

Investment Planning

A specific study in [Petroleum Production](#) with a focus on prioritising [production](#) development and maintenance procedures based on their expected [NPV](#) / [PI](#) value.

In its simple form it can be thought as a spreadsheet with [production](#) development and maintenance procedures sorted out by a simple descending filter so that highest [NPV](#) / [PI](#) values are at the top of the list.

Investment Period = 5 years

	Facility	Action	Budget, M\$	NPV, M\$	PI, %
1	Oil producer W-12	Drilling	1.0	0.8	80%
2	Water Injector W-04	Water shut-off	0.3	0.2	60%
3	Oil producer W-03	Rate Optimisation	0.2	0.2	100%
4	Oil producer W-12	Bullhead Acidizing	0.03	0.1	333 %
5	Booster Pump BP-12	Installation			
6	Oil producer W-09	Pressure Testing	0.01	–	–
7	Water Injector W-04	Production Logging	0.05	–	–

Depending on application (long-term [MDP](#), short-term [FDP](#), routine [WRM](#) etc) the [Investment Planning](#) metrics and workflow may vary and selection of [production](#) development and maintenance procedures is normally based on either:

- Fixed investment budget
- [NPV](#) threshold
- [PI](#) threshold

See Also

[Petroleum Industry](#) / [Upstream](#) / [Production](#)

[[Field Development Planning](#)] [[Well & Reservoir Management](#)]