

**Stream 2 Funding**

**Stream 1 & 3 Funding: Development Phase**

**Stream 1 & 3 Funding: Delivery Phase**

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2a

CONSTRUCT ONLY

2b

3

**Strategic Planning**

- Problem (risk/issues) identification
- Compile existing information:
  - Current O&M issues
  - Surveys/Data
- Undertake integrated water cycle management planning— See [the website](#) for more information
- Initial cost estimates for resolution of known risks
- Community & stakeholder consultation
- Initial consultation with regulatory agencies, e.g.:
  - Department of Planning, Industry and Environment
  - NSW Health
  - EPA

**Options Study**

- Surveys and investigations including:
  - treatment investigations
  - water quality info
- MCA options analysis and/or validation, e.g.:
  - WTP process options
  - STP process options
  - non-build solutions
  - growth
  - agreed levels of service
  - recommended option
- Site selection (flood/buffer, etc.)
- Procurement options analysis and strategy
- Preliminary environmental assessment
- Project cost estimate for preferred option
- Continued community and stakeholder consultation
- Approval register

**Concept Design**

- Surveys and investigations including:
  - geotech
  - wastewater characterisation (e.g. 72 hr test)
- Public display of preferred option (if required)
- Concept design
- Environmental assessment (EIS/REF, etc.) including public display of EA
- Commence land acquisition
- Finalise procurement strategy
- Community and stakeholder consultation
- Project cost estimate

**Detailed Design**

- Technical design (including specifications and design criteria)
- Site surveys and investigations
- Acquire land (CPO and leases)
- Constructability of design
- HAZOP/CHAIR
- Project cost estimate (P80 or +/-10%)

**Key Deliverables (CO)**

- STATUTORY APPROVALS INC. SECTION 60 FOR DETAILED DESIGN (W&S TREATMENT)
- DETAILED DESIGN REPORT (INCL WHS REPORT)
- TENDER DOCUMENTATION
- PRE-TENDER ESTIMATE

**Tender**

- Confirm budget
- Call for tenders
- Tender assessment
- Tender recommendation
- Contract award

**Key Deliverables (CO)**

- SIGNED CONTRACT

**Construct/Implement**

- Surveys
- Site inspections
- Manage land acquisitions
- Produce works as executed (WAE) drawings
- Manage project cost/budget including:
  - milestone payments
  - project reporting
- Contract meetings
- Funding claim certification

**Commissioning**

- Prepare O&M manuals
- Witness testing and pre-commissioning
- Official opening
- Operator training
- S61 inspections
- Performance proving period
- Defects liability period
- Finalise land matters
- End of community consultation
- Close contract

**Key**

- ▭ FUNDING PHASE OR STREAM
- ▭ PROJECT LIFECYCLE PHASE
- ▲ FUNDING ASSURANCE GATE
- ▼ PROJECT ASSURANCE GATE

For D&C delivery:

- Detailed Specifications/ performance specification

2b

DESIGN & CONSTRUCT

**Tender**

- Confirm budget
- Call for tenders
- Tender assessment
- Tender recommendation
- Contract award

**Detailed Design**

- Technical Design
- Site surveys and investigations
- Acquire land (CPO and leases)
- Constructability of design
- HAZOP/CHAIR
- Cost estimate/budget (P80 or +/-10%)

**Activities and deliverables in every phase**

Produce/update a project management plan (including resource planning for each phase) | Manage scope change | Identify, manage and track risks and issues | Lesson learned register | Control quality

**Key Deliverables**

- INTEGRATED WATER CYCLE MANAGEMENT STRATEGY
- TOTAL ASSET MANAGEMENT PLAN
- FINANCIAL PLAN
- EMERGENCY RESPONSE PLAN

**Key Deliverables**

- OPTIONS REPORT INCLUDING PREFERRED OPTION
- FINANCIAL PLAN/FUNDING STRATEGY
- SECTION 60 ENDORSEMENT OF PREFERRED OPTION

**Key Deliverables**

- CONCEPT DESIGN REPORT
- PROJECT PLAN/BUSINESS CASE
- DRAFT ENVIRONMENTAL ASSESSMENT
- SECTION 60 ENDORSEMENT OF CONCEPT DESIGN (W&S TREATMENT)

**Key Deliverables**

- TENDER DOCUMENTATION
- PRE-TENDER ESTIMATE
- CONTRACT

**Key Deliverables**

- STATUTORY APPROVALS (INCLUDING SECTION 60 FOR DETAILED DESIGN W&S TREATMENT)
- DETAILED DESIGN REPORT (INCL WHS REPORT)

**Key Deliverables**

- PRACTICAL COMPLETION CERTIFICATE (CONSTRUCTION COMPLETE)
- FINAL CERTIFICATE (POST COMMISSIONING)



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