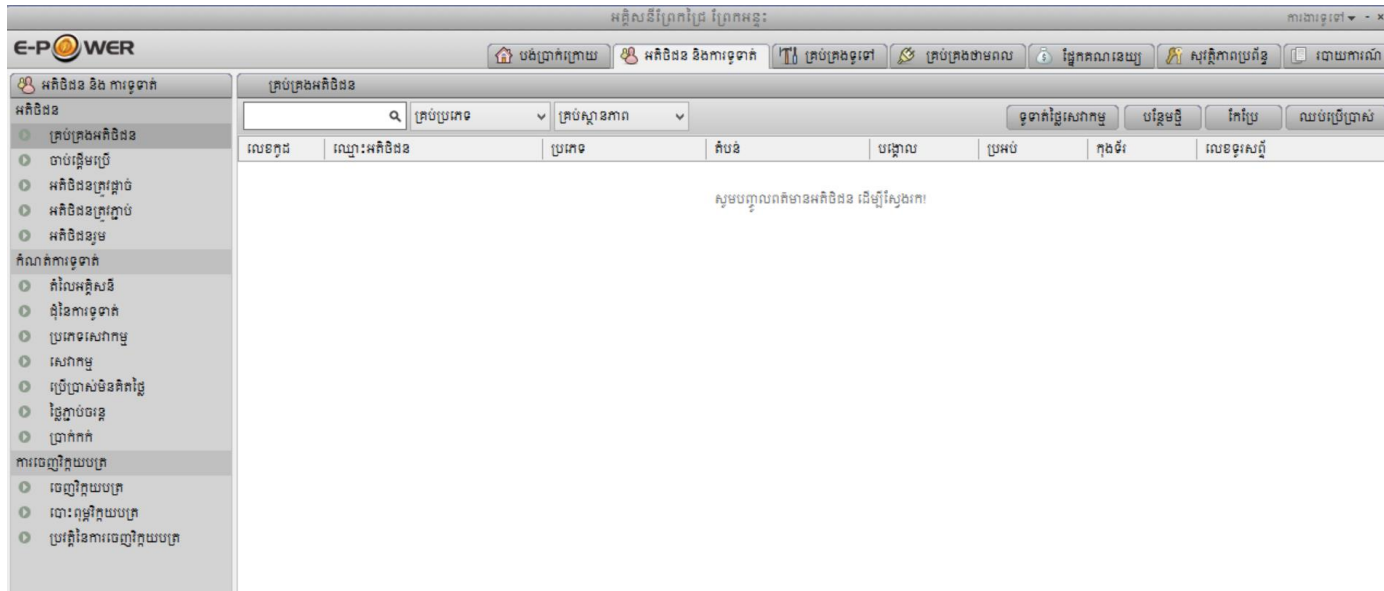
What are obstacles in data collection

- Limitation of licensee's knowledge to prepare all reports
- Licensees can not effort to hire staffs who accountable for reporting
- Licensees have to send report in hard copy to EAC office
- Licensees mean to hide some data
 - Make up the figure of system loss in order to pay less income tax
 - Rewrite data to satisfy EAC



How we enforce a uniform system

- In 2011, we cooperated with a local software company to deploy a unified Billing system to all licensees
- In 2012, add operation summary report feature to the system
- In 2014 and 2015, add financial activities report feature
- 90% of all licensees using this system



អគ្គសនី ផ្សារកំពង់ប្រៃ

ផ្សារ កំពង់ប្រៃ ភូមិ កំពង់ប្រៃ ឃុំ ស្មោង ស្រុក ទ្រាំង ខេត្ត តាកែវ
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អតិថិជន 000027

សំ ណែ

ភូមិកំពង់ប្រៃ ឃុំស្មោង

ថ្ងៃចាប់ផ្តើមទទួលប្រាក់ : 31-07-2015

លេខវិក្កយបត្រ INVOICE INV1507-000064
ថ្ងៃចេញ INVOICE DATE 31-07-2015
តំបន់ AREA AA
លេខប្រអប់ BOX NO AA004A
គិតចាប់ពីថ្ងៃទី FROM 01-07-2015
ដល់ថ្ងៃទី TO 31-07-2015
កំណង AMPARE 10A

លេខកុងទ័រ METER	អំណានចាស់ PREVIOUS	អំណានថ្មី CURRENT	មេគុណ MULTIPLY	ថាមពល CONSUMPTION	តំលៃឯកតា RATE	តំលៃសរុប AMOUNT
ប្រាក់ជំពាក់ពេលមុន Balance brought forward . រ						69,150
28-07-2015 ប្រាក់បានទទួល Payment Receive - THANK YOU . រ						10,000
ជំពាក់សរុបនៅថ្ងៃធ្វើវិក្កយបត្រ Balance as at billing date . រ						59,150
11204078	1208	1251	1	43		
	0	43		43	950 រ	40,850
ប្រវត្តិនៃការប្រើប្រាស់អគ្គីសនីក្នុងឆ្នាំ 2014 ៖						
-ការប្រើប្រាស់ ៖ ច្រើនបំផុត 57គម៉ែ, តិចបំផុត 18គម៉ែ, មធ្យមប្រចាំឆ្នាំ 32គម៉ែ						
-ការប្រើប្រាស់ក្នុងខែក្តៅ ៖ មីនា 18គម៉ែ, មេសា 49គម៉ែ, ឧសភា 50គម៉ែ, មិថុនា 38គម៉ែ						
បំណុលសរុប TOTAL BALANCE រ						100,000
ចំណាំ						
* ប្រាក់បង់ប្រាក់ដែលបានកំណត់នេះ ក្នុងករណីអតិថិជន						
ពុំបានបង់ប្រាក់ក្រុមហ៊ុននិងក្រុមការប្រើប្រាស់។						
* ការប្រាក់បង់ប្រាក់ លុះត្រាតែអតិថិជនបានទូទាត់បំណុលសរុបក្នុងវិក្កយបត្រនេះ និង						
សេវាកម្មបានបញ្ចប់ហើយ។						
* សូមអញ្ជើញមកបង់ប្រាក់ប្រចាំខែនៅការិយាល័យរបស់ក្រុមហ៊ុន។						
ប្រាក់ត្រូវបង់ TOTAL DUE រ						100,000
ថ្ងៃផុតកំណត់ DUE DATE						07-08-2015
ថ្ងៃបង់ប្រាក់ PAY DATE						
ប្រាក់បានបង់ PAY AMOUNT						

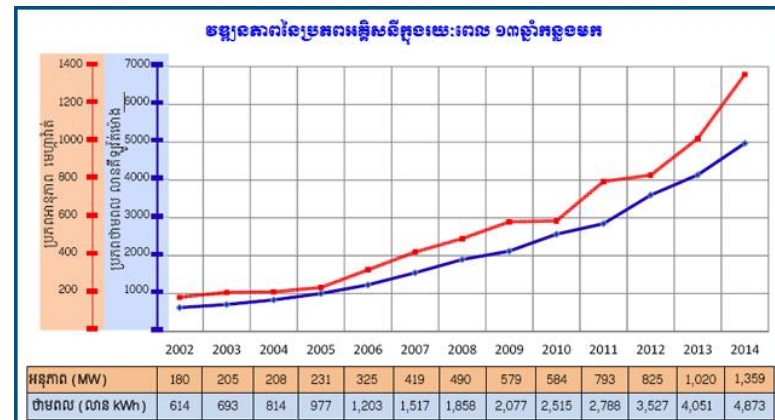
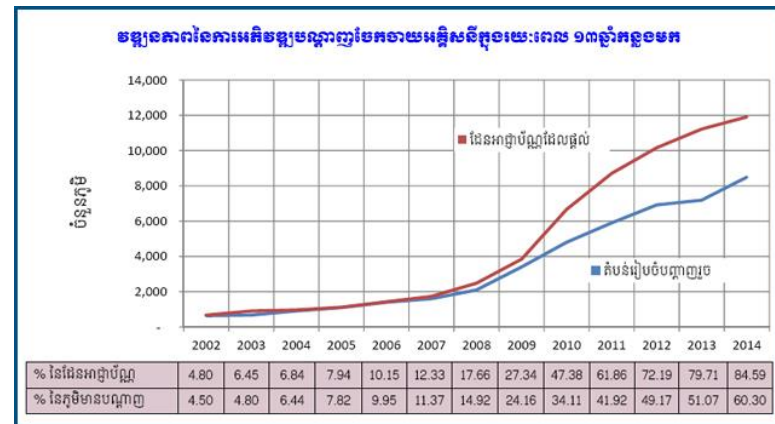
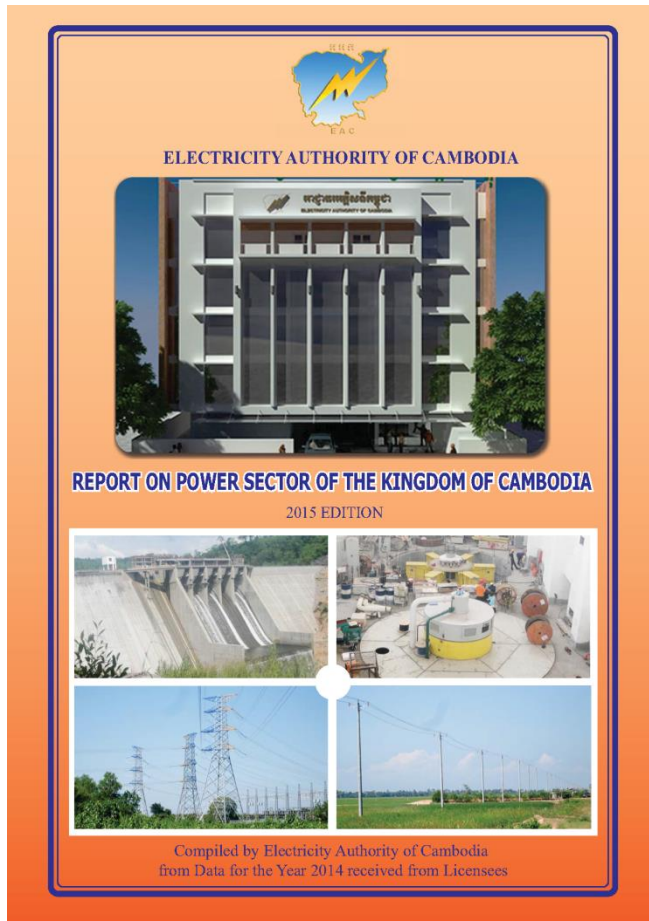
វិក្កយបត្រ		ប្រាក់ត្រូវបង់ TOTAL DUE រ	100,000
អតិថិជន	ខែ 07 ឆ្នាំ 2015 - INV1507-000064	ថ្ងៃបង់ប្រាក់ PAY DATE	
លេខប្រអប់	000027 សំ ណែ	ប្រាក់បានបង់ PAY AMOUNT	
លេខកុងទ័រ	ភូមិកំពង់ប្រៃ ឃុំស្មោង	អ្នកទទួលប្រាក់ RECEIVER	
	AA004A		
	11204078		

What are outputs of those data

- Annual power sector report of Cambodia
- To monitor the progress with government strategic goal
 - all villages have access to electricity of any type by the year 2020
 - at least 70 % of all households have access to grid quality electricity by the year 2030
- As Result
 - Nearly 65% of all villages have access to electricity
 - 48% of all households have access to electricity



What are outputs of those data

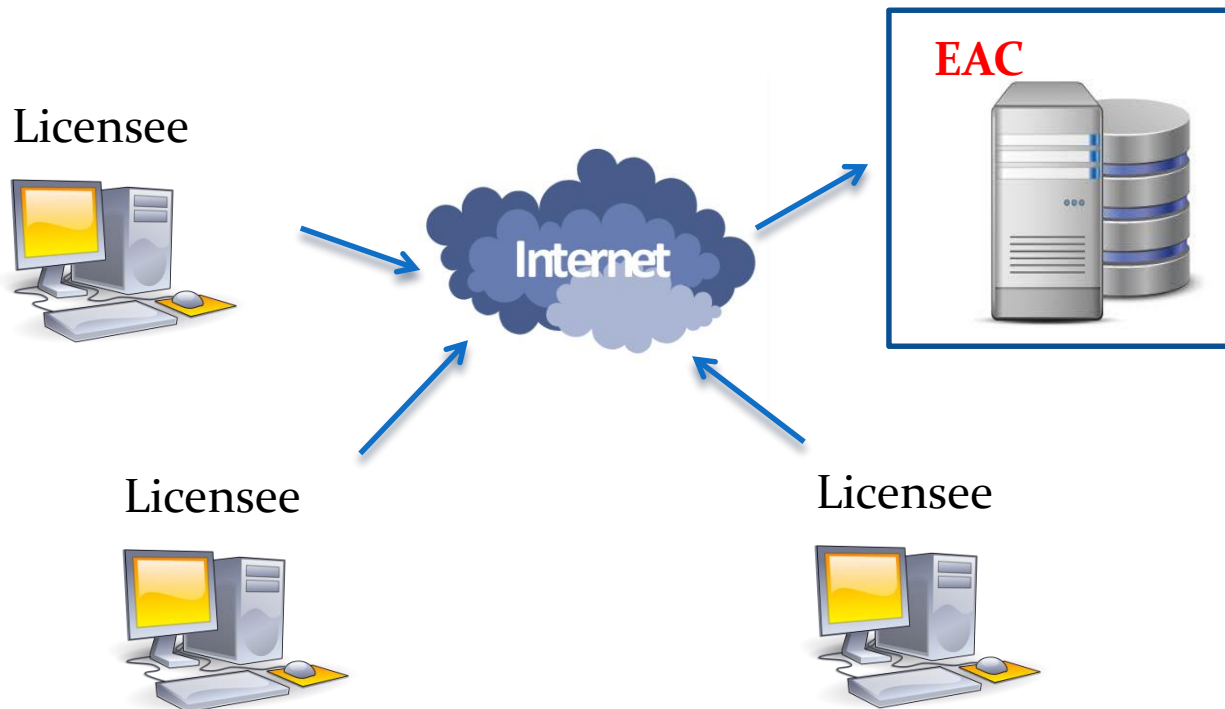


What might happen in the future

- Add modules in context of the performance standard on the existing system
 - System for licensees
 - EAC's Internal system
- Integrate all licensee system with EAC internal system
In order to collect data online



Integrate all licensee's system with EAC internal system



Penalties for refusal to cooperate

- Reject due to the request of license zone extension
- Reject or reduce some license term when licensee request
- Subsidy for only licensees that provide sufficient fixed asset record (Tariff uniform policy)



Thank you

