

Quarry study results completed over the past two years:

These figures have been gathered over the past couple of years and give a good indication of the kinds of savings that can be made:

Quarries

Total sites audited	23
Total energy use (kWh) of sites audited	64,895,456
Total energy spend (\$) of sites audited	\$5,380,731
CO ₂ savings identified (T)	355

Energy savings identified	Energy use (kWh) savings	% of energy use	Energy spend (\$) savings	% of energy spend
Total identified savings achievable in less than 1 year	1,052,956	2%	\$334,604	6%
Total identified savings achievable in 1 - 5 years	4,146,937	6%	\$555,300	10%
Total identified savings	5,199,893	8%	\$889,904	16%

Concrete Casting Yards

Total sites audited	7
Total energy use (kWh) of sites audited	6,694,734
Total energy spend (\$) of sites audited	\$832,293
CO ₂ savings identified (T)	292

Energy savings identified	Energy use (kWh) savings	% of energy use	Energy spend (\$) savings	% of energy spend
Total identified savings achievable in less than 1 year	329,514	5%	\$34,457	4%
Total identified savings achievable in 1 - 5 years	447,278	7%	\$111,803	13%
Total identified savings	776,792	12%	\$146,260	17%

Bitumen Plants

Note: these numbers look particularly good, however because only 4 bitumen plants have been audited.

Total sites audited	4
Total energy use (kWh) of sites audited	24,904,897
Total energy spend (\$) of sites audited	\$1,388,642
CO ₂ savings identified (T)	1,106

Energy savings identified	Energy use (kWh) savings	% of energy use	Energy spend (\$) savings	% of energy spend
Total identified savings achievable in less than 1 year	3,652,323	15%	\$144,353	10%
Total identified savings achievable in 1 - 5 years	6,535,215	26%	\$227,310	16%
Total identified savings	10,187,538	41%	\$371,663	26%

Asphalt Plants

Total sites audited	19
Total energy use (kWh) of sites audited	60,845,857
Total energy spend (\$) of sites audited	\$4,477,108
CO ₂ savings identified (T)	606

Energy savings identified	Energy use (kWh) savings	% of energy use	Energy spend (\$) savings	% of energy spend
Total identified savings achievable in less than 1 year	654,533	1%	\$526,488	12%
Total identified savings achievable in 1 - 5 years	2,087,562	3%	\$190,769	4%
Total identified savings	2,742,095	4%	\$717,257	16%