

The Zip file *Economic Insights AER DNSP BM Files 8Oct2020.zip* contains the following files:

### **Excel spreadsheet files**

*DNSP consolidated benchmarking data (2019).xlsx* – database file assembles variables used in the productivity and MTFP analyses at the DNSP level, State level and industry level from the AER’s Economic Benchmarking Regulatory Information Notice returns and intermediate files as follows:

- *DNSP reliability calculation (2019 AER VCR values).xlsx* – forms the reliability output variables
- *DNSP AUC calculation (2019).xlsx* – assembles annual user costs for the five capital inputs

*DNSPData AusNZOnt 8Oct2020x BM.xlsx* – database file for Australian, New Zealand and Ontario DNSPs used in opex cost function models

Results are presented in the following files:

- *Economic Insights AER DNSP MTFP & MPFP 8Oct2020.xlsx* – presents DNSP MTFP and MPFP results
- *Economic Insights AER Industry Prod Results 8Oct2020.xlsx* – presents industry productivity results and contribution analysis
- *Economic Insights AER DNSP State MTFP Results 8Oct2020.xlsx* – presents state level MTFP results
- *Economic Insights AER DNSP State Opex MPFP Results 8Oct2020.xlsx* – presents state level opex MPFP results
- *Economic Insights AER DNSP Opex Efficiency Scores 2006–19 8Oct2020.xlsx* – presents average opex efficiency results from the econometric and index number analyses using data for 2006 to 2019
- *Economic Insights AER DNSP Opex Efficiency Scores 2012–19 8Oct2020.xlsx* – presents average opex efficiency results from the econometric and index number analyses using data for 2012 to 2019
- *Economic Insights AER DNSP Opex Eff Scores 2006–19 A&B Outputs 8Oct2020.xlsx* – presents average opex efficiency results from the 2–output econometric model with outputs A and B using data for 2006 to 2019

- *Economic Insights AER DNSP Opex Eff Scores 2012–19 A&B Outputs 8Oct2020.xlsx* – presents average opex efficiency results from the 2–output econometric model with outputs A and B using data for 2012 to 2019
- *Economic Insights AER DNSP XXX Prod Results 8Oct2020.xlsx* – presents State productivity results and contribution analysis for State XXX
- *Economic Insights AER DNSP YYY Prod Results 8Oct2020.xlsx* – presents individual DNSP productivity results and contribution analysis for DNSP YYY
- *Economic Insights AER DNSP Partial Output Prods 8Oct2020.xlsx* – presents DNSP level multilateral output partial productivities
- *ABS MFP 52600550021\_2019.xlsx* – ABS multifactor productivity series with relevant series normalised to 2006.

### **Shazam Econometrics Program Files**

The Shazam data files are as follows:

*DNSPData.txt* – DNSP level data for MTFP analysis

*DINDData.txt* – industry level data

*DXXXData.txt* – State XXX’s data for productivity analysis

*DYYYYData.txt* – DNSP YYY’s data for productivity analysis

The Shazam input files are as follows:

*MTFPDNSPIN.txt* – DNSP MTFP input file

*MTFPDNSPPPOIN.txt* – DNSP multilateral output partial productivities input file

*MTFPDNSP8YRIN.txt* – DNSP MTFP input file using data for 2012 to 2019

*TFPINDIN.txt* – industry level productivity analysis input file

*TFPXXXIN.txt* – State XXX’s productivity analysis input file

*TFPYYYIN.txt* – DNSP YYY’s productivity analysis input file

The Shazam output files are as follows:

*MTFPDNSPOT.txt* – DNSP MTFP output file

*MTFPDNSPPPOOT.txt* – DNSP multilateral output partial productivities output file

*MTFPDNSP8YROT.txt* – DNSP MTFP output file using data for 2012 to 2019

*TFPINDOT.txt* – industry level productivity analysis output file

*TFPXXXOT.txt* – State XXX’s productivity analysis output file

*TFPYYYOT.txt* – DNSP YYY’s productivity analysis output file

App B folder – Shazam files for Appendix B model

App D# folders – Shazam files and spreadsheet for Appendix D# model

### **Stata Econometrics Program Files**

*vc med BM 2006–19 10Oct2020.do* – opex cost function models input file for 2006 to 2019

*vc–out–med–BM 2006–19 10Oct2020.smcl* – opex cost function models output file for 2006 to 2019

*vc med BM 2012–19 10Oct2020.do* – opex cost function models input file for 2012 to 2019

*vc–out–med–BM 2012–19 10Oct2020.smcl* – opex cost function models output file 2012 to 2019

App E2 folder – Stata files for Appendix E2 models