Assessment Requirements for AHCARB809 Develop an urban forest management framework

Release: 1

Assessment Requirements for AHCARB809 Develop an urban forest management framework

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has developed an urban forest management framework for a specified geographic location, including:

- investigated models of urban forest management
- established key performance metrics and outcomes from client brief
- determined data sets required for objectives of managing the resources according to stakeholder needs
- analysed urban forest for resources
- determined agents and conditions affecting urban forest health
- analysed species spatial geography using geographical information systems (GIS)
- determined canopy density targets
- determined objectives and outcomes of urban forest to community
- determined asset value of trees and forest according to client brief and industry benchmarks
- performed cost-benefit analysis of forest assets
- analysed variation in asset value within variables
- analysed and reviewed policy documents for meeting performance metrics and desired outcomes
- determined statutory, liability and risk affecting urban forests
- identified stakeholder requirements and perceptions
- evaluated extent of impact and outcomes of proposed policy documents
- recorded and reported policy determinations on tree assets
- documented an urban forest management policy
- developed a conceptual framework for urban forest management
- determined requirements for street tree master plans according to client brief
- set vision and objective statements
- determined quantifiable goals

- established and maintained inventories and databases according to client brief
- developed implementation and operational plans
- developed and documented an urban forest management plan.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- urban forests and their benefits to community, including:
  - models of urban forest management
  - objectives, outcomes and performance metrics of urban forests
  - maintaining urban forest health
  - tree anatomy, physiology, pathology, tree dynamics and edaphic environment in relation to urban forest management
  - urban forest as a resource
- quantifying the urban forest as an asset, including:
  - measuring and data sets
  - spatial analysis of trees and forests, and the use of geographical information systems (GIS)
  - canopy density targets
  - asset value of single tree
  - asset value of forest
  - value criteria
  - relevant benchmarks
  - cost-benefit analysis
  - competing views of forest values
- community objectives and outcomes of urban forests, including:
  - social
  - environmental
  - public health
  - economic
  - aesthetic terms
- measuring the performance of urban forests, including:
  - performance metrics
  - stakeholder requirements and perceptions
- design and development of urban forest policies and management plans, including:
  - conceptual framework of managing urban forests
  - street tree master plans
  - vision statements and their role in management plans
  - setting and documenting achievable and quantifiable goals and objectives
- maintaining accurate and accessible tree inventories, including:

- mapping and managing data
- data management software
- inventories and databases
- setting and planning the implementation of management plans, including:
  - urban forest operational plans
  - the urban forest management plans.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - an urban community with trees and forests or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - computer with word processing software
- specifications:
  - standard procedures and quality standards for developing urban forest plans
  - client brief.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. In particular, assessors must have:

- arboriculture vocational competencies at least to the level being assessed
- current arboriculture industry skills directly relevant to the unit of competency being assessed.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72