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Clean Energy – Updates, Challenges and Opportunities

Nadia Soraya | 17 December 2019



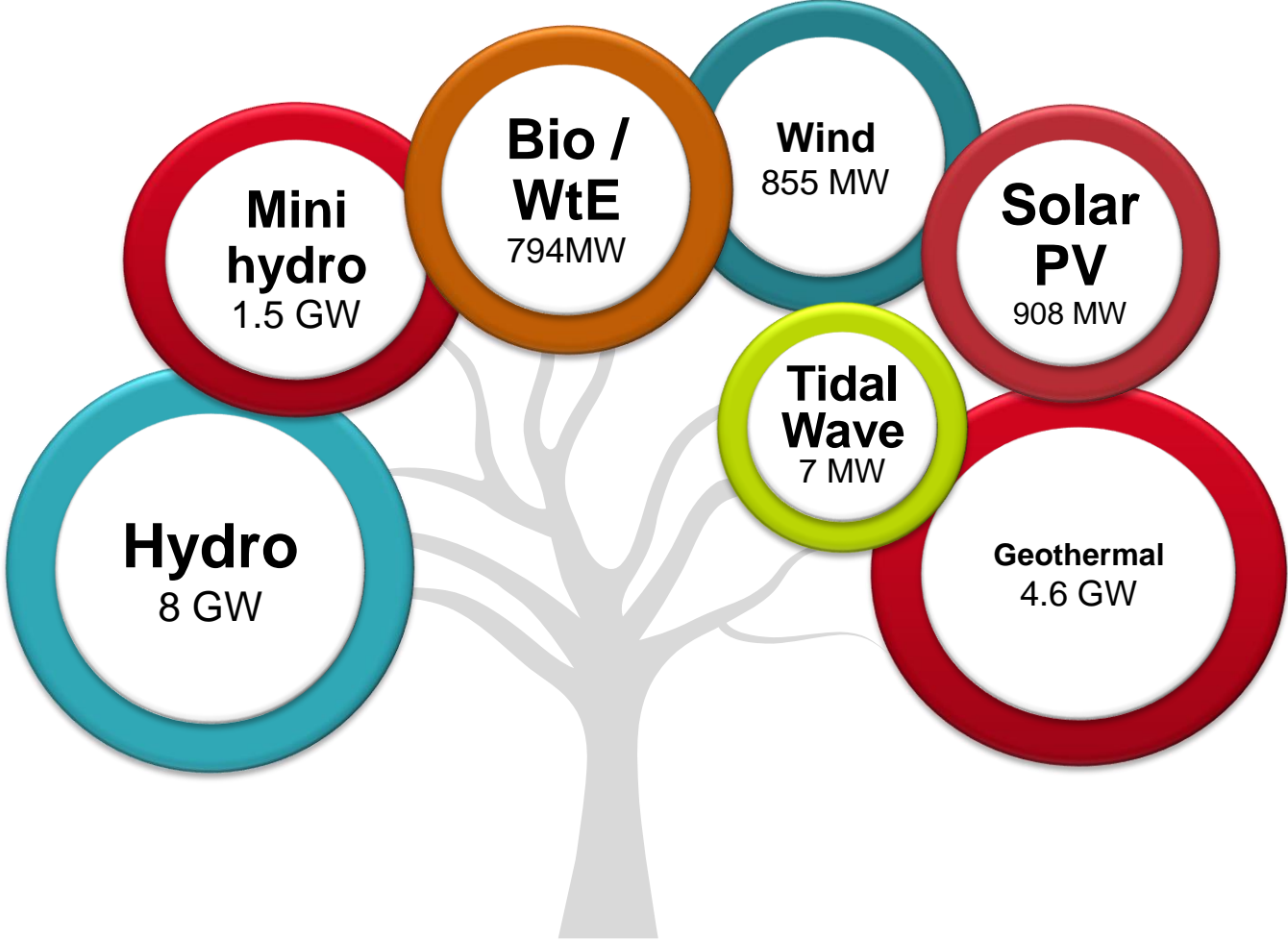
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2019: Updates

23%

Renewable Energy Target by 2025

Renewable Targets in PLN's RUPTL 2019 – 2028



Updates - 2019

January:
2nd renewable
DPT process

June:
result announced

**March: Bali solar
projects were
tendered**

**August: PerPres
55/2019 – Battery
Electric Vehicle**

**September:
Rooftop Solar - Ijin
Operasi & SLO for
> 500 kVA**

**October:
Rooftop Solar -
capacity charge
lowered**

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2019: Regulatory Challenges

Challenges PPAs: bankability issues

NEWS > BUSINESS

Dozens of renewable energy projects yet to receive financing

News Desk

The Jakarta Post

Jakarta / Mon, July 15, 2019 / 04:17 pm



Solar panels installed on Ponelo Island, Gorontalo province. (thejakartapost.com/Syamsul Huda)

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SHARES

Many renewable energy projects approved by the government are still uncertain as many have so far failed to attract investors.

The Energy and Mineral Resources Ministry's diversified energy drive is said to be one of the 75 projects that had power purchase agreements (PPAs); eight had started commercial operations.

Meanwhile, 35 projects are still under construction, 30 are in the pre-financing stage, 21 projects are in progress and two have been terminated.



19 Proyek Listrik Energi Baru Terbarukan Terancam Mangkrak

CNN Indonesia | Selasa, 15/10/2019 07:23 WIB

Bagikan :  



Ilustrasi. (ANTARA FOTO/Okky Lukmansyah).

Jakarta, CNN Indonesia -- Kementerian Energi dan Sumber Daya Mineral (ESDM) menyatakan masih ada 19 proyek pembangkit listrik Energi Baru Terbarukan (EBT) yang masih belum mendapatkan sumber pendanaan untuk pembiayaan proyek.

Sebanyak 19 proyek ini merupakan bagian dari 70 lainnya yang sebelumnya terancam mangkrak. Diketahui, sepanjang tahun lalu terdapat 70 penandatanganan perjanjian jual-beli listrik (power purchase agreement/PPA) EBT antara PT PLN (Persero) dengan kontraktor swasta (independent power producer/IPP).

Home > Ekonomi > Energi & Tambang

23 Proyek Pembangkit Energi Terbarukan Terancam Diterminasi

Sebanyak 23 proyek pembangkit listrik tenaga minihidro (PLTM) maupun mikrohidro (PLTMH) yang masuk dalam kontrak jual beli listrik (power purchase agreement/PPA) 2017—2018 terancam mengalami terminasi atau pemutusan kontrak.



Ni Putu Eka Wiratmini - Bisnis.com
02 Oktober 2019 | 10:43 WIB



PLTA yang masih beroperasi mengalirkan listrik untuk warga Bandung dan sekitarnya. - JIB/Rachman

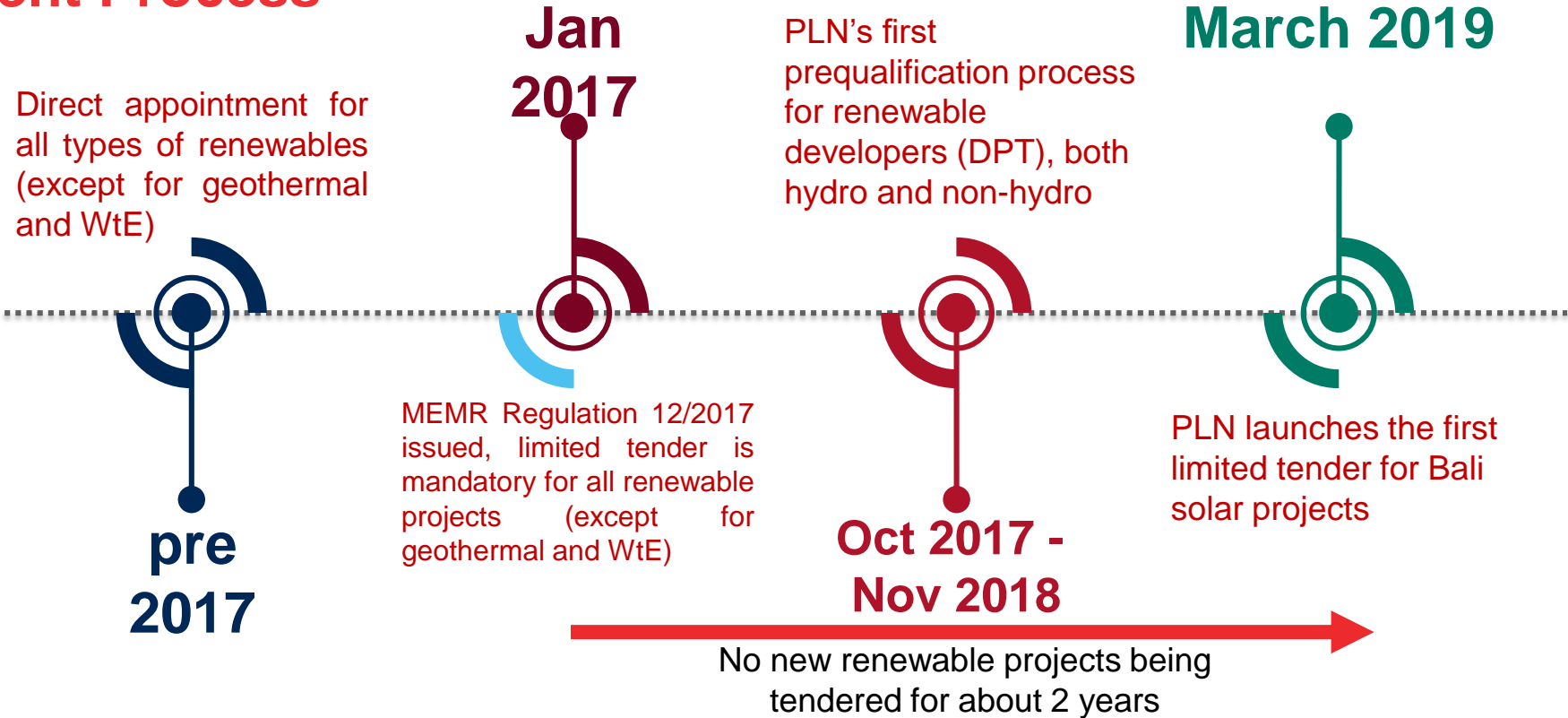
JAKARTA — Sebanyak 23 proyek pembangkit listrik tenaga minihidro (PLTM) maupun mikrohidro (PLTMH) yang masuk dalam kontrak jual beli listrik (power purchase agreement/PPA) 2017—2018 terancam mengalami terminasi atau pemutusan kontrak.

Asosiasi Pengembang Pembangkit Listrik Tenaga Air (APPLTA) Riza Husni mengatakan sebanyak 23 pembangkit listrik tenaga minihidro (PLTM) dengan kapasitas 1 megawatt (MW) tersebut hasil studinya tidak layak secara bisnis apabila dilanjutkan.

Regulatory issues

remains the same with previous years:

Procurement Process



Regulatory issues

remains the same with previous years:

Tariff determination

Tariff is determined based on PLN's BPP

BPP:
PLN's costs in procuring power from different systems in previous year

For renewable:
must "compete" with coal etc

Local BPP > National BPP

* max 85% of local BPP: solar, biomass, biogas, tidal

* max 100% of local BPP: WtE (ex. 12 cities), hydro, geothermal

Local BPP \leq National BPP:
Negotiation

Regulatory issues:

Solar C&I:

PLN must approve design prior to construction

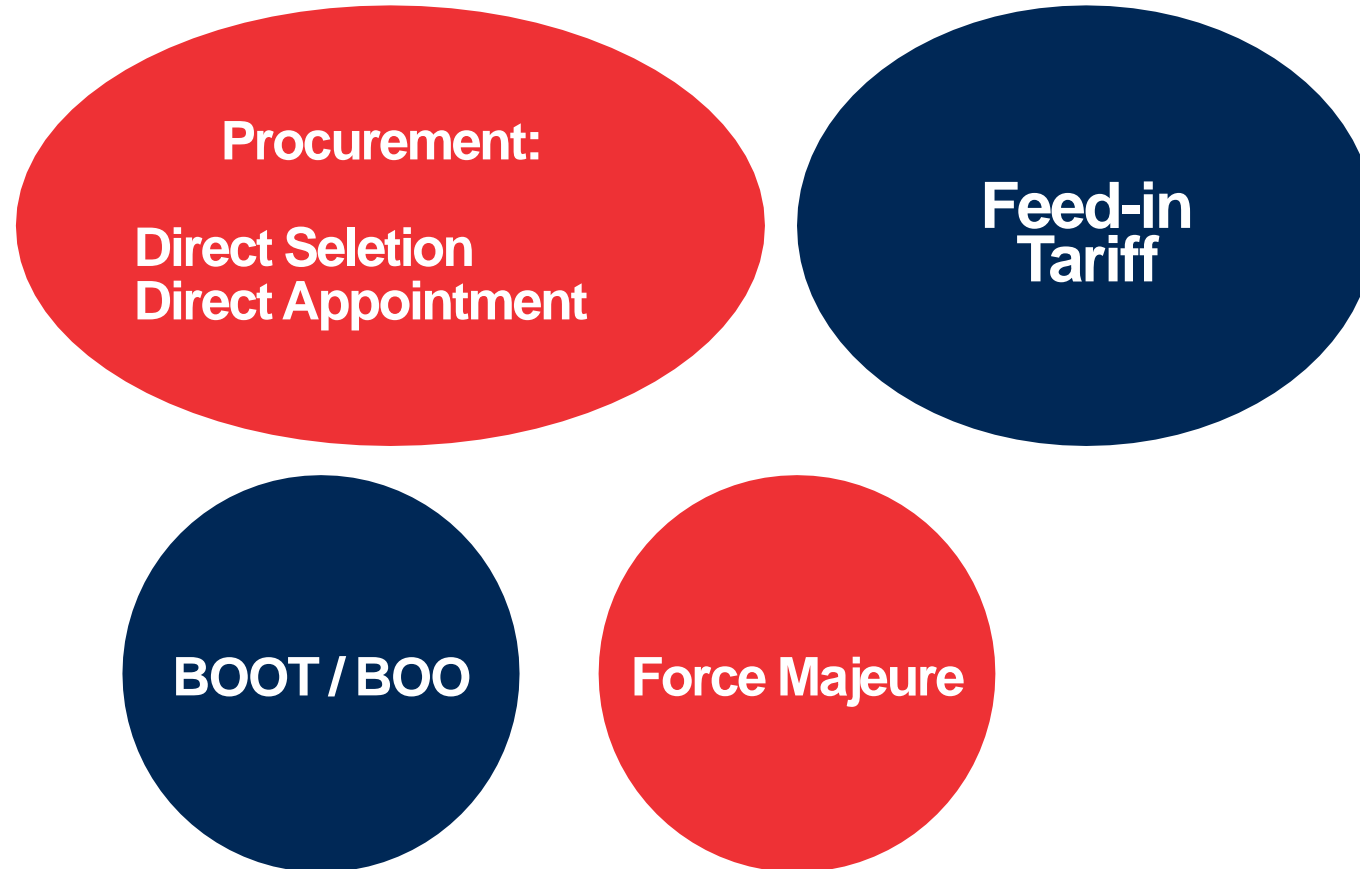
Maximum 100% of connected capacity

- **Capacity charge** – good news: has been lowered from 40 hours to 5 hours

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2020: Opportunities

Upcoming Presidential Regulation





Nadia Soraya

Partner

(T) +62 21 2960 8541

nadia.soraya@bakermckenzie.com

Nadia is a Partner in the Finance & Projects Practice Group with many years of experience handling a wide range of finance and corporate transactions including project finance, general banking and finance, and mergers and acquisitions. Her main industry sectors are energy, natural resources and infrastructure. Nadia has particular expertise in the power and oil and gas sectors where she has advised on a number of significant project financing transactions, acting for project developers, state-owned enterprises, contractors and lenders.

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