

Mitigated Criteria Temporal Summary

Month 1

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
FSF Grading/Roads/Earthwork	1.24	23.28	18.23	31.67	4.15
FSF Solar Panel Construction	1.61	30.33	22.31	54.57	6.66
Ferrell Solar Farm Total	2.85	53.62	40.54	86.24	10.82
LSF Grading/Roads/Earthwork	0.98	16.98	17.43	14.81	2.30
LSF Solar Panel Construction	1.14	18.90	20.85	24.94	3.41
LSF Substation and O&M Building Construction	1.33	5.52	11.38	7.55	1.27
Lyons Solar Farm Total	3.45	41.40	49.66	47.30	6.99
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>6.3</i>	<i>95.0</i>	<i>90.2</i>	<i>133.5</i>	<i>17.8</i>

Month 2

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
FSF Solar Panel Construction	1.61	30.33	22.31	54.57	6.66
Ferrell Solar Farm Total	1.61	30.33	22.31	54.57	6.66
LSF Solar Panel Construction	1.14	18.90	20.85	24.94	3.41
LSF Substation and O&M Building Construction	1.33	5.52	11.38	7.55	1.27
Lyons Solar Farm Total	2.47	24.42	32.23	32.49	4.69
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>4.1</i>	<i>54.8</i>	<i>54.5</i>	<i>87.1</i>	<i>11.4</i>

Month 3

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
FSF Solar Panel Construction	1.61	30.33	22.31	54.57	6.66
FSF Substation and O&M Building Construction	0.44	6.85	8.10	6.77	0.98
Ferrell Solar Farm Total	2.06	37.19	30.41	61.34	7.64
LSF Solar Panel Construction	1.14	18.90	20.85	24.94	3.41
LSF Paving	0.19	3.00	3.72	1.42	0.32
Lyons Solar Farm Total	1.33	21.90	24.57	26.36	3.73
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>3.4</i>	<i>59.1</i>	<i>55.0</i>	<i>87.7</i>	<i>11.4</i>

Month 4

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
RSF Grading/Roads/Earthwork	1.29	24.53	18.39	34.83	4.50
Rockwood Solar Farm Total	1.29	24.53	18.39	34.83	4.50
FSF Solar Panel Construction	1.61	30.33	22.31	54.57	6.66
FSF Substation and O&M Building Construction	0.44	6.85	8.10	6.77	0.98
FSF Paving	0.21	3.57	3.79	2.91	0.48
Ferrell Solar Farm Total	2.27	40.76	34.20	64.24	8.12
LSF Solar Panel Construction	1.14	18.90	20.85	24.94	3.41
Lyons Solar Farm Total	1.14	18.90	20.85	24.94	3.41
IRIS Cluster Solar Project Monthly Total	4.7	84.2	73.4	124.0	16.0

Month 5

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
RSF Solar Panel Construction	1.71	32.60	22.60	60.44	7.31
RSF Substation and O&M Building Construction	0.45	7.12	8.14	7.46	1.05
Rockwood Solar Farm Total	2.16	39.72	30.74	67.90	8.36
FSF Solar Panel Construction	1.61	30.33	22.31	54.57	6.66
Ferrell Solar Farm Total	1.61	30.33	22.31	54.57	6.66
LSF Offsite Transmission Facilities	0.83	6.12	6.77	2.77	0.67
Lyons Solar Farm Total	0.83	6.12	6.77	2.77	0.67
IRIS Cluster Solar Project Monthly Total	4.6	76.2	59.8	125.2	15.7

Month 6

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Grading/Roads/Earthwork	1.44	28.28	18.87	44.75	5.59
Iris Solar Farm Total	1.44	28.28	18.87	44.75	5.59
RSF Substation and O&M Building Construction	0.45	7.12	8.14	7.46	1.05
Rockwood Solar Farm Total	0.45	7.12	8.14	7.46	1.05
FSF Offsite Transmission Facilities	0.88	7.27	6.92	5.74	0.99
Ferrell Solar Farm Total	0.88	7.27	6.92	5.74	0.99
IRIS Cluster Solar Project Monthly Total	2.8	42.7	33.9	57.9	7.6

Month 7

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	1.99	39.40	23.46	78.06	9.24
Iris Solar Farm Total	1.99	39.40	23.46	78.06	9.24
RSF Solar Panel Construction	1.71	32.60	22.60	60.44	7.31
RSF Paving	0.22	3.68	3.81	3.20	0.51
Rockwood Solar Farm Total	1.92	36.28	26.40	63.64	7.82
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>3.9</i>	<i>75.7</i>	<i>49.9</i>	<i>141.7</i>	<i>17.1</i>

Month 8

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	1.99	39.40	23.46	78.06	9.24
Iris Solar Farm Total	1.99	39.40	23.46	78.06	9.24
RSF Solar Panel Construction	1.71	32.60	22.60	60.44	7.31
Rockwood Solar Farm Total	1.71	32.60	22.60	60.44	7.31
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>3.7</i>	<i>72.0</i>	<i>46.1</i>	<i>138.5</i>	<i>16.5</i>

Month 9

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	1.99	39.40	23.46	78.06	9.24
Iris Solar Farm Total	1.99	39.40	23.46	78.06	9.24
RSF Solar Panel Construction	1.71	32.60	22.60	60.44	7.31
Rockwood Solar Farm Total	1.71	32.60	22.60	60.44	7.31
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>3.7</i>	<i>72.0</i>	<i>46.1</i>	<i>138.5</i>	<i>16.5</i>

Month 10

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	1.99	39.40	23.46	78.06	9.24
ISF Substation and O&M Building Construction	0.49	7.91	8.24	9.52	1.28
ISF Paving	0.23	4.02	3.85	4.08	0.61
Iris Solar Farm Total	2.70	51.34	35.55	91.66	11.13
RSF Offsite Transmission Facilities	0.89	7.49	6.95	6.33	1.06
Rockwood Solar Farm Total	0.89	7.49	6.95	6.33	1.06
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>3.6</i>	<i>58.8</i>	<i>42.5</i>	<i>98.0</i>	<i>12.2</i>

Month 11

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	1.99	39.40	23.46	78.06	9.24
ISF Substation and O&M Building Construction	0.49	7.91	8.24	9.52	1.28
Iris Solar Farm Total	2.47	47.32	31.71	87.58	10.52
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>2.5</i>	<i>47.3</i>	<i>31.7</i>	<i>87.6</i>	<i>10.5</i>

Month 12

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	1.99	39.40	23.46	78.06	9.24
ISF Offsite Transmission Facilities	0.92	8.17	7.03	8.09	1.25
Iris Solar Farm Total	2.90	47.58	30.50	86.16	10.49
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>2.9</i>	<i>47.6</i>	<i>30.5</i>	<i>86.2</i>	<i>10.5</i>
<i>IRIS Cluster Maximun Daily</i>	<i>6.3</i>	<i>95.0</i>	<i>90.2</i>	<i>141.7</i>	<i>17.8</i>
<i>Thresholds</i>	<i>75</i>	<i>550</i>	<i>100</i>	<i>150</i>	<i>N/A</i>
<i>Exceeds?</i>	<i>N</i>	<i>N</i>	<i>N</i>	<i>N</i>	

Unmitigated Criteria Temporal Summary

Month 1

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
FSF Grading/Roads/Earthwork	3.32	23.28	24.27	71.52	8.93
FSF Solar Panel Construction	3.31	30.33	27.32	125.86	14.76
Ferrell Solar Farm Total	6.63	53.62	51.60	197.38	23.69
LSF Grading/Roads/Earthwork	3.06	16.98	23.47	33.14	4.76
LSF Solar Panel Construction	2.84	18.90	25.87	57.18	7.30
LSF Substation and O&M Building Construction	1.33	5.52	11.38	7.55	1.27
Lyons Solar Farm Total	7.24	41.40	60.72	97.87	13.33
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>13.9</i>	<i>95.0</i>	<i>112.3</i>	<i>295.2</i>	<i>37.0</i>

Month 2

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
FSF Solar Panel Construction	3.31	30.33	27.32	125.86	14.76
Ferrell Solar Farm Total	3.31	30.33	27.32	125.86	14.76
LSF Solar Panel Construction	2.84	18.90	25.87	57.18	7.30
LSF Substation and O&M Building Construction	1.33	5.52	11.38	7.55	1.27
Lyons Solar Farm Total	4.17	24.42	37.25	64.73	8.57
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>7.5</i>	<i>54.8</i>	<i>64.6</i>	<i>190.6</i>	<i>23.3</i>

Month 3

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
FSF Solar Panel Construction	3.31	30.33	27.32	125.86	14.76
FSF Substation and O&M Building Construction	1.39	6.85	11.55	15.58	2.15
Ferrell Solar Farm Total	4.70	37.19	38.88	141.44	16.91
LSF Solar Panel Construction	2.84	18.90	25.87	57.18	7.30
LSF Paving	0.58	3.00	4.90	3.14	0.58
Lyons Solar Farm Total	3.43	21.90	30.76	60.32	7.88
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>8.1</i>	<i>59.1</i>	<i>69.6</i>	<i>201.8</i>	<i>24.8</i>

Month 4

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
RSF Grading/Roads/Earthwork	3.37	24.53	24.43	78.94	9.74
Rockwood Solar Farm Total	3.37	24.53	24.43	78.94	9.74
FSF Solar Panel Construction	3.31	30.33	27.32	125.86	14.76
FSF Substation and O&M Building Construction	1.39	6.85	11.55	15.58	2.15
FSF Paving	0.61	3.57	4.97	6.58	0.96
Ferrell Solar Farm Total	5.31	40.76	43.84	148.01	17.87
LSF Solar Panel Construction	2.84	18.90	25.87	57.18	7.30
Lyons Solar Farm Total	2.84	18.90	25.87	57.18	7.30
IRIS Cluster Solar Project Monthly Total	11.5	84.2	94.1	284.1	34.9

Month 5

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
RSF Solar Panel Construction	3.41	32.60	27.61	139.48	16.24
RSF Substation and O&M Building Construction	1.40	7.12	11.59	17.17	2.32
Rockwood Solar Farm Total	4.80	39.72	39.20	156.65	18.56
FSF Solar Panel Construction	3.31	30.33	27.32	125.86	14.76
Ferrell Solar Farm Total	3.31	30.33	27.32	125.86	14.76
LSF Offsite Transmission Facilities	1.44	6.12	8.40	6.04	1.17
Lyons Solar Farm Total	1.44	6.12	8.40	6.04	1.17
IRIS Cluster Solar Project Monthly Total	9.6	76.2	74.9	288.6	34.5

Month 6

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Grading/Roads/Earthwork	3.53	28.28	24.91	101.66	12.21
Iris Solar Farm Total	3.53	28.28	24.91	101.66	12.21
RSF Solar Panel Construction	3.41	32.60	27.61	139.48	16.24
RSF Substation and O&M Building Construction	1.40	7.12	11.59	17.17	2.32
Rockwood Solar Farm Total	4.80	39.72	39.20	156.65	18.56
FSF Offsite Transmission Facilities	1.49	7.27	8.55	12.92	1.92
Ferrell Solar Farm Total	1.49	7.27	8.55	12.92	1.92
IRIS Cluster Solar Project Monthly Total	9.8	75.3	72.7	271.2	32.7

Month 7

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	3.69	39.40	28.48	180.34	20.69
Iris Solar Farm Total	3.69	39.40	28.48	180.34	20.69
RSF Solar Panel Construction	3.41	32.60	27.61	139.48	16.24
RSF Paving	0.61	3.68	4.98	7.26	1.03
Rockwood Solar Farm Total	4.02	36.28	32.60	146.74	17.27
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>7.7</i>	<i>75.7</i>	<i>61.1</i>	<i>327.1</i>	<i>38.0</i>

Month 8

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	3.69	39.40	28.48	180.34	20.69
Iris Solar Farm Total	3.69	39.40	28.48	180.34	20.69
RSF Solar Panel Construction	3.41	32.60	27.61	139.48	16.24
Rockwood Solar Farm Total	3.41	32.60	27.61	139.48	16.24
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>7.1</i>	<i>72.0</i>	<i>56.1</i>	<i>319.8</i>	<i>36.9</i>

Month 9

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	3.69	39.40	28.48	180.34	20.69
Iris Solar Farm Total	3.69	39.40	28.48	180.34	20.69
RSF Solar Panel Construction	3.41	32.60	27.61	139.48	16.24
Rockwood Solar Farm Total	3.41	32.60	27.61	139.48	16.24
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>7.1</i>	<i>72.0</i>	<i>56.1</i>	<i>319.8</i>	<i>36.9</i>

Month 10

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	3.69	39.40	28.48	180.34	20.69
ISF Substation and O&M Building Construction	1.43	7.91	11.69	21.94	2.84
ISF Paving	0.63	4.02	5.03	9.30	1.25
Iris Solar Farm Total	5.74	51.34	45.19	211.58	24.78
RSF Offsite Transmission Facilities	1.50	7.49	8.58	14.29	2.06
Rockwood Solar Farm Total	1.50	7.49	8.58	14.29	2.06
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>7.2</i>	<i>58.8</i>	<i>53.8</i>	<i>225.9</i>	<i>26.8</i>

Month 11

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	3.69	39.40	28.48	180.34	20.69
ISF Substation and O&M Building Construction	1.43	7.91	11.69	21.94	2.84
Iris Solar Farm Total	5.12	47.32	40.17	202.28	23.53
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>5.1</i>	<i>47.3</i>	<i>40.2</i>	<i>202.3</i>	<i>23.5</i>

Month 12

Solar Farm/Phase	Unmitigated (lbs/day)				
	ROG	CO	NO _x	PM ₁₀	PM _{2.5}
ISF Solar Panel Construction	3.69	39.40	28.48	180.34	20.69
ISF Offsite Transmission Facilities	1.53	8.17	8.66	18.38	2.51
Iris Solar Farm Total	5.22	47.58	37.14	198.71	23.19
<i>IRIS Cluster Solar Project Monthly Total</i>	<i>5.2</i>	<i>47.6</i>	<i>37.1</i>	<i>198.7</i>	<i>23.2</i>
<i>IRIS Cluster Maximun Daily</i>	<i>13.9</i>	<i>95.0</i>	<i>112.3</i>	<i>327.1</i>	<i>38.0</i>
<i>Thresholds</i>	<i>75</i>	<i>550</i>	<i>100</i>	<i>150</i>	<i>N/A</i>
<i>Exceeds?</i>	<i>N</i>	<i>N</i>	<i>Y</i>	<i>Y</i>	

GHG Emissions Summary

Solar Farm	Category	GHG Emissions (tonnes)			
		CO ₂	CH ₄	N ₂ O	CO ₂ e
Iris Solar Farm	Grading/Roads/Earthwork	67.74	0.0358	0.028	77.24
	Solar Panel Construction	282.36	0.3038	0.2663	371.19
	Substation and O&M Building Construction	38.68	0.0158	0.0122	42.80
	Offsite Transmission Facilities	11.62	0.0070	0.0053	13.40
	Paving	3.18	0.0018	0.0014	3.66
	<i>Iris Solar Farm Total</i>		403.6	0.364	0.314
Rockwood Solar Farm	Grading/Roads/Earthwork	51.29	0.0231	0.018	57.21
	Solar Panel Construction	228.76	0.2200	0.1902	292.25
	Substation and O&M Building Construction	37.14	0.0129	0.0096	40.37
	Offsite Transmission Facilities	10.96	0.0057	0.0041	12.36
	Paving	2.41	2.4087	2.4087	2.41
	<i>Rockwood Solar Farm Total</i>		330.6	2.670	2.630
Ferrell Solar Farm	Grading/Roads/Earthwork	50.32	0.0213	0.016	55.68
	Solar Panel Construction	186.86	0.1711	0.1470	235.95
	Substation and O&M Building Construction	36.63	0.0119	0.0087	39.56
	Offsite Transmission Facilities	10.74	0.0053	0.0038	12.01
	Paving	2.36	0.0011	0.0008	2.65
	<i>Ferrell Solar Farm Total</i>		286.9	0.211	0.176
Lyons Solar Farm	Grading/Roads/Earthwork	34.08	0.01	0.01	35.99
	Solar Panel Construction	106.92	0.06	0.05	123.86
	Substation and O&M Building Construction	25.53	0.01	0.00	26.61
	Offsite Transmission Facilities	9.63	0.00	0.00	10.26
	Paving	1.61	0.00	0.00	1.72
	<i>Lyons Solar Farm Total</i>		176.2	0.081	0.061
<i>Grand Total for IRIS Cluster Solar Project</i>		1,197	3.33	3.18	1,455

Operational Emissions Summary

Solar Farm	Activity Type	Criteria Emissions (lbs/d)			
		ROG	CO	NO _x	PM ₁₀
Iris	Onsite Activity	0.005	0.163	0.022	0.003
	Offsite Activity	0.080	2.626	0.347	0.043
	<i>Iris Solar Farm Total</i>	0.08	2.79	0.37	0.05
Rockwood	Onsite Activity	0.005	0.163	0.022	0.003
	Offsite Activity	0.064	2.108	0.278	0.034
	<i>Rockwood Solar Farm Total</i>	0.07	2.27	0.30	0.04
Ferrell	Onsite Activity	0.005	0.163	0.022	0.003
	Offsite Activity	0.059	1.936	0.256	0.031
	<i>Ferrell Solar Farm Total</i>	0.06	2.10	0.28	0.03
Lyons	Onsite Activity	0.005	0.163	0.022	0.003
	Offsite Activity	0.033	1.072	0.142	0.017
	<i>Lyons Solar Farm Total</i>	0.04	1.24	0.16	0.02
<i>Maximum Daily for IRIS Cluster Solar Project</i>		0.3	8.4	1.1	0.1