Current industry Model **Wash and re wash**

Summary comparisson to acheive a 100 % clean surface over 12 years
Assume first wash occurs 24 mths after a new building is built

Water used to wash 1 sq mtr area 7.6 ltr

Assume re wash year is in Years 3, 6 ,9 and 12
Insert Total site sq mtrs to be protected in J6 120000 sq mtrs
Total areas maintained
Maintained sq mtrs of surfaces 12 years 120000

New tanks or Buildings

0 to 12 year costing

Wash and rewash practice

Years	Cost to wash	sq mtrs	Activity	water usage Ltrs	days	Power usage kw	Labour Hrs
1							
2	$79,200	40000	wash	304000	62	4615	615
3	$79,200	40000	wash	304000	62	4615	615
4	$79,200	40000	wash	304000	62	4615	615
5	$79,200	40000	wash	304000	62	4615	615
6	$79,200	40000	wash	304000	62	4615	615
7	$79,200	40000	wash	304000	62	4615	615
8	$79,200	40000	wash	304000	62	4615	615
9	$79,200	40000	wash	304000	62	4615	615
10	$79,200	40000	wash	304000	62	4615	615
11	$79,200	40000	wash	304000	62	4615	615
12	$79,200	40000	wash	304000	62	4615	615
Totals	$871,200	**120000**		3344000.0	677	50769	6769
	Clean costs	**$871,200**	12 years				
	$ / sq mtr	**$7.26**					

Typical cost to wash and rewash Years 1 to 12

Fiera Model **1 coat of 115 um / applicaton every 6 years**

Assume MS 727 is applied 12 mths after a new building is built
Life cycle of one coat application = 6 years

Apply year 2 and year 7

Total areas maintained
Maintained sq mtrs of surfaces 12 years 120000

New tanks or Buildings

0 to 12 year costing

MS 727 12 year program

Years	Cost to apply	sq mtrs	Activity	water usage Ltrs	days	power usage kw	Labour hrs
1							
2	$79,200	40000	Apply 727	0	33	2475	330
3	$79,200	40000	Apply 727	0	33	2475	330
4	$79,200	40000	Apply 727	0	33	2475	330
5				0			
6				0			
7	$79,200	40000	reapply	0	33	2475	330
8	$79,200	40000	reapply	0	33	2475	330
9	$79,200	40000	reapply	0	33	2475	330
10							
11							
12							
Totals	$475,200	**120,000**			198	14850	660
	Apply costs	**$475,200**	**12 years**				
	$/sq mtr	**$3.96**					

MS 727 costs to apply and protect Years 1 to 12

Notes
Industry rate to wash set at $1.98 / sq mtr
Fiera cost to supply and apply set at $1.98 sq mtr
Labour rate used is $25 / hr to reflect typical cellar hand rates

Total water used to maintain 120,000 sq mtrs
Old Model

Total **Power** used	50769	kwatts
Total **Water** used	3344000.0	Ltrs
Re treated water qty through on site systems	3344000.0	Ltrs

Total water used to maintain 120,000 sq mtrs
New Model

Total **Power** used	14850	kwatts
Total **Water** used	0	Ltrs
Re treated water qty through on site systems	0	Ltrs