

'Sustaining the Basin'

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Presentation Overview

Commonwealth Funding Commitment

NSW 'Sustaining the Basin' Program

Program

Basin & Valley Approach

Project/Leaders/Funds

DPI Darling Basin Farm Modernisation Project

Phase 1 Hotspots Assessment

Phase 2 Farm Modernisation Business Plan

Phase 3 Implementation Program

Sustaining the Basin Program Timetable

Commonwealth Commitment

3 July COAG ‘in principle’ funding

NSW - \$1.358billion + electoral commitments

\$708m NSW Government – Sustaining the Basin

\$650m Private Irrigation Infrastructure Operators

Up to \$400m Menindee Lakes Water Savings
project

50% of cost of Albert-Priest Channel

“Subject to due diligence assessment of project
business cases”

'Sustaining the Basin' Program

NSW vision

Healthy Rivers and Growing Communities

Program Objectives

Securing water supplies against climate change

Using water wisely

Building resilience of irrigation communities

Program Outcomes

Water savings for improving environmental health

Increasing water access certainty and reducing risk

Improved water use efficiency & productivity

Maintaining regional irrigation economies

Sustaining the Basin

Basin & Valley Approach

Murray Basin

NSW Murray & Lower Darling (d/s Menindee)

Murrumbidgee

Lachlan

Darling Basin

Macquarie/Castlereagh

Namoi

Gwydir

Upper Barwon/Darling

Border Rivers

Projects / Leaders / Funds

Farm Modernisation: DPI

\$300m - \$200m Darling Basin

Stock & Domestic Supply: DWE

\$137m - \$47m Darling Basin

Metering

Regulated: State Water \$90m

Unregulated/Groundwater DWE \$131m

Floodplain Harvesting

DWE/DECC \$50m

DPI Farm Modernisation

Scope - On-Farm water use efficiency
infrastructure

Key Objective:

To invest in management, information and
technological farm infrastructure where it

- Improves water use efficiency

- Achieves water savings

- Increases water-related productivity

Phase 1 - Hotspots

Evaluation of irrigation water losses and gains at farm, valley and basin scales

Focus on irrigation infrastructure at farm scale with links to valley and basin hydrology

Identify, quantify and prioritise water losses and gains

Farm - storages, channels, fields

Phase 2 – Business Plan

Valley & Basin Farm Modernisation Investment Plan

Irrigation industry viability in context of climate change and reduced water availability

Investment Options & Prioritisation

Social, Economic, Financial and Engineering assessment

Irrigator stakeholder engagement

Implementation methodology & schedule

Quantification of outcomes

Phase 2 – Business Plan

Investment Criteria

Environmental outcome

Water savings & Environmental Value

Securing regional communities

Climate change & reduced water availability

Drive regional investment to secure benefits over
20 year horizon

Value for Money

\$/ML Benchmark

Cost/benefit analysis

Phase 3 Implementation

Mix of methods

Market based mechanisms

Extension transfer

Targeted investment districts

DPI Timetable

Phase 1 & 2 – Completed 2009

Phase 3 – Commencing in 2010

Subject to Funds availability

The End

Questions?