

## **Notes on the new ToolKit version (version 2.14)**

### **New in v. 2.14**

An error in calculating the cash impact of PNRR overestimated the impact. This led to and underestimation of the amount of PNRR needed to achieve a TPP target. Fixed.

### **New in v. 2.13**

Major speed-up in the logic at the end of a run that writes info out to worksheets (e.g., data for the reserves graph, and the IOU benefits adjusting reports). Checking 'Reserves Graph' no longer slows has any perceptible impact on speed.

### **New in v. 2.12**

Fixed for use on Macintosh computers: the code was broken into two parts, and all declarations of variables were moved to top of the module.

### **Version 2.11**

Released on CD and electronically on April 20 and used in demonstration in the April 20, 2005 Rates/PFR workshop in BPA's Rates Hearing Room. This is the first version that incorporated logic to adjust the IOU benefits, and therefore BPA's costs, in response to changes in PNRR, the broker quotes of future markets, and any CRAC or DDC amounts.

9-May-05

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