



# Australian road and bridge works **2018**

**EXTRACT**

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The categories of road maintenance activity used by Macromonitor are derived from the *Expenditure Reporting Categories* used by the National Transport Commission (NTC) in their regular collection and compilation of road expenditure data from all road jurisdictions. The five categories are shown in Table 1.7.

**Table 1.7**  
**Road Maintenance and Rehabilitation Expenditure Categories**

Category	Summary	Details
Routine Pavement Maintenance	All routine costs incurred in maintaining the roadway and shoulders, excluding periodic costs incurred on sealed roads at a frequency of more than one year.	<ul style="list-style-type: none"> <li>- pot hole repairs / minor patching less than 500 sq. m.</li> <li>- crack sealing</li> <li>- edge repairs</li> <li>- shoulder grading</li> <li>- resheeting of unsealed roads and shoulders</li> <li>- associated administrative and supervisory costs.</li> </ul>
Periodic Pavement Maintenance	Periodic costs associated with maintaining sealed roadways and shoulders incurred at a frequency of more than one year.	<ul style="list-style-type: none"> <li>- maintenance reseals / enrichments</li> <li>- thin asphalt overlays (less than 25mm)</li> <li>- asphalt retreatment and regulation</li> <li>- administrative and supervisory costs</li> </ul>
Road Rehabilitation	Costs associated with reinstating failed pavements to existing standards to improve ride quality and/or correct pavement shape, including the provision of a wearing course. These costs will normally improve the riding quality of pavements without improving the design standard.	<ul style="list-style-type: none"> <li>- major patching in excess of 500 sq. m.</li> <li>- resheeting of sealed roads</li> <li>- reconstruction of failed pavements</li> <li>- asphalt overlays over 25mm</li> <li>- administrative and supervisory costs.</li> </ul>
Bridge Maintenance and Rehabilitation	All costs associated with the maintenance and rehabilitation of bridges and culverts.	<ul style="list-style-type: none"> <li>- bridge maintenance, including painting</li> <li>- bridge repairs, including replacement of bridge railings and decking</li> <li>- administrative and supervisory costs.</li> </ul>
Non-Pavement Maintenance	All expenditures associated with servicing, operating and monitoring the road system, excluding expenditures on pavements, shoulders and bridges.	<ul style="list-style-type: none"> <li>- maintenance, repairs and operating charges for street lighting</li> <li>- maintenance, repairs and operating charges for traffic signals</li> <li>- cleaning, maintenance and repairs of drains</li> <li>- servicing of roadside rest areas</li> <li>- roadside and median maintenance, including grass mowing and litter collection</li> <li>- pavement sweeping and snow clearing</li> <li>- maintenance and cleaning of roadside furniture, including signs</li> <li>- repainting pavement markings</li> <li>- traffic monitoring and recording</li> <li>- pavement condition monitoring and recording</li> <li>- administrative and supervisory costs.</li> </ul>

## 7. Tasmania

### 7.1 TOTAL

Total road and bridge expenditure in Tasmania has gained steadily since the early 2000s. Spending in the year to June 2017 reached \$488 million, just \$20 million below recent peak in 2010/11.

The sharp increase in expenditure during 2010/11 (+25%) was associated with projects such as the Brighton Bypass, the East Tamar Highway, and the Kingston Bypass. Spending then fell by the following two years as these projects were brought to completion.

In 2013/14 and 2014/15, spending grew up to 10% each year due largely to the work on the North East Freight Roads, Arthur Highway and Murchison Highway. In 2015/16 activity declined sharply as these projects came to completion.

Another upturn in road and bridges construction began in 2016/17 as activity increased by 22.6%. We expect activity will continue rising for the next four years supported by strong road and bridge construction. Activity is expected to reach peak levels of \$573 million in 2020/21. During the second half of our forecast period, construction levels are expected to record an average annual spend of \$506 million.

Supporting construction work in the near-term will be extensive upgrades to the Midland Highway, to which the Commonwealth Government allocated \$500 million over ten years.

The key projects expected to commence in the next five years are:

- Further works on the Midland Highway, and
- The Hobart Runway extension (\$40 million).

**Chart 7.1**  
**Total Road & Bridge Works - Tasmania**

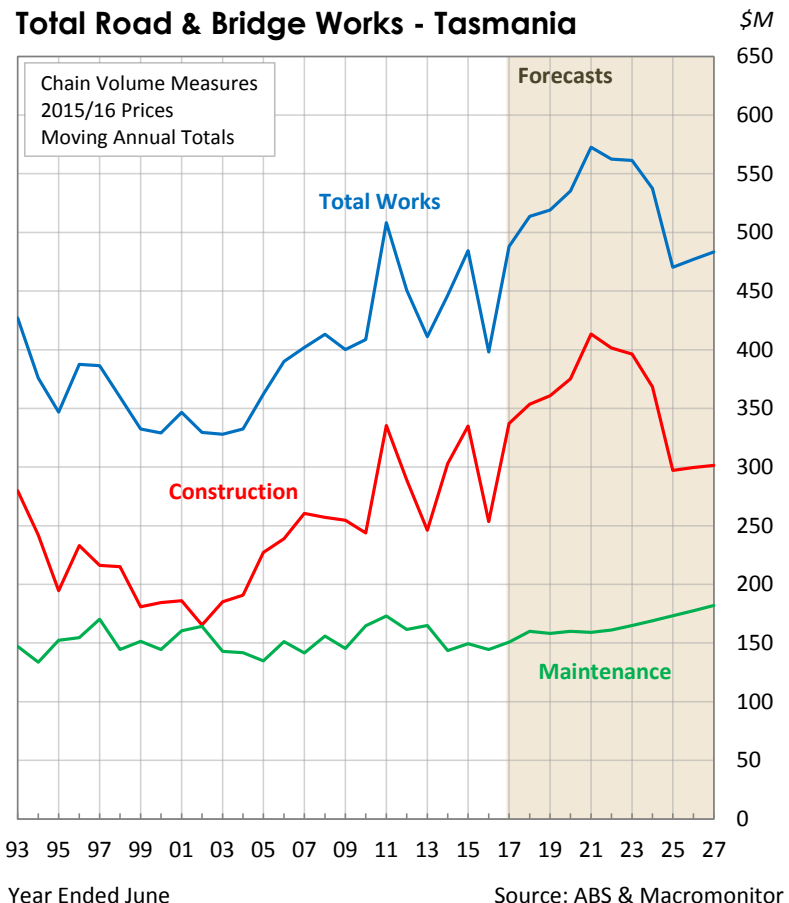


Table 7.2

## Value of Road Construction Work Done - Tasmania

Chain Volume Measures - 2015/16 Prices

Year Ended June	Work Funded by the Public Sector				Work Funded by the Private Sector								Total Road Construction							
	Highways & Arterials		Local Roads		Runways & Access Roads		Total		Motorways		Runways				Access Roads		Subdivisions		Total	
	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch		
2003	73	0.9	59	-	0	0.5	132	0.5	-	-	0	-	0	-27.5	24	200.4	25	192.2	157	12.1
2004	50	-31.7	65	10.2	0	-13.1	115	-13.0	-	-	0	-	10	-	48	96.1	58	134.8	173	10.3
2005	107	114.4	56	-13.8	0	41.9	163	41.8	-	-	3	-	2	-81.7	42	-12.5	47	-19.2	210	21.3
2006	62	-41.7	111	97.4	0	-15.2	173	6.1	-	-	3	-5.0	3	37.9	43	2.3	48	3.2	221	5.4
2007	75	20.8	109	-1.5	1	25.0	184	6.6	-	-	3	-10.0	5	85.1	49	13.3	56	15.6	240	8.6
2008	86	14.6	93	-14.5	1	-	180	-2.6	-	-	1	-52.6	6	19.9	38	-21.8	45	-19.8	224	-6.6
2009	125	45.3	70	-24.9	1	-	195	8.8	-	-	-	-	5	-15.8	35	-9.1	39	-12.4	235	4.6
2010	121	-3.3	65	-7.6	1	-	186	-4.8	-	-	-	-	1	-78.8	29	-15.8	30	-23.3	216	-7.9
2011	187	55.0	64	-0.5	1	-	252	35.6	-	-	-	-	5	405.0	40	37.0	45	49.2	297	37.5
2012	107	-43.1	69	8.0	1	-	177	-30.0	-	-	-	-	20	296.1	46	15.2	66	46.7	243	-18.4
2013	74	-30.8	66	-5.3	1	-	140	-20.7	-	-	-	-	8	-50.0	34	-25.0	44	-32.6	185	-23.9
2014	120	62.3	65	-0.4	1	-	186	32.7	-	-	-	-	10	-19.8	30	-13.4	38	-14.8	224	21.2
2015	131	9.4	70	7.4	1	-	202	8.7	-	-	-	-	35	336.4	53	77.5	88	132.3	290	29.6
2016	95	-27.7	76	7.9	1	-	171	-15.2	-	-	-	-	6	-83.0	52	-2.1	58	-34.3	229	-21.0
2017	125	32.3	68	-10.2	20	3,991.1	214	25.0	-	-	-	-	20	236.4	54	4.6	74	28.4	288	25.9
Forecasts																				
2018	171	36.0	67	-2.0	20	-	258	20.5	-	-	-	-	8	-60.3	43	-21.4	51	-31.8	308	7.0
2019	196	14.8	67	1.0	1	-97.6	264	2.3	-	-	-	-	8	2.9	45	5.4	53	5.0	317	2.8
2020	167	-15.0	68	1.5	1	-	236	-10.7	-	-	-	-	12	43.7	44	-2.0	56	5.0	291	-8.1
2021	160	-3.9	69	1.5	1	-	230	-2.3	-	-	-	-	11	-10.5	41	-6.8	52	-7.6	282	-3.3
2022	155	-3.3	71	1.5	1	-	226	-1.8	-	-	-	-	5	-56.8	38	-7.0	43	-17.2	269	-4.7
2023	155	-	72	1.5	1	-	227	0.5	-	-	-	-	4	-2.0	36	-5.6	41	-5.2	267	-0.4
2024	150	-3.2	73	1.5	1	-	223	-1.7	-	-	-	-	4	-2.1	37	1.8	41	1.4	264	-1.3
2025	150	-	74	1.5	1	-	224	0.5	-	-	-	-	4	-3.2	39	5.5	43	4.6	267	1.1
2026	150	-	75	1.5	1	-	225	0.5	-	-	-	-	4	0.4	40	3.5	44	3.2	269	0.9
2027	150	-	76	1.5	1	-	226	0.5	-	-	-	-	4	-	41	2.0	45	1.8	271	0.7
Average Annual Growth Rates																				
2007-2012	7.3		-8.6		0.0		-0.9		-	-100.0		-1.1	3.4						0.2	
2012-2017	3.3		-0.4		110.1		3.9		-	#DIV/0!		3.4	2.4						3.5	
Forecasts																				
2017-2022	4.3		0.7		-52.4		1.1		0.0	#DIV/0!		-6.8	-10.5						-1.4	
2022-2027	-0.7		1.5		0.0		0.0		-	#DIV/0!		1.4	1.1						0.2	

Source: ABS and Macromonitor

**Table 8.1****Value of Total Road and Bridge Works - Work Done - Northern Territory**

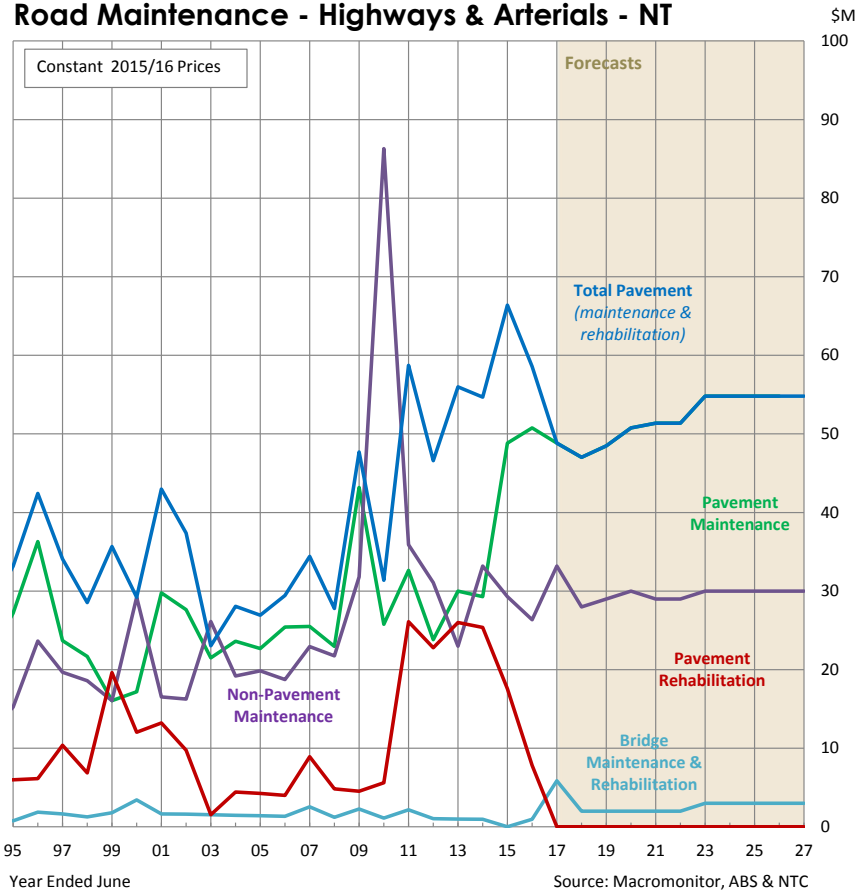
Chain Volume Measures - 2015/16 Prices

Year Ended June	Construction				Maintenance				Total Road & Bridge Works			
	Roads		Bridges		Roads		Bridges		Roads		Bridges	
	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch
1998	158	11.6	4	30.4	162	12.1	76	-2.5	80	-2.4	234	6.6
1999	183	16.0	3	-40.7	186	14.5	77	0.4	80	0.6	260	10.9
2000	171	-6.6	6	122.8	177	-4.8	77	36.9	112	39.3	276	6.2
2001	63	-63.1	1	-83.4	64	-63.8	95	-9.5	99	-11.2	158	-42.7
2002	114	81.0	48	4,811.0	162	152.4	89	-6.8	93	-6.6	203	28.2
2003	108	-5.1	60	26.4	168	4.1	91	3.3	96	3.6	200	-1.4
2004	115	6.0	28	-52.6	143	-14.9	89	-3.1	93	-3.1	203	1.8
2005	153	33.1	5	-83.0	158	10.0	97	9.6	102	9.7	250	22.9
2006	137	-10.1	21	325.5	158	0.2	93	-4.7	97	-5.0	230	-8.0
2007	157	13.9	19	-9.4	175	10.9	103	10.8	108	11.6	259	12.7
2008	170	8.6	30	59.8	200	14.0	114	11.6	120	11.0	284	9.8
2009	144	-15.1	37	24.3	181	-9.3	133	15.8	139	15.2	277	-2.7
2010	175	21.5	22	-41.7	197	8.6	184	38.5	189	36.7	359	29.6
2011	191	9.0	7	-68.3	198	0.6	159	-13.6	165	-12.7	350	-2.5
2012	244	27.7	9	26.9	253	27.7	140	-11.7	145	-12.0	384	9.8
2013	166	-31.9	9	7.6	176	-30.5	123	-12.2	127	-12.7	289	-24.7
2014	209	25.4	12	31.4	221	25.8	132	7.1	136	6.9	340	17.7
2015	263	26.3	4	-68.2	267	21.0	123	-6.2	125	-7.6	387	13.7
2016	274	4.1	8	109.6	283	5.7	119	-3.9	122	-2.7	393	1.6
2017	293	6.7	27	226.9	319	13.1	127	6.8	136	11.3	419	6.7
Forecasts												
2018	286	-2.2	21	-23.1	307	-3.9	120	-5.5	125	-7.9	406	-3.2
2019	295	2.9	10	-50.9	305	-0.7	114	-4.9	119	-5.2	409	0.6
2020	315	6.8	10	0.1	325	6.6	120	5.2	125	5.1	435	6.3
2021	297	-5.5	10	0.1	308	-5.3	118	-1.3	123	-1.3	416	-4.3
2022	275	-7.5	10	0.1	285	-7.3	118	-	123	-	393	-5.4
2023	250	-9.3	10	0.1	260	-9.0	124	4.7	130	5.4	373	-5.1
2024	237	-5.0	10	0.2	247	-4.8	125	0.9	131	1.0	362	-3.0
2025	239	0.8	10	0.2	249	0.8	126	1.0	132	1.0	365	0.9
2026	241	0.7	10	0.2	251	0.7	128	1.0	134	1.0	368	0.8
2027	242	0.6	10	0.2	252	0.6	129	1.0	135	1.0	371	0.7
Average Annual Growth Rates												
2007-2012	9.3		-14.2		7.6		6.4		6.1		8.2	
2012-2017	3.7		25.3		4.8		-2.0		-1.4		1.8	
Forecasts												
2017-2022	-1.2		-17.6		-2.2		-1.4		-2.0		-1.3	
2022-2027	-2.5		0.2		-2.4		1.7		1.9		-1.2	

Source: ABS and Macromonitor

**Chart 8.5**

**Road Maintenance - Highways & Arterials - NT**



**Road Maintenance - All Roads - NT**

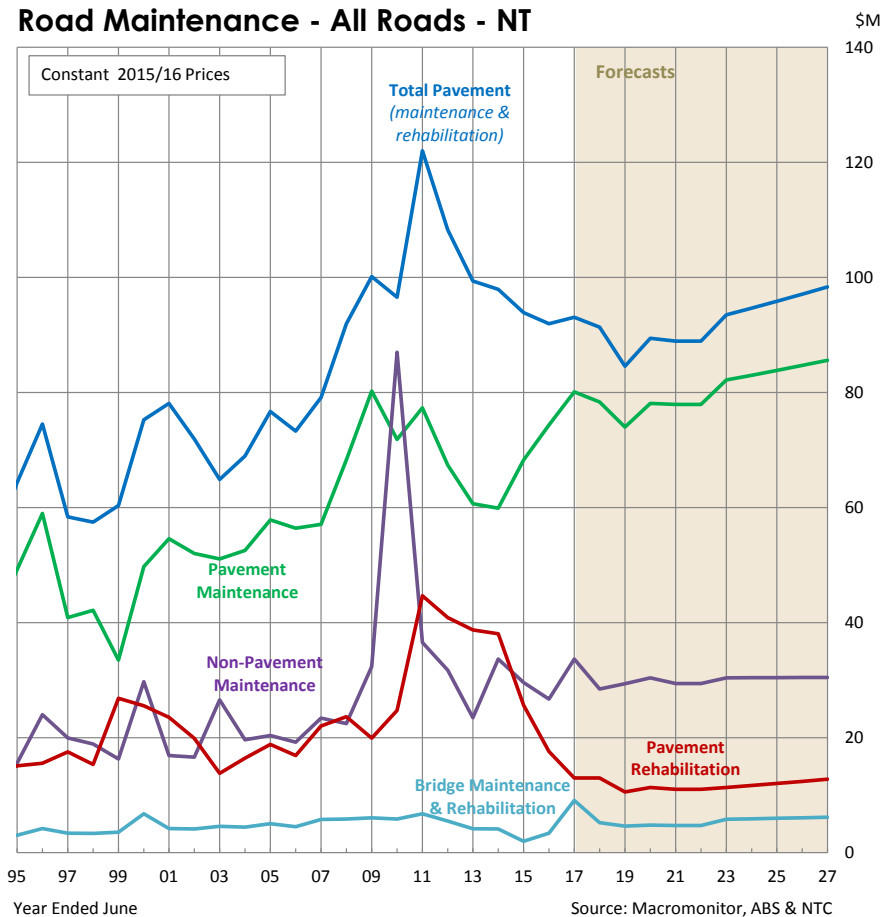


Table 8.5

## Value of Road &amp; Bridge Maintenance - Northern Territory - All Roads

Chain Volume Measures - 2015/16 Prices

Year Ended June	Pavement Maintenance & Rehabilitation						Non-Pavement Maintenance	Bridge Maintenance and Rehabilitation		Total Road Maintenance		
	Routine Maintenance		Periodic Surface Maintenance		Rehabilitation			Total Pavement				
	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch		\$M	Ann. %Ch	\$M	Ann. %Ch	
1998	27	5.4	15	-0.9	15	-12.4	15	-5.2	3	-1.2	80	-2.4
1999	17	-36.6	16	8.9	27	74.9	16	-13.8	4	6.2	80	0.6
2000	29	69.1	21	26.5	26	-4.9	30	82.2	7	89.6	112	39.3
2001	36	23.0	19	-9.0	24	-7.9	17	-43.1	4	-38.0	99	-11.2
2002	32	-10.8	20	7.0	20	-15.5	17	-1.7	4	-1.7	93	-6.6
2003	29	-8.1	22	8.2	14	-30.5	27	59.8	5	10.7	96	3.6
2004	34	17.1	18	-16.6	16	19.0	20	-26.1	4	-2.8	93	-3.1
2005	35	0.2	23	29.0	19	14.7	20	3.8	5	13.1	102	9.7
2006	33	-5.4	24	1.9	17	-10.4	19	-5.8	5	-10.1	97	-5.0
2007	37	14.5	20	-17.2	22	30.5	23	21.9	6	28.1	108	11.6
2008	43	15.4	25	27.7	24	7.3	22	-4.2	6	1.2	120	11.0
2009	56	28.6	25	-1.8	20	-15.8	32	44.3	6	3.6	139	15.2
2010	45	-19.7	27	10.3	25	24.1	87	168.8	6	-3.7	189	36.7
2011	43	-2.9	34	25.0	45	80.7	37	-58.0	7	15.6	165	-12.7
2012	40	-8.2	28	-18.8	41	-8.5	32	-13.3	6	-18.6	145	-12.0
2013	38	-5.0	23	-17.2	39	-5.2	23	-26.0	4	-24.7	127	-12.7
2013	36	-4.0	24	3.1	38	-1.7	34	43.5	4	-0.8	136	6.9
2015	47	30.7	21	-11.6	26	-32.7	30	-12.1	2	-51.5	125	-7.6
2016	48	0.9	27	27.1	18	-31.4	27	-9.7	3	70.2	122	-2.7
2017	50	5.3	30	12.2	13	-26.2	34	26.0	9	167.0	136	11.3
Forecasts												
2018	49	-3.5	30	0.0	13	0.1	28	-15.4	5	-42.5	125	-7.9
2019	45	-7.4	29	-2.7	11	-18.6	29	3.2	5	-11.5	119	-5.2
2020	47	3.7	31	8.4	11	7.2	30	3.5	5	4.1	125	5.1
2021	47	0.3	31	-1.0	11	-2.9	29	-3.3	5	-1.7	123	-1.3
2022	47	-	31	-	11	-	29	-	5	-	123	-
2023	49	4.8	33	6.4	11	3.0	30	3.4	6	22.9	130	5.4
2024	50	1.0	33	1.0	12	3.0	30	0.0	6	1.5	131	1.0
2025	50	1.0	34	1.1	12	3.0	30	0.0	6	1.5	132	1.0
2026	51	1.0	34	1.1	12	3.0	30	0.0	6	1.5	134	1.0
2027	51	1.0	35	1.1	13	3.0	30	0.0	6	1.5	135	1.0
Average Annual Growth Rates												
2007-2012	1.2		7.1		13.1		6.3		-1.0		6.1	
2012-2017	4.8		1.5		-20.5		1.2		10.5		-1.4	
Forecasts												
2017-2022	-1.4		0.9		-3.2		-2.7		-12.2		-2.0	
2022-2027	1.7		2.1		3.0		0.7		5.4		1.9	

Source: ABS and Macromonitor

**Table 9.3**  
**Value of Road & Bridge Maintenance - ACT - Highways & Arterial Roads**  
 Chain Volume Measures - 2015/16 Prices

Year Ended June	Pavement Maintenance & Rehabilitation						Non-Pavement Maintenance	Bridge Maintenance and Rehabilitation		Total Road Maintenance				
	Routine Maintenance		Periodic Surface Maintenance		Rehabilitation						Total Pavement			
	\$M	Ann. %Ch	\$M	Ann. %Ch	\$M	Ann. %Ch					\$M	Ann. %Ch		
1998	1	-27.9	4	18.3	3	-11.3	8	-3.2	5	-0.9	0	-0.9	13	-2.3
1999	2	64.5	2	-50.6	2	-41.9	5	-31.1	4	-24.1	-	-100.0	9	-29.5
2000	2	-3.6	3	92.9	9	382.2	14	157.1	3	-3.6	-	-	17	92.9
2001	2	-3.8	7	92.3	10	15.4	18	32.2	15	332.8	3	-	36	111.6
2002	3	96.6	5	-26.3	5	-50.8	13	-28.5	20	31.1	2	-50.8	34	-6.2
2003	5	41.8	5	-5.5	11	120.5	20	53.6	41	112.6	3	89.0	65	89.0
2004	1	-68.0	4	-3.9	4	-58.8	10	-48.2	22	-46.6	3	-3.9	35	-45.1
2005	1	-4.0	4	-4.0	4	-4.0	10	-4.0	24	8.8	1	-52.0	35	0.0
2006	3	88.8	4	-5.6	3	-37.1	9	-5.6	17	-27.8	3	88.8	29	-16.9
2007	1	-52.4	6	58.7	3	-4.8	10	8.8	15	-12.1	1	-52.4	27	-9.1
2008	2	89.7	4	-43.1	7	184.5	13	30.4	12	-21.0	1	-5.2	27	-0.6
2009	2	-6.0	3	-6.0	5	-37.3	10	-23.1	15	22.2	1	-6.0	26	-1.7
2010	2	-1.4	7	97.3	9	97.3	18	75.4	18	21.4	1	-1.4	37	41.5
2011	2	-2.9	3	-51.5	7	-27.2	12	-33.3	18	3.1	1	-2.9	32	-14.7
2012	2	-4.8	3	-4.8	6	-4.8	11	-4.8	26	40.0	1	-4.8	38	21.5
2013	2	-3.4	4	28.8	7	12.7	13	14.1	32	23.6	1	-3.4	46	20.1
2014	3	46.5	3	-26.8	4	-44.2	10	-24.9	29	-8.5	1	-2.4	40	-13.0
2015	3	-	5	66.7	4	-	12	20.0	25	-13.3	1	-	38	-4.9
2016	2	-33.3	7	40.0	4	-	13	8.3	30	19.2	-	-100.0	43	12.8
2017	2	-	7	-	3	-25.0	12	-7.7	32	6.5	1	#DIV/0!	45	4.5
Forecasts														
2018	2		4	-45.1	5	70.7	11	-7.4	22	-31.7	1	2.4	34	-24.6
2019	2	4.8	4	6.7	5	2.0	11	4.1	23	4.5	1	-	35	4.3
2020	2	4.5	4	-	5	2.0	12	1.8	24	4.3	1	-	37	3.4
2021	2	-	4	-	5	-3.9	11	-1.8	24	-	1	-	36	-0.6
2022	2	-	4	-	5	-	11	-	24	-	1	-	36	-
2023	2	-	4	-	5	-	11	-	24	-	1	-	36	-
2024	2	-	4	-	5	-	11	-	24	-	1	-	36	-
2025	2	-	4	-	5	-	11	-	24	-	1	-	36	-
2026	2	-	4	-	5	-	11	-	24	-	1	-	36	-
2027	2	-	4	-	5	-	11	-	24	-	1	-	36	-
Average Annual Growth Rates														
2007-2012	10.2		-13.4		19.5		2.2		11.1		-4.1		7.4	
2012-2017	-1.2		17.1		-14.0		0.6		4.5		-1.2		3.2	
Forecasts														
2017-2022	3.3		-10.2		11.3		-0.7		-5.7		0.5		-4.2	
2022-2027	0.0		0.0		0.0		0.0		0.0		0.0		0.0	