

In finance, the net present value (NPV) or net present worth (NPW) of a time series of cash flows, both incoming and outgoing, is defined as the sum of the present values (PVs) of the individual cash flows of the same entity.

$$NPV = \sum_{t=1}^T \frac{C_t}{(1+r)^t} - C_0$$

Year	CF	NCF
0	-10000	-10000
1	2800	2545,455
2	2800	2314,05
3	2800	2103,681
4	2800	1912,438
5	2800	1738,58
6	2800	1580,527
7	2800	1436,843
8	2800	1306,221
9	2800	1187,473
10	2800	1079,521
11	2800	981,3829
12	2800	892,1663
13	2800	811,0603
14	2800	737,3275
15	2800	670,2977
16	2800	609,3616
17	2800	553,9651
18	2800	503,6046
19	2800	457,8224
20	2800	416,2022
NPV		13837,98

According to the results the project will be profitable and should be introduced.