1TOil =36MBtu
1MTOil =36BBtu
1,000BAR =150Tonne
ERsurface =5.6MBSF
ERatmph =4.4MBTon
Rheat =A x E x T^4 x 0.173 x 10^-8
PolarIce =5.6x10^15 x 200 x 60 /2,400/0.9 =31x10^15Ton
PolarIce =5.6x10^15 x 200 x 60 x 500 /0.9 =156x10^18Btu

POLAR EQUILIBRIUM TABLE 1

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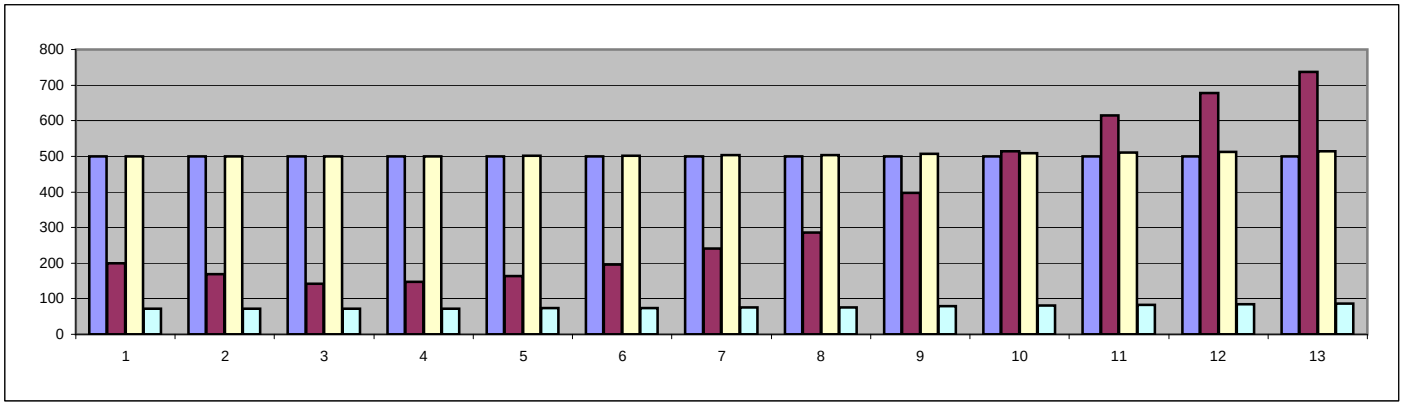
ICEFACT= 0%

	PERIOD	UNITS	1900	1920	1940	1960	1980	1990	2000	2010	2020	2040	2060	2080	2100
	Mult-factor	xx	10	10	10	10	10	10	10	10	20	20	20	20	20
A	**Carbon production;**														
1	Global Oil	B-BAR/y	0.00	0.80	2.00	20.00	20.00	25.00	30.00	25.00	20.00	18.00	9.00	2.50	2.00
2	Global Oil	BTOilEq	0.00	0.12	0.30	3.00	3.00	3.75	4.50	3.75	3.00	2.70	1.35	0.38	0.30
3	Global Coal	BTOilEq	0.40	0.60	0.80	1.30	1.80	2.20	2.20	2.50	**3.70**	**3.80**	**3.70**	**2.25**	**1.75**
4	Global Gas	BTOilEq	0.00	0.10	0.20	0.40	1.20	1.70	2.20	2.50	**3.10**	**3.50**	**3.80**	**3.90**	**4.00**
5	CARBGross	BTOilEq	0.40	0.82	1.30	4.70	6.00	7.65	8.90	8.75	9.80	10.00	8.85	6.53	6.05
6	CARBHeat	MBBtu/y	14	30	47	169	216	275	320	315	353	360	319	235	218
7	CARBCO2	BTon/y	1.5	3.1	5.0	17.9	22.9	29.2	33.9	33.4	37.4	38.1	33.8	24.9	23.1
B	**Particle balance;**														
1	CARBPart	ppm	0.34	0.70	1.11	4.00	5.10	6.50	7.57	7.44	8.33	8.50	7.52	5.55	5.14
2	AMZCO2-	ppm	2.00	1.95	1.90	1.85	1.80	1.75	1.70	1.65	1.60	1.55	1.50	1.45	1.40
3	RESCO2-	ppm	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00	0.90	0.80
4	GBLC02-	ppm	4.00	3.85	3.70	3.55	3.40	3.25	3.10	2.95	2.80	2.65	2.50	2.35	2.20
5	REFCO2	ppm	200	168	143	147	164	196	241	286	397	514	614	678	737
C	**Rad heat balance;**														
1	ERTRad-E	NIL	**0.4**	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2	SOLRad-E	NIL	**0.8**	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3	Etemp-m	Renkin	500	500	500	500	500	500	500	500	500	500	500	500	500
4	ERadLoss	Btu/SF	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25
5	ERadLoss	MBBtu/h	242	242	242	242	242	242	242	242	242	242	242	242	242
6	SolRadIN	Btu/SF	240	240	240	240	240	240	240	240	240	240	240	240	240
7	SolRadIN	MBBtu/h	336	336	336	336	336	336	336	336	336	336	336	336	336
8	GainRad	MBBtu/h	94	94	94	94	94	94	94	94	94	94	94	94	94
9	**ICEFACT%**	**0**	**100**	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
D	**Total heat balance;**														
1	GainRad	MBBtu/h	94	94	94	94	94	94	94	94	94	94	94	94	94
2	CARBHeat	MBBtu/y	14	30	47	169	216	275	320	315	353	360	319	235	218
3	CARBStore	MBBtu/y	169	163	157	150	144	138	131	125	119	112	106	100	93
4	NETHEAT	MBBtu/y	-61	-40	-16	113	166	232	283	284	328	342	307	229	218
5	DIFFTemp	Renkin	-0.02	-0.02	-0.01	0.043	0.063	0.088	0.107	0.108	0.124	0.129	0.116	0.087	0.083
6	NEWTemp	Renkin	**500.0**	**499.8**	**499.8**	**500.2**	**500.8**	**501.7**	**502.8**	**503.9**	**506.4**	**508.9**	**511.3**	**513.0**	**514.7**
7	NEWTemp	Farenheit	72.0	71.8	71.8	72.2	72.8	73.7	74.8	75.9	78.4	80.9	83.3	85.0	86.7
8	NEWTemp	Kelvin	296.7	296.6	296.6	296.9	297.2	297.8	298.4	299.0	300.5	302.0	303.4	304.5	305.4
9	NEWTemp	Celcius	23.74	23.65	23.61	23.87	24.24	24.76	25.4	26.03	27.51	29.04	30.42	31.45	32.44

	Etemp-m	Renkin	500	500	500	500	500	500	500	500	500	500	500	500	500
	REFCO2	ppm	200	168	143	147	164	196	241	286	397	514	614	678	737
	NEWTemp	**Renkin**	**500.0**	**499.8**	**499.8**	**500.2**	**500.8**	**501.7**	**502.8**	**503.9**	**506.4**	**508.9**	**511.3**	**513.0**	**514.7**
	NEWTemp	Faranheit	72.0	71.8	71.8	72.2	72.8	73.7	74.8	75.9	78.4	80.9	83.3	85.0	86.7



1TOil =36MBtu
1MTOil =36BBtu
1,000BAR =150Tonne
ERsurface =5.6MBSF
ERatmph =4.4MBTon
Rheat =A x E x T^4 x 0.173 x 10^-8
PolarIce =5.6x10^15 x 200 x 60 /2,400/0.9 =31x10^15Ton
PolarIce =5.6x10^15 x 200 x 60 x 500 /0.9 =156x10^18Btu

POLAR EQUILIBRIUM TABLE 2

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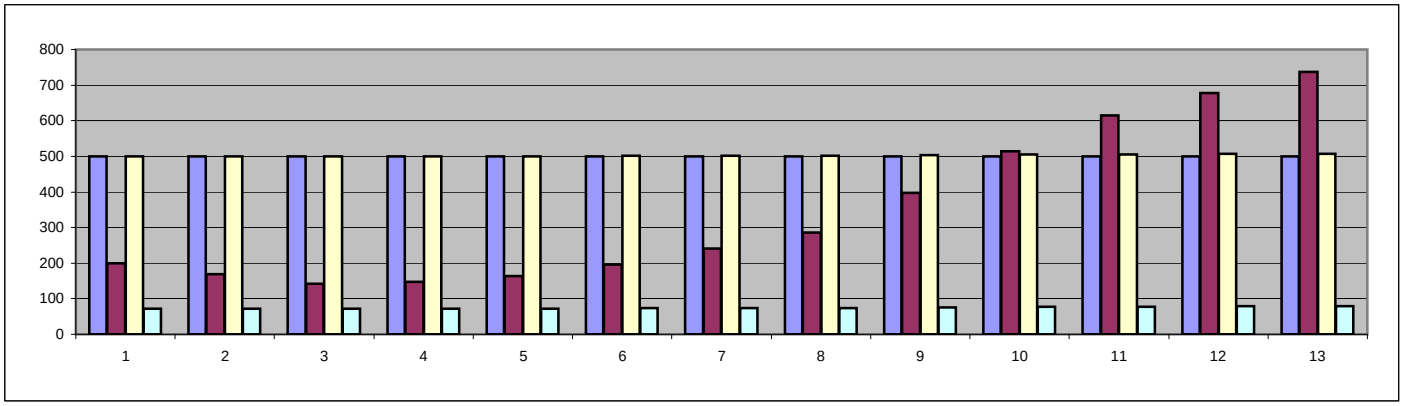
ICEFACT= 50%

	PERIOD	UNITS	1900	1920	1940	1960	1980	1990	2000	2010	2020	2040	2060	2080	2100
	Mult-factor	xx	10	10	10	10	10	10	10	10	20	20	20	20	20
A	**Carbon production;**														
1	Global Oil	B-BAR/y	0.00	0.80	2.00	20.00	20.00	25.00	30.00	25.00	20.00	18.00	9.00	2.50	2.00
2	Global Oil	BTOilEq	0.00	0.12	0.30	3.00	3.00	3.75	4.50	3.75	3.00	2.70	1.35	0.38	0.30
3	Global Coal	BTOilEq	0.40	0.60	0.80	1.30	1.80	2.20	2.20	2.50	**3.70**	**3.80**	**3.70**	**2.25**	**1.75**
4	Global Gas	BTOilEq	0.00	0.10	0.20	0.40	1.20	1.70	2.20	2.50	**3.10**	**3.50**	**3.80**	**3.90**	**4.00**
5	CARBGross	BTOilEq	0.40	0.82	1.30	4.70	6.00	7.65	8.90	8.75	9.80	10.00	8.85	6.53	6.05
6	CARBHeat	MBBtu/y	14	30	47	169	216	275	320	315	353	360	319	235	218
7	CARBCO2	BTon/y	1.5	3.1	5.0	17.9	22.9	29.2	33.9	33.4	37.4	38.1	33.8	24.9	23.1
B	**Particle balance;**														
1	CARBPart	ppm	0.34	0.70	1.11	4.00	5.10	6.50	7.57	7.44	8.33	8.50	7.52	5.55	5.14
2	AMZCO2-	ppm	2.00	1.95	1.90	1.85	1.80	1.75	1.70	1.65	1.60	1.55	1.50	1.45	1.40
3	RESCO2-	ppm	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00	0.90	0.80
4	GBLC02-	ppm	4.00	3.85	3.70	3.55	3.40	3.25	3.10	2.95	2.80	2.65	2.50	2.35	2.20
5	REFCO2	ppm	200	168	143	147	164	196	241	286	397	514	614	678	737
C	**Rad heat balance;**														
1	ERTRad-E	NIL	**0.4**	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2	SOLRad-E	NIL	**0.8**	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3	Etemp-m	Renkin	500	500	500	500	500	500	500	500	500	500	500	500	500
4	ERadLoss	Btu/SF	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25
5	ERadLoss	MBBtu/h	242	242	242	242	242	242	242	242	242	242	242	242	242
6	SolRadIN	Btu/SF	240	240	240	240	240	240	240	240	240	240	240	240	240
7	SolRadIN	MBBtu/h	336	336	336	336	336	336	336	336	336	336	336	336	336
8	GainRad	MBBtu/h	94	94	94	94	94	94	94	94	94	94	94	94	94
9	**ICEFACT%**	**50**	**100**	99.7	99.4	99.1	98.8	98.5	98.2	97.9	97.3	96.7	96.1	95.5	94.9
D	**Total heat balance;**														
1	GainRad	MBBtu/h	94	94	94	94	94	94	94	94	94	94	94	94	94
2	CARBHeat	MBBtu/y	14	30	47	169	216	275	320	315	353	360	319	235	218
3	CARBStore	MBBtu/y	169	163	157	150	144	138	131	125	119	112	106	100	93
4	NETHEAT	MBBtu/y	-61	-40	-16	113	166	232	283	284	328	342	307	229	218
5	DIFFTemp	Renkin	-0.01	-0.01	-0	0.021	0.031	0.044	0.054	0.054	0.062	0.065	0.058	0.043	0.041
6	NEWTemp	Renkin	**500.0**	**499.9**	**499.9**	**500.1**	**500.4**	**500.9**	**501.4**	**501.9**	**503.2**	**504.5**	**505.6**	**506.5**	**507.3**
7	NEWTemp	Farenheit	72.0	71.9	71.9	72.1	72.4	72.9	73.4	73.9	75.2	76.5	77.6	78.5	79.3
8	NEWTemp	Kelvin	296.7	296.7	296.7	296.8	297.0	297.2	297.6	297.9	298.6	299.4	300.1	300.6	301.1
9	NEWTemp	Celcius	23.74	23.69	23.68	23.8	23.99	24.25	24.6	24.89	25.62	26.39	27.08	27.6	28.09

	Etemp-m	Renkin	500	500	500	500	500	500	500	500	500	500	500	500	500
	REFCO2	ppm	200	168	143	147	164	196	241	286	397	514	614	678	737
	NEWTemp	**Renkin**	**500.0**	**499.9**	**499.9**	**500.1**	**500.4**	**500.9**	**501.4**	**501.9**	**503.2**	**504.5**	**505.6**	**506.5**	**507.3**
	NEWTemp	Faranheit	72.0	71.9	71.9	72.1	72.4	72.9	73.4	73.9	75.2	76.5	77.6	78.5	79.3



1TOil =36MBtu
1MTOil =36BBtu
1,000BAR =150Tonne
ERsurface =5.6MBSF
ERatmph =4.4MBTon
Rheat =A x E x T^4 x 0.173 x 10^-8
PolarIce =5.6x10^15 x 200 x 60 /2,400/0.9 =31x10^15Ton
PolarIce =5.6x10^15 x 200 x 60 x 500 /0.9 =156x10^18Btu

POLAR EQUILIBRIUM TABLE 3

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ICEFACT= 100%

	PERIOD	UNITS	1900	1920	1940	1960	1980	1990	2000	2010	2020	2040	2060	2080	2100
	Mult-factor	xx	10	10	10	10	10	10	10	10	20	20	20	20	20
A	**Carbon production;**														
1	Global Oil	B-BAR/y	0.00	0.80	2.00	20.00	20.00	25.00	30.00	25.00	20.00	18.00	9.00	2.50	2.00
2	Global Oil	BTOilEq	0.00	0.12	0.30	3.00	3.00	3.75	4.50	3.75	3.00	2.70	1.35	0.38	0.30
3	Global Coal	BTOilEq	0.40	0.60	0.80	1.30	1.80	2.20	2.20	2.50	**3.70**	**3.80**	**3.70**	**2.25**	**1.75**
4	Global Gas	BTOilEq	0.00	0.10	0.20	0.40	1.20	1.70	2.20	2.50	**3.10**	**3.50**	**3.80**	**3.90**	**4.00**
5	CARBGross	BTOilEq	0.40	0.82	1.30	4.70	6.00	7.65	8.90	8.75	9.80	10.00	8.85	6.53	6.05
6	CARBHeat	MBBtu/y	14	30	47	169	216	275	320	315	353	360	319	235	218
7	CARBCO2	BTon/y	1.5	3.1	5.0	17.9	22.9	29.2	33.9	33.4	37.4	38.1	33.8	24.9	23.1
B	**Particle balance;**														
1	CARBPart	ppm	0.34	0.70	1.11	4.00	5.10	6.50	7.57	7.44	8.33	8.50	7.52	5.55	5.14
2	AMZCO2-	ppm	2.00	1.95	1.90	1.85	1.80	1.75	1.70	1.65	1.60	1.55	1.50	1.45	1.40
3	RESCO2-	ppm	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.00	0.90	0.80
4	GBLC02-	ppm	4.00	3.85	3.70	3.55	3.40	3.25	3.10	2.95	2.80	2.65	2.50	2.35	2.20
5	REFCO2	ppm	200	168	143	147	164	196	241	286	397	514	614	678	737
C	**Rad heat balance;**														
1	ERTRad-E	NIL	**0.4**	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2	SOLRad-E	NIL	**0.8**	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3	Etemp-m	Renkin	500	500	500	500	500	500	500	500	500	500	500	500	500
4	ERadLoss	Btu/SF	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25	43.25
5	ERadLoss	MBBtu/h	242	242	242	242	242	242	242	242	242	242	242	242	242
6	SolRadIN	Btu/SF	240	240	240	240	240	240	240	240	240	240	240	240	240
7	SolRadIN	MBBtu/h	336	336	336	336	336	336	336	336	336	336	336	336	336
8	GainRad	MBBtu/h	94	94	94	94	94	94	94	94	94	94	94	94	94
9	**ICEFACT%**	**100**	**100**	99.4	98.8	98.2	97.6	97.0	96.4	95.8	94.6	93.4	92.2	91.0	89.8
D	**Total heat balance;**														
1	GainRad	MBBtu/h	94	94	94	94	94	94	94	94	94	94	94	94	94
2	CARBHeat	MBBtu/y	14	30	47	169	216	275	320	315	353	360	319	235	218
3	CARBStore	MBBtu/y	169	163	157	150	144	138	131	125	119	112	106	100	93
4	NETHEAT	MBBtu/y	-61	-40	-16	113	166	232	283	284	328	342	307	229	218
5	DIFFTemp	Renkin	0	0	0	0	0	0	0	0	0	0	0	0	0
6	NEWTemp	Renkin	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**
7	NEWTemp	Farenheit	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
8	NEWTemp	Kelvin	296.7	296.7	296.7	296.7	296.7	296.7	296.7	296.7	296.7	296.7	296.7	296.7	296.7
9	NEWTemp	Celcius	23.74	23.74	23.74	23.74	23.74	23.74	23.7	23.74	23.74	23.74	23.74	23.74	23.74

	Etemp-m	Renkin	500	500	500	500	500	500	500	500	500	500	500	500	500
	REFCO2	ppm	200	168	143	147	164	196	241	286	397	514	614	678	737
	NEWTemp	**Renkin**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**	**500.0**
	NEWTemp	Faranheit	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0