Gigalitres of water recovery for the environment as at 30 June 2016 Water Resource Availability & Security Victoria's agreed target **Drivers & Discussion Points** Remaining Impacts of 711 Transferred recovery climate change potential for on agricultural environmental supply and water holder production efficiency measures Reduced 1,075 GL 20 Planned All volumes reported are water availability GOULBURN-MURRAY transfers subject to changes as water & reliability by WATER from on-farm recovery initiates are completchanged timing modernisation ed, amended or withdrawn -& frequency of efficiencies data as at 30 June 2016. **Entitlements** rainfall & Planned framework inflows transfers from system **Climate** Source: Victorian Governmodernisation ment's Water for Victoria, efficiencies Change Water Plan 2016 Reserve Policy Delivery share Potential land use changes This information is designed to stimulate conversation. The comments and facts provided have been derived from comments from the Water Services **Water Policy** Catchment Committees, Strategic Advisory Committee and the work of a number of & Regulation Changes agencies and organisations. These comments don't necessarily represent the view of Goulburn-Murray More private dams for Carry Over domestic & Water stock use Resource Forestry development for **Availability** timber & carbon sequestration Market & Security competition from agricultural & non-agricultural users GMID irrigators operate in a water market spanning Forecast availablity of total inflows for the Murray system* to 2055 the southern (Scenarios A to D compared with the long-term average) Murray Darling Basin (sMBD) The environmental Water **High Reliability Entitlements (GL)** 2 recovery target is Murray Total=2,831GL Markets & 2,750 GL **Darling** Competition GMW Private **Basin Plan** Diverters, 166 EnvironmentWater Shares (NWU), 630 Competition for High Reliability water is Water Share Environment Bulk increasing. --- Scenario A - Low climate change linked to land in Entitlement, 265 E.g. Mallee - Scenario B - Medium climate change GMID has Horticulture & Victoria's Scenario C - High climate change declined **NSW Cotton** ■ GMW Irrigation recovery target Scenario D - Continuation of low inflows (July 1997-June 2007) 5,000 GL UrbanWater Shares, Areas, 954 is 1,075 GL Failure to 41 approx size of -43 meet recovery UrbanBulk the consumptive target could Entitlements, 176 water market in mean further the sMDB water LMW NWU, 2 Note: * Refers to total Murray system, not just Victoria's share. Data extrapolated 2009. ■ GMWNWU, 260 purchases LMW Irrigation Areas, Source: Northern Region Sustainable Water Strategy. Published by the LMW Private

Progress towards basin plan recovery

State of Victoria Department of Sustainability and Environment 2009.

Source: Water Resources - Regulated Entitlement Volumes

Diverters, 216

1 – Based on approximate seasonal allocations to all entitlements 2008 – 2015 Source: Aither 2016, *Supply Side Drivers of Water Allocation Prices, Identifying and modelling supply side drivers of water allocation prices in the southern Murray-Darling Basin*, page 16.