

# Energy Commission Seminar on RETT Mini-hydro Presentation

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## Members of the Group

S/N	Name	Affiliation
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## Mini-hydro Technologies



## Assumptions

- There are three stages of the process
  - Design and construction
  - Operation and maintenance
  - Sustainability

## Criteria for selection

- **Technical**
  - Water head and flow rate must suit technology for optimum output
  - Ease of design & construction and installation
  - Skill requirements

## Criteria for Selection (Cont'd)

- **Operation & Maintenance**
  - Low Operation & Maintenance cost
  - Ease of operation & maintenance

## Criteria for Selection (Cont'd)

- **Economic**

- Initial cost
- Operational cost
- Installation cost
- Maintenance cost

## Criteria for Selection (Cont'd)

- **Environment**

- Decommissioning of technology
- Minimum inundation

## Criteria for Selection (Cont'd)

- Social-political
  - Acceptability
  - Job creation

## Criteria for Selection (Cont'd)

- sustainability
  - Expected lifespan
  - Low capital cost
  - Space requirement
  - Other benefits