

Appendix F

Internal Zone Trip End Growth Factors

Table F-1: AM Peak Internal Growth Factors – Low Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.032	1.032	1.011	1.014	1.193	1.193	1.049	1.062	1.293	1.293	1.051	1.065
496	1.028	1.035	1.008	1.005	1.167	1.211	1.035	1.022	1.253	1.322	1.037	1.023
500	1.028	1.035	1.008	1.005	1.167	1.211	1.035	1.022	1.253	1.322	1.037	1.023
502	1.040	1.047	1.009	1.000	1.246	1.298	1.042	1.000	1.379	1.465	1.044	1.000
504	1.065	1.029	1.021	1.020	1.429	1.175	1.096	1.090	1.691	1.265	1.100	1.094
508	1.026	1.041	1.006	1.000	1.157	1.254	1.028	1.000	1.237	1.392	1.029	1.000
510	1.053	1.026	1.015	1.017	1.343	1.157	1.069	1.076	1.541	1.237	1.072	1.079
512	1.029	1.048	1.018	1.008	1.175	1.304	1.083	1.035	1.265	1.475	1.087	1.037
514	1.065	1.029	1.021	1.020	1.429	1.175	1.096	1.090	1.691	1.265	1.100	1.094

Table F-2: AM Peak Internal Growth Factors – Medium Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.040	1.040	1.020	1.021	1.237	1.237	1.090	1.095	1.349	1.349	1.093	1.098
496	1.035	1.050	1.015	1.012	1.203	1.303	1.068	1.056	1.296	1.454	1.070	1.058
500	1.035	1.050	1.015	1.012	1.203	1.303	1.068	1.056	1.296	1.454	1.070	1.058
502	1.047	1.056	1.018	1.000	1.286	1.345	1.082	1.000	1.426	1.521	1.086	1.000
504	1.072	1.037	1.029	1.028	1.462	1.219	1.135	1.129	1.717	1.321	1.141	1.135
508	1.033	1.050	1.014	1.000	1.195	1.303	1.061	1.000	1.284	1.454	1.063	1.000
510	1.059	1.035	1.022	1.024	1.371	1.203	1.103	1.108	1.563	1.296	1.107	1.113
512	1.036	1.057	1.025	1.015	1.215	1.355	1.116	1.068	1.314	1.537	1.120	1.070
514	1.072	1.037	1.029	1.028	1.462	1.219	1.135	1.129	1.717	1.321	1.141	1.135

Table F-3: AM Peak Internal Growth Factors – High Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.065	1.069	1.050	1.052	1.380	1.410	1.250	1.264	1.523	1.569	1.283	1.300
496	1.062	1.081	1.046	1.044	1.357	1.495	1.230	1.217	1.490	1.696	1.260	1.245
500	1.062	1.081	1.046	1.044	1.357	1.495	1.230	1.217	1.490	1.696	1.260	1.245
502	1.075	1.083	1.048	1.000	1.449	1.509	1.244	1.000	1.626	1.719	1.276	1.000
504	1.094	1.069	1.060	1.059	1.593	1.410	1.310	1.304	1.850	1.569	1.354	1.347
508	1.059	1.078	1.045	1.000	1.343	1.472	1.223	1.000	1.468	1.662	1.253	1.000
510	1.082	1.066	1.053	1.056	1.502	1.388	1.271	1.283	1.707	1.535	1.309	1.322
512	1.064	1.085	1.057	1.046	1.376	1.523	1.291	1.230	1.517	1.740	1.331	1.260
514	1.094	1.069	1.060	1.059	1.593	1.410	1.310	1.304	1.850	1.569	1.354	1.347

Table F-4: Inter Peak Internal Growth Factors – Low Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.029	1.029	1.009	1.011	1.175	1.175	1.042	1.049	1.265	1.265	1.044	1.053
496	1.011	1.017	1.000	1.000	1.062	1.097	1.000	1.000	1.091	1.144	1.000	1.000
500	1.011	1.017	1.000	1.000	1.062	1.097	1.000	1.000	1.091	1.144	1.000	1.000
502	1.035	1.037	1.008	1.009	1.211	1.227	1.035	1.042	1.322	1.349	1.037	1.044
504	1.048	1.022	1.018	1.014	1.306	1.132	1.084	1.062	1.479	1.197	1.089	1.065
508	1.024	1.032	1.003	1.005	1.140	1.193	1.014	1.022	1.210	1.293	1.015	1.023
510	1.035	1.018	1.012	1.011	1.211	1.105	1.056	1.049	1.322	1.156	1.059	1.053
512	1.030	1.037	1.010	1.007	1.179	1.230	1.043	1.031	1.272	1.353	1.046	1.033
514	1.048	1.022	1.018	1.014	1.306	1.132	1.084	1.062	1.479	1.197	1.089	1.065

Table F-5: Inter Peak Internal Growth Factors – Medium Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.037	1.037	1.018	1.018	1.218	1.218	1.082	1.082	1.317	1.317	1.086	1.086
496	1.020	1.028	1.006	1.006	1.110	1.159	1.028	1.028	1.155	1.229	1.029	1.029
500	1.020	1.028	1.006	1.006	1.110	1.159	1.028	1.028	1.155	1.229	1.029	1.029
502	1.042	1.045	1.017	1.018	1.251	1.268	1.076	1.082	1.369	1.395	1.079	1.086
504	1.057	1.031	1.026	1.022	1.351	1.176	1.122	1.103	1.529	1.254	1.128	1.107
508	1.032	1.041	1.011	1.014	1.184	1.243	1.049	1.062	1.266	1.356	1.051	1.065
510	1.042	1.025	1.020	1.018	1.251	1.143	1.090	1.082	1.369	1.204	1.094	1.086
512	1.037	1.047	1.018	1.015	1.218	1.280	1.083	1.070	1.317	1.414	1.087	1.073
514	1.057	1.031	1.026	1.022	1.351	1.176	1.122	1.103	1.529	1.254	1.128	1.107

Table F-6: Inter Peak Internal Growth Factors – High Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.064	1.066	1.048	1.050	1.389	1.407	1.246	1.253	1.570	1.598	1.284	1.293
496	1.046	1.058	1.037	1.037	1.269	1.350	1.184	1.184	1.384	1.507	1.212	1.212
500	1.046	1.058	1.037	1.037	1.269	1.350	1.184	1.184	1.384	1.507	1.212	1.212
502	1.071	1.073	1.047	1.048	1.439	1.455	1.240	1.246	1.648	1.675	1.277	1.284
504	1.082	1.060	1.057	1.053	1.526	1.365	1.294	1.274	1.792	1.532	1.341	1.318
508	1.059	1.068	1.041	1.044	1.359	1.423	1.205	1.219	1.522	1.624	1.236	1.252
510	1.068	1.055	1.051	1.050	1.423	1.326	1.260	1.253	1.624	1.471	1.301	1.293
512	1.066	1.075	1.049	1.046	1.402	1.472	1.250	1.234	1.589	1.703	1.289	1.271
514	1.082	1.060	1.057	1.053	1.526	1.365	1.294	1.274	1.792	1.532	1.341	1.318

Table F-7: PM Peak Internal Growth Factors – Low Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.032	1.032	1.014	1.011	1.193	1.193	1.062	1.049	1.293	1.293	1.065	1.051
496	1.035	1.028	1.005	1.008	1.211	1.167	1.022	1.035	1.322	1.253	1.023	1.037
500	1.035	1.028	1.005	1.008	1.211	1.167	1.022	1.035	1.322	1.253	1.023	1.037
502	1.047	1.040	1.000	1.009	1.298	1.246	1.000	1.042	1.465	1.379	1.000	1.044
504	1.029	1.065	1.020	1.021	1.175	1.429	1.090	1.096	1.265	1.691	1.094	1.100
508	1.041	1.026	1.000	1.006	1.254	1.157	1.000	1.028	1.392	1.237	1.000	1.029
510	1.026	1.053	1.017	1.015	1.157	1.343	1.076	1.069	1.237	1.541	1.079	1.072
512	1.048	1.029	1.008	1.018	1.304	1.175	1.035	1.083	1.475	1.265	1.037	1.087
514	1.029	1.065	1.020	1.021	1.175	1.429	1.090	1.096	1.265	1.691	1.094	1.100

Table F-8: PM Peak Internal Growth Factors – Medium Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.040	1.040	1.021	1.020	1.237	1.237	1.095	1.090	1.349	1.349	1.098	1.093
496	1.050	1.035	1.012	1.015	1.303	1.203	1.056	1.068	1.454	1.296	1.058	1.070
500	1.050	1.035	1.012	1.015	1.303	1.203	1.056	1.068	1.454	1.296	1.058	1.070
502	1.056	1.047	1.000	1.018	1.345	1.286	1.000	1.082	1.521	1.426	1.000	1.086
504	1.037	1.072	1.028	1.029	1.219	1.462	1.129	1.135	1.321	1.717	1.135	1.141
508	1.050	1.033	1.000	1.014	1.303	1.195	1.000	1.061	1.454	1.284	1.000	1.063
510	1.035	1.059	1.024	1.022	1.203	1.371	1.108	1.103	1.296	1.563	1.113	1.107
512	1.057	1.036	1.015	1.025	1.355	1.215	1.068	1.116	1.537	1.314	1.070	1.120
514	1.037	1.072	1.028	1.029	1.219	1.462	1.129	1.135	1.321	1.717	1.135	1.141

Table F-9: PM Peak Internal Growth Factors – High Growth

NTM Zone	Opening Year				Design Year				Forecast Year			
	LV		HV		LV		HV		LV		HV	
	2012 - 2015		2012 - 2015		2012 - 2030		2012 - 2030		2012 - 2045		2012 - 2045	
	O	D	O	D	O	D	O	D	O	D	O	D
494	1.069	1.065	1.052	1.050	1.410	1.380	1.264	1.250	1.569	1.523	1.300	1.283
496	1.081	1.062	1.044	1.046	1.495	1.357	1.217	1.230	1.696	1.490	1.245	1.260
500	1.081	1.062	1.044	1.046	1.495	1.357	1.217	1.230	1.696	1.490	1.245	1.260
502	1.083	1.075	1.000	1.048	1.509	1.449	1.000	1.244	1.719	1.626	1.000	1.276
504	1.069	1.094	1.059	1.060	1.410	1.593	1.304	1.310	1.569	1.850	1.347	1.354
508	1.078	1.059	1.000	1.045	1.472	1.343	1.000	1.223	1.662	1.468	1.000	1.253
510	1.066	1.082	1.056	1.053	1.388	1.502	1.283	1.271	1.535	1.707	1.322	1.309
512	1.085	1.064	1.046	1.057	1.523	1.376	1.230	1.291	1.740	1.517	1.260	1.331
514	1.069	1.094	1.059	1.060	1.410	1.593	1.304	1.310	1.569	1.850	1.347	1.354