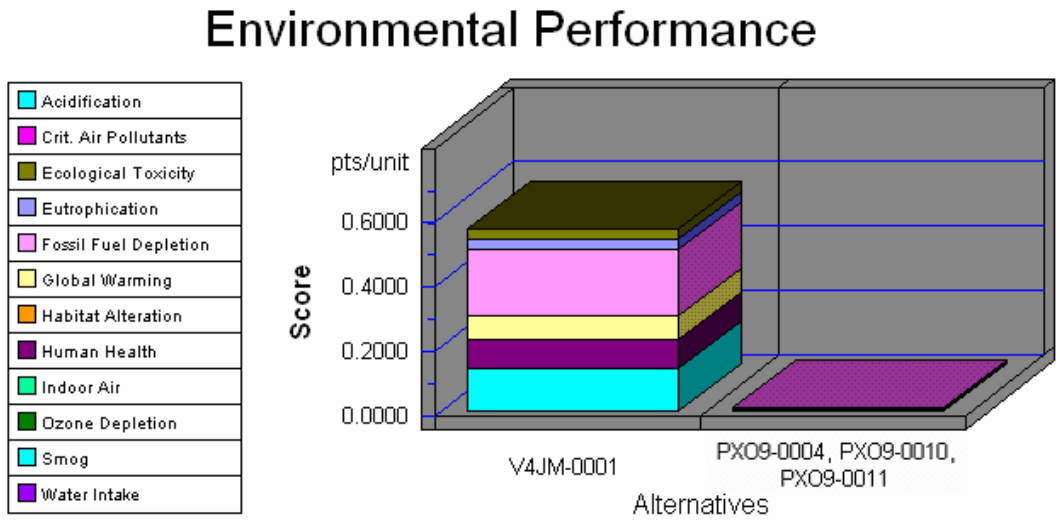
Biodegradable Films

Functional Unit: 1 Kilogram

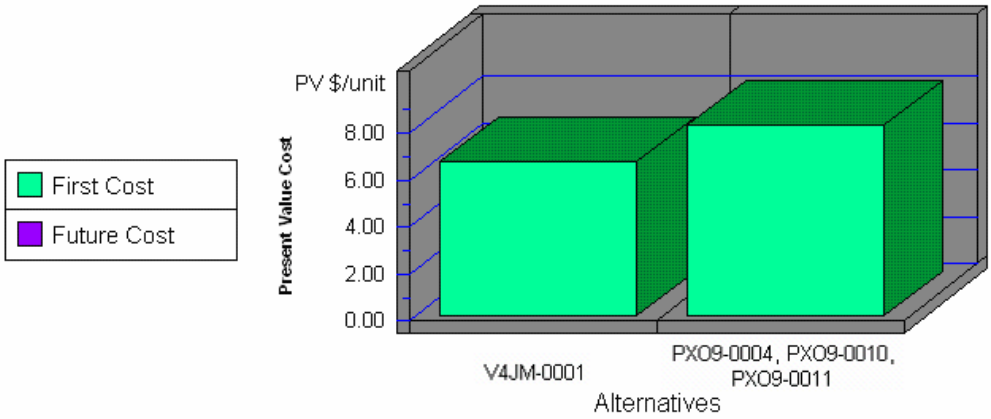


Note: Lower values are better

Category	V4JM-0001	PXO9-0004, PXO9-0010, PXO9-0011
Acidification--5%	0.0001	0.0000
Crit. Air Pollutants--6%	0.0046	0.0001
Ecolog. Toxicity--11%	0.0277	0.0006
Eutrophication--5%	0.0330	0.0005
Fossil Fuel Depl.--5%	0.2052	0.0084
Global Warming--16%	0.0717	0.0020
Habitat Alteration--16%	0.0000	0.0000
Human Health--11%	0.0893	0.0020
Indoor Air--11%	0.0000	0.0000
Ozone Depletion--5%	0.0000	0.0000
Smog--6%	0.1365	0.0012
Water Intake--3%	0.0001	0.0002
Sum	0.5682	0.0150

Biodegradable Films (continued)

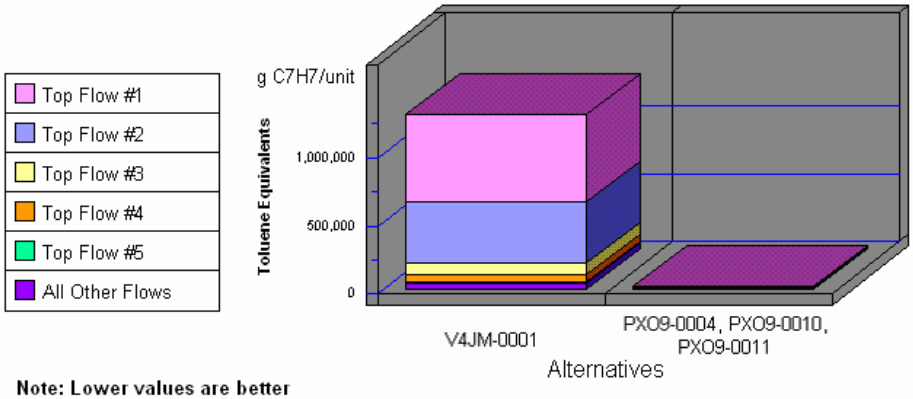
Economic Performance



Category	V4JM-0001	PXO9-0004, PXO9-0010, PXO9-0011
First Cost	6.60	8.17
Future Cost-- 3.9%	0.00	0.00
Sum	6.60	8.17

*No significant/quantifiable durability differences were identified among competing alternatives. Therefore, future costs were not calculated.

Human Health by Sorted Flows*



Note: Lower values are better

Category	V4JM-0001	PXO9-0004, PXO9-0010, PXO9-0011
Cancer--(w) Arsenic (As3+, As5+	643,670.68	11,513.79
Cancer--(w) Phenol (C6H5OH)	443,395.40	12,427.90
Cancer--(a) Dioxins (unspecifie	91,519.46	2,554.12
Cancer--(a) Arsenic (As)	50,293.12	825.39
Noncancer--(w) Barium (Ba++)	15,897.97	321.74
All Others	43,601.41	1,082.52
Sum	1,288,378.04	28,725.47

*Sorted by five topmost flows for worst-scoring product