(1) Complete Current Strategic Business Plan & Financial Plan

(2b,2c) Pricing - Appropriate Residential Charges

(2) (2a) Pricing - Full Cost Recovery, without significant cross subsidies

YES

YES

YES

700

0

410

16,400

1.6

1.0

69

2340

1,320

400

129

141

58

31

18

393

1.9

7120

455

WATER SUPPLY SYSTEM - Tweed Shire Council serves a population of 79,000 (32,240 connected properties). Water is drawn from Tweed River to supply Murwillumbah, Tweed Heads and the Tweed Coast villages including Bogangar and Mooball. Council has 1 storage dam (total capacity 15000 ML). The water supply network comprises 3 conventional treatment works (100.8 ML/d), 41 service reservoirs (113 ML), 27 pumping stations, 101 ML/d delivery capacity into the distribution system, 193 km of transfer and trunk mains and 526 km of reticulation. 95% of water supplied is potable and 5% nonpotable (recycled).

PERFORMANCE - Tweed Shire Council achieved 100% implementation of the outcomes required by the NSW BPM Framework. The 2015-16 typical residential bill was \$639 which was close to the statewide median of \$593 (Indicator 14). The economic real rate of return was similar to the statewide median (indicator 43). The operating cost (OMA) per property was \$419 which was close to the statewide median of \$400 (Indicator 49). Water quality complaints were well above the statewide median of 3 (Indicator 25). Compliance was achieved for microbiological water quality (100% of the population, 3 of 3 zones compliant), chemical water quality and physical water quality. There were no failures of the chlorination system or the treatment system. Tweed Shire Council reported no water supply public health incidents. Current replacement cost of system assets was \$661M (\$18,700 per assessment). Cash and investments were \$35.6M, debt was \$65M and revenue was \$29M (excluding capital works grants).

(3) Sound water conservation implemented

(4) Sound drought management implemented

(5) Complete performance reporting (by 15 September)

638

410

180

6,520

1,880

147

185

3

2

kWh/ML

t CO2

\$/prop

\$'000

\$'000

\$/prop

c/kL

\$/prop

\$/prop

\$/prop

\$/prop

\$/prop

\$/assessment

IMPLEMENTATION OF OUTCOMES REQUIRED BY THE NSW BEST-PRACTICE MANAGEMENT (BPM) FRAMEWORK

(2d) Pricing - (2e) Pricing -		•	Appropriate Non-residential Charges DSP with Commercial Developer Charges	Yes (6) Integrated water cycle management strategy Yes IMPLEMENTATION OF ALL OUTCOMES				YESC <sup>12</sup> 100%	
RIPLE	BOTT	OM LIN	NE (TBL) PERFORMANCE INDICATORS		LWU RESULT	>10,000	KING All LWUs	MEDIAN Statewide N	
		C1	1 Population served: 79000			properties Note 1	Note 2	Note 3	Note 4
			•	Number of assessments: 35430	Col 1	Col 2	Col 3	Col 4	Col 5
	ဟ		3 Residential connected properties (% of total)		95			92	
	ERISTIC		4 New residences connected to water supply (%)	9		2	1	1.1	
Ĕ	ERIS	A3	5 Properties served per kilometre of water main	Prop/kn				31	34
UTILITY			6 Rainfall (% of median annual rainfall)	9	6 117	3	2	116	
	CHARAC	W11	7 Total urban water supplied at master meters (ML)	M	9,170			7,000	0,06
	ᅌ		8 Peak week to average consumption (%)	9	<sup>1</sup> 52	4	3	141	
			9 Renewals expenditure (% of current replacement cost of system assets)	9	6 0.1	5	5	0.4	
			10 Employees per 1000 properties	per 1,000 proj	2.0	5	4	1.4	
		P1	Residential tariff structure for 2015-16: inclining block; independent of	land value: access charge \$158.5					
SOCIAL		P1.3 1	2a Residential water usage charge for 2014-15 for usage <300 kL (c/kL)	c/kL (2014-15	245	2	1	213	18
	BILLS		12 Residential water usage charge for 2015-16 for usage <300 kL (c/kL)	c/kL (2015-16		2	1	226	
	& B		4a Typical residential bill for 2014-15 (\$/assessment)	\$ (2014-15		4	2		58
	GES		14 Typical residential bill for 2015-16 (\$/assessment)	\$ (2015-16		4	3	593	
	CHAR		15 <b>Typical developer charge for 2015-16</b> (\$/equivalent tenement)	\$ (2015-16		1	1	5,900	
	ਹ	F4 -	16 Residential revenue from usage charges (% of residential bills)	9	75	1	2		66
		_	17 Revenue per property - water (\$/property)	\$/proj		3	3		88
		<b>i</b> ,		% of population		2	1	99.5	
			18 Water Supply Coverage (% of Urban Population with reticulated WS) 8a Risk based Drinking Water Management System (DWMS)?	Yes/No		2	1	99.5	
	_		19 Physical compliance achieved? Note 10	Yes/No		1	1		
	ļ		9a Chemical compliance achieved? Note10	Yes/No		1	1		
	HE/		9b % population with chemical compliance	% of population			1	100	
			20 Microbiological (E. coli) compliance achieved? Note 10	Yes/No			1	100	
			20 Microbiological (L. con) compliance achieved? Note 10	% of population		1	1	100	10
		<u>.</u>				<u>'</u>	'	100	
			25 Water quality complaints per 1000 properties	per 1,000 prop		4	4	3	2
	EVELS		26 Water service complaints per 1000 properties	per 1,000 prop		4	4		0.5
			27 Incidence of unplanned interruptions per 1000 properties	per 1,000 proj		3	3	24	91
	ERVICE		28 Average duration of interruption (min)	mii		3	4		11
	ERV		Number of water main breaks per 100 km of water main	per 100kn	_	1	1	9	13
	S		31 Drought water restrictions (% of time)	% of time		1	1	0	
		] (	Total days lost (%)	<i>9</i>	4.1	4	4	2.9	
CONMENTAL		W12 3	33 Average annual residential water supplied - STATEWIDE (kL/property)	kL/prop		4	2	166	18
	URCE		3a Average annual residential water supplied - COASTAL LWUs (kL/prop	• *		5	4	150	
	SOU		33b Average annual residential water supplied - INLAND LWUs (kL/proper					225	
	JRAL RESOL IANAGEMEN	A10 (	Real losses (leakage) (L/service connection/day)	L/connection/day	60	2	2	60	76
Y	₹    }	1		1.147.744	000			700	

## NOTES:

ENVIR

**ECONOMIC** 

EFFICIENCY

- 1 Col 2 rankings are on a % of LWUs basis best reveals performance compared to similar sized LWUs (ie. Col 1 is compared with LWUs with >10,000 properties).
- 2 Col 3 rankings are on a % of LWUs basis best reveals performance compared to all LWUs (ie. Col 1 is compared with all LWUs).
- 3 Col 4 (Statewide Median) is on a % of connected properties basis- best reveals statewide performance (gives due weight to larger LWUs & reduces effect of smaller LWUs).
- 4 Col 5 (National Median) is the median value for the 76 utilities reporting water supply performance in the National Performance Report 2014-15 (www.bom.gov.au).
- 5 LWUs are required to annually review key projections & actions in the later of their IWCM Strategy and financial plan and their Strategic Business Plan and to annually 'roll forward', review and update their 30-year total asset management plan (TAMP) and 30-year financial plan.
- 6 2015-16 Non-residential Tariff: Access Charge based on Meter Size\*(40mm: \$634), Two Part Tariff; Usage Charge 270c/kL.
- 7 Non-residential water supplied was 27% of potable water supplied excluding non-revenue water.

35 Energy consumption per Megalitre (kiloWatt hours)

42 Current replacement cost per assessment (\$)

48 Operating cost (OMA) per 100km of main (\$'000)

49 Operating cost (OMA) per property (\$/prop) Note 8

F17 43 Economic real rate of return - Water (%)

47 Loan payment per property - Water (\$)

50 Operating cost (OMA) per kilolitre (cents)

44 Return on assets - Water (%)

F22 45 Net Debt to equity - WS & Sge (%)

F24 47b Net profit after tax - WS & Sge (\$'000)

51 Management cost (\$/prop)

52 Treatment cost (\$/prop)

53 **Pumping cost** (\$/prop)

55 Water main cost (\$/prop)

F28 56 Capital Expenditure (\$/prop)

54 Energy cost (\$/prop)

F23 46 Interest cover - WS & Sge

36 Renewable energy consumption (% of total energy consumption)

E12 36a Net greenhouse gas emissions - WS & Sge (net tonnes CO2 equivalents per 1000 properties)

- Non-residential revenue was 24% of annual rates and charges, indicating fair pricing of services between the residential and non-residential sectors.
- 8 The operating cost (OMA) per property was \$419. Components were: management (\$185), operation (\$84), maintenance (\$96), energy (\$24) & chemical (\$29).
- 9 Rehabilitations included 4.1% of water meters. Renewals expenditure was \$66,000/100km of main.
- 10 Compliance with ADWG 2011 for drinking water quality is shown as "Yes" if compliance has been achieved (indicators 19, 19a & 20).
- 11 Tweed Shire Council has 5 fully qualified water treatment operators who meet the requirements of the National Certification Framework.
- 12 As Tweed Shire Council's strategic business plan and financial plan are over 4 years old, it needs to prepare a 30-year IWCM Strategy and financial plan in accordance with the July 2014 IWCM Check List (www.water.nsw.gov.au).

(Results shown for 10 years together with Statewide Median and 2014-15 Top 20%)

