Adani Green Energy
Adani in Australia

- **Rugby Run Solar Farm**: 65MW solar farm with capacity to increase to 170MW. Phase 1 fully operational early 2019.

- **Carmichael Rail**: 200km rail line to transfer coal to the port. Capacity to carry up to 40MTPA.

- **Abbot Point Terminal**: Natural deep water port 30km north of Bowen. Multi-user port exporting coal from various Bowen Basin mines.

- **Whyalla Solar Farm**: 140MW solar farm proposed for Whyalla.

- **Carmichael Mine**: 10 million tonne per annum coal mine in the North Galilee Basin.

- **Townsville HQ**: Adani’s regional headquarters opened in 2017.
Marginal loss factors

Intended purpose

- Economical dispatch of generation
- Efficient spot pricing signal
- Locational signalling
- Ensure market neutrality between locations and participants
Marginal loss factors

What are losses and why have “marginal” losses?

Generator output = 103 MW

Loss on transmission line = 3 MW

Resistance of transmission line (R)

Load Connection Point

Load = 100 MW
Marginal loss factors

Issues with the current arrangements

• Approximation of actual losses
• Trending higher inaccuracies
• Allocation of Intra Regional Settlement Residues (IRSR)
Marginal loss factors

Suggested improvements

• Rule change applications submitted Dec 18 and Feb 19
• Allocation of Intra Regional Settlement Residues (IRSR) to include generators
• Move to from marginal losses to compressed losses
• Dynamic losses or actual losses