



Distributed Energy Management: Monitoring and Control

September | 2020

BULLETIN

FutureBridge



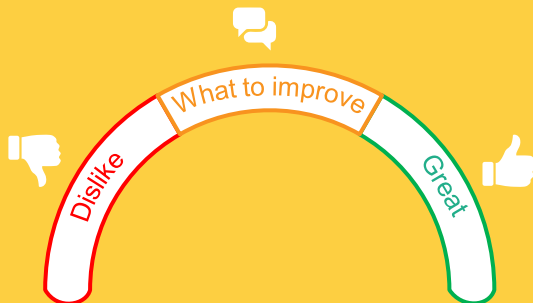
THEMES AND KEY TAKEAWAYS IN July Bulletin

01 Top highlights of September

02 Spotlight

03 Feedback

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Themes covered in this scope

Top highlights in September

- In India, TANTRANSCO selected Smarter Grid Solutions (SGS) to optimize and manage the high penetration of DERs.
- AGL Energy expanded its solar battery VPP to Queensland, New South Wales and Victoria.
- ARENA issued AUS\$ 8.2 million funding for the development of VPP to Tesla Motors in Australia.

Spotlight

- AGL's VPP for eastern states in Australia

Key Takeaways

- National Grid is exploring the abilities of DERMS platform beyond integration of DERs under 'bring your own device' (BYOD) programs. It will use the platform's enrollment, forecast-based dispatch and reporting and settlement capabilities for its C&I resources.
- Residential Virtual Power Plant (VPP) continues to grow in Australia, after successfully operating residential VPP in Adelaide since 2018, AGL announced a further expansion of its VPP with the launch of solar battery sales and installations for residential customers in Queensland, New South Wales and Victoria.



“As rooftop solar and home battery storage increases in Australia in the coming decades, virtual power plants potentially have an important role to play in harnessing distributed energy in a way that maximizes the benefit to the customer as well as the electricity system as a whole.”

- Darren Miller,
CEO, ARENA

07 September 2020

ARENA issued AUS\$ 8.2 million funding for the development of VPP to Tesla Motors Australia

ARENA



- The Australian Renewable Energy Agency (ARENA) has issued AUS\$8.2 million in funding for the development of the country's largest VPP planned in South Australia (SA).

Additionally, this pilot project will receive \$10 million in funding from the South Australian Government's Grid-Scale Storage Fund, \$30 million debt finance from the Clean Energy Finance Corporation, and an \$18 million equity contribution from Tesla.

Tesla Motors Australia will install 5kW of rooftop solar and a 13.5kWh Powerwall battery system at each property, at no cost to the tenant for 3000 residential consumers.

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14 September 2020

AMMP Technologies raised €1.15 million to scale up software solution for renewable energy operators in emerging markets



- AMMP Technologies, based in Amsterdam, has raised €1.15 (\$1.36) million to scale up its software solution for renewable energy operators in emerging markets.

The seed funding round was led by Point Nine Capital with Raba Partnership and Musha Ventures.

AMMP Technologies offers software as a service (SaaS) for the real-time operations of distributed renewable and hybrid energy systems.

With the new capital, AMMP Technologies aims to expand its customer footprint by vendor integrations and partnerships while continuously developing its solutions targeted at energy for telecoms infrastructure.

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“The pilot is an important step in maximizing renewable energy uptake by the grid, and realizing the full benefit of renewable energy for electricity companies, project developers and communities.”

- Dr. Uma Rajarathnam,
Vice President and global head
Enzen

15 September 2020

National Grid to use EnergyHub's Mercury DERMS for residential and C&I customers in the US

nationalgrid 

- **National Grid to use the Mercury DERMS platform's enrollment, forecast-based dispatch and reporting and settlement capabilities for its C&I resources.**

In 2018 National Grid integrated its 'bring your own device' (BYOD) programs on the Mercury DERMS. National Grid's C&I program has 13 aggregators and over 900 individual sites in Massachusetts, New York, and Rhode Island representing over 400MW of load reduction capacity. Through its residential BYOD program, National Grid has enrolled ~30,000 thermostats and 1,000+ batteries.

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30 September 2020

TANTRANSCO selected Smarter Grid Solutions (SGS) to optimize the management DERs in India



**smarter
grid**solutions

- **Indian utility TANTRANSCO selected Enzen and Smarter Grid Solutions (SGS) to optimize the management of its DERs. TANTRANSCO will leverage the technology to minimize renewable energy curtailment and improve system balancing in near-real-time.**

The contract is India's first Active Network Management (ANM) deal and it will enable TANTRANSCO in managing one of the largest and most diverse renewable resources integration across its transmission network.

ANM is a key component for a smart grid. It manages existing and new flexible network-connected devices autonomously to increase the overall grid stability.

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25 September 2020

AGL Energy expanded its solar battery VPP to Queensland, New South Wales and Victoria



- **AGL Energy has announced the expansion of its Virtual Power Plant (VPP) through the launch of solar battery sales and installations for residents of Queensland, New South Wales (NSW), and Victoria.**

The customers in Queensland, NSW, and Victoria will be able to buy Tesla batteries or LG Chem batteries with SolarEdge hardware at discounted prices if they join AGL's VPP program.

The future of energy in Australia is renewable resource based that is backed by flexible energy storage. Rooftop solar, batteries, EVs, and the orchestration that supports virtual power plants are part of this transition.

Read this story 

SPOTLIGHT



AGL announced a further expansion of its Virtual Power Plant with the launch of solar battery sales and installations for residential customers in Queensland, New South Wales and Victoria.

AGL's VPP program started in 2016 in Adelaide with network connected solar batteries to provide energy when the grid needs it.

AGL's solar battery VPP for eastern states in Australia



Why choose a solar battery?



- Save up to \$1,000 on the upfront battery cost: Join AGL's VPP for five years and get up to \$1,000 off.
- Help your environment and community: VPP is helping to build a cleaner, more reliable energy system for the future. Plus, it's putting downward pressure on energy prices.
- Monitor your power and bill: Check the performance of your solar and battery system, and keep an eye on your energy bill.

Power your home at night | Lower your energy bills | Power back-up

Available solar battery options

Under AGL's solar battery VPP, customers can opt two ways to buy a battery: buy the solar battery outright, or spread the cost over 5 years, paying from \$177 a month when connected to the VPP.

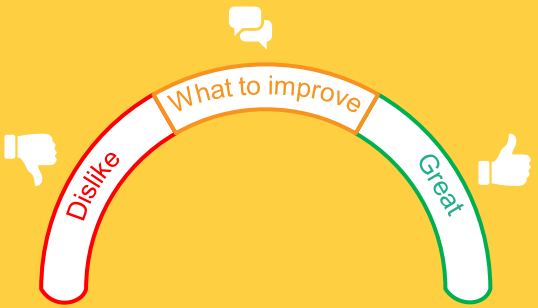


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