

## Indigenous Essential Services Deemed Load Profile Consultation Feedback Assessment

**This document is a summary of issues raised in submission and organisation represented in stakeholder consultation process.**

Submissions were received from the following stakeholders:

- Jacana Energy
- Territory Generation

It should be noted that the responses provided in this document are made by Power and Water Corporation in respect to its Market Operator function as per the System Control Technical Code. Issues that relate to non-Market Operator functions such as Network Service Provision have not been addressed and should be raised external to this process.

The following table contains the issues raised by Market Participants during the consultation process and the corresponding response from the Market Operator.

Ref #	Clause/Concern	Stakeholder	Issue	Market Operator Response
<b>Feedback</b>				
1	Statistical Interval Meters	Jacana Energy	<p>Are the Statistical Interval Meters calibrated and compliant revenue class meters?</p> <p>If yes, when were they calibrated and is the initial load profile used for settlements based on the period pre or post calibration?</p> <p>If the meters are not revenue standard calibrated meters then this should be rectified as soon as possible. (1.2.i)</p>	<p>The bulk statistical meters are revenue class meters and maintained to the same standard as customer interval meters. Any further queries regarding calibration should be directed to the Network Provider for clarification / action.</p>
2	Community Load Profiles	Jacana Energy	<p>How similar are the load profiles for each community?</p> <p>What comparisons are made between communities with interval meters, and what is the expected accuracy of correlation to those communities without interval meters? (1.2.ii)</p>	<p>A comparison of load profiles across IES Communities is not required as part of the deemed load profile methodology. For specific community information please contact IES.</p>
3	Load Profile on non-statistical communities	Jacana Energy	<p>Can a quarterly load profile be applied to quarterly data for non-statistical communities, rather than a proportion into months? (1.2.iii)</p>	<p>A monthly profile is needed for the settlements process. The methodology can be based on annual or quarterly accumulation readings. Both approaches involve compromises. The 'annual reading window' approach has the advantage of being intuitively aligned to the settlements period and consequently is a simpler calculation. The quarterly reading approach is complicated by the lack of availability of quarterly bulk meter data for any one settlements period.</p>

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4	Load Profile	Jacana Energy	It is assumed that the load profile is always the latest, which is for the actual month in question and not for the same period the previous year, please confirm. (1.2.iv)	Correct. The load profile is set by the monthly readings of the bulk statistical meters in the month of the settlements period. For example, a June settlements period would use the June bulk statistical meter data.
5	Page 3 - <i>...subtracted from the total electricity produced by generators in the Darwin-Katherine power system.</i>	Territory Generation	Propose to replace produced with sent-out.	Procedure amended to incorporate comment.
5	Page 4 – <i>Rather, planning should be instigated to install statistical interval meters at the entry points for each of these communities.</i>	Territory Generation	What is the estimated timeframe for the installation of IES statistic interval meters?	Whilst the Market Operator agrees that full interval metering is the optimal solution, the decision to upgrade the bulk metering points is a decision for IES and the Network Provider.  It is noted that 4 IES Communities now have bulk statistical interval meters. It is planned for a 5 <sup>th</sup> community to have a bulk statistical interval meter installed by end of August 2015. Once this is completed approx. 90% of the Darwin-Katherine IES load will be bulk interval metered.
6	Reconciliations	Jacana Energy	What reconciliations have been carried out on the IES communities with an interval boundary meter to assess the level of losses – electrical and non-electrical in each community and over how many years of historical data?  What is the correlation year to year? (1.2.v)	No reconciliations have been carried out on IES Communities with and without bulk interval meters by the Market Operator to date. This is not required for the deemed load profile methodology. Please refer this question to IES for clarification.

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<b>General Comments</b>				
7	Accuracy of deeming profile	Jacana Energy	There is a need for greater understanding of the accuracy in the proposed deeming profile for IES communities.	A deemed load profile by its very nature is an estimate. The proportioning from a single value to a set of trading intervals is as accurate as the underlying source data. The source data in this case is the interval meter readings of related communities. There is no known better source of data to use as the profile source. Note that the deemed profile only applies to communities who don't have bulk interval meters. Communities with bulk interval meters use those meters and hence have a precise profile for the settlements period. When considering the nature of estimates, it should also be noted that IES only represents 0.2% of the consumption on the Darwin-Katherine Power System.
8	Longer term settlements of IES	Jacana Energy	A greater understanding is needed of the longer term plan to move away from the use of deemed profiles as part of the settlements process.	Market Participants should raise this matter with IES and the Network Provider. The Market Operator understands that there is currently no plan to move away from the deeming arrangements for IES communities for the I-NTEM.
9	Operation only during I-NTEM	Jacana Energy	The IES Deemed Load Profile should only be used whilst the market operates virtually - interval meters at the entry points of all IES communities should be commissioned prior to financial settlements occurring. (1.1)	Noted. Please raise this matter with the Department of Treasury and Finance, who is responsible for the design process.
10	Market Design	Jacana	Jacana believe that the current market design for the difference settlements process commercially	Noted. Please raise this matter with the Department of Treasury and Finance, who is

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		Energy	disadvantages Jacana Energy, and requires a review prior to financial settlements occurring – including IES. (1.1)	responsible for this design process.