

EXHIBIT W

Global Treatment Bond/Trust Calculator

TREATMENT BOND/TRUST CALCULATOR

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Prepared For: **CONSOL Energy Post-Mining Discharge Treatment Trust**
 Treatment System(s) ID: **Global Treatment Bond/Trust Calculator**

Date (mm/dd/yy): **July 19, 2024**

Inflation Rate:	3.1%
Yrs to Treat start:	0
Annual Treatment Cost:	\$2,781,048.80
Trust Fees:	1.50%
Bond (not needed for rec):	\$0.00
Investment Ratios:	
stock:	80%
bond:	20%
Effective Rate of Return:	8.43%
Volatility Index:	1.16
Rec Bond Rate of Return:	6.00%
Remaining Time on Permit:	5 years

<u>Options</u>	<u>O&M only</u>	<u>Total with Recap</u>	<u>Total with Recap & Insurance</u>	
option #1				
conventional bond:	\$114,952,736.14	\$114,952,736.14	\$120,487,809.00	bond in year
bond adjustment:	\$114,952,736.14	\$114,952,736.14	\$120,487,809.00	6
option #2				
fully funded trust:	\$63,751,656.53	\$72,547,641.53	\$74,210,694.81	trust in year 1

PV of Recap (todays \$\$) @ 8.43% Eff RoR & 3.1% Inf:	\$8,795,985.00 for trust in year 1
PV of Recap (todays \$\$) @ 6.00% Eff RoR & 3.1% Inf:	for bond in year 1 \$0.00 for bond in year 6

Liability Insurance Factor @ \$1.00 per year, per \$1000 in the total PV of the Trust:	\$72,547.64 per year	PV Insurance: \$1,663,053.28
Liability Insurance Factor @ \$1.00 per year, per \$1000 in total Bond:	\$114,952.74 per year	PV Insurance: \$4,751,492.15

Fields in RED can be updated

Fields in BLUE are fixed or calculated

Fields in GREEN are partial amounts

Highlighted Fields in GREEN are final amounts