

## Milestone 4.3 Attachment F

### Provide evidence of energy efficiency (relationship between monitored irrigation/crop data and energy consumption)

This analysis considers direct cost and savings related to efficiency gains from the pumping drive unit and the input value of solar generation.

**Re Milestone 3.3 information** - Data to end June 2018 is based on whole of season estimate (Season 2017/2018 for harvest June to December 2018) and crop demand and growth estimates are therefore a 12 month period – irrigation is for the start of the project in January 2018 – irrigation over this period is relevant in this instance as no irrigation occurred in the winter, spring and early summer months of 2017 due to excessive rainfall events.

**Re Milestone 4.3 information** - Data to end December 2018 is based on the winter, spring and early summer period of 2018 (Season 2018/2019 for harvest June to December 2019). The crop estimate is a yield based on the current progress of the crop and crop demand, growth estimates and economic analysis are therefore specific to the current 6 month period.

It is probable that with onset of summer and higher growth rates that there will be a realigning of production costs as harvestable product increases against input costs.

			Date	Farm average Growth cm	Estimated tc/ha/100cm at harvest	Estimated tc/ha progressive	Area irrigated ha 2019 crop	Estimated tc/farm	Season crop water demand (mm)	Applied Irrigation (mm)	Irrigation as % of crop water demand
Milestone 3.3 - final crop estimate for 2018 harvest			30-Jun-18	190	45	45	38.5	3311	938	90	9.6
Milestone 4.3 - progressive crop estimate for 2019 harvest			31-Dec-18	100	45	45	55	2475	382	90	23.56

[illegible]