

$$I_{O \text{ stan min } j} = \min \left[\frac{\sum_{k=1}^l C_{Ojk} \cdot GHG_{O \text{ 2007 } jk}}{\sum_{k=1}^l P_{2007 jk}}; \frac{\sum_{k=1}^l C_{Ojk} \cdot GHG_{O \text{ 2008 } jk}}{\sum_{k=1}^l P_{2008 jk}}; \frac{\sum_{k=1}^l C_{Ojk} \cdot GHG_{O \text{ 2009 } jk}}{\sum_{k=1}^l P_{2009 jk}}; \frac{\sum_{k=1}^l C_{Ojk} \cdot GHG_{O \text{ 2010 } jk}}{\sum_{k=1}^l P_{2010 jk}} \right]$$