

REPORT- ERV Energy Recovery Summary for: RTU-1 (Corridor DOAS)

WEATHER FILE- SEATTLE BOEING FI WA

AIR FLOW			POWER CONSUMPTION																	
OUTDOOR (CFM )	EXHAUST (CFM )	PURGE (CFM )	OA FAN (KW)	EXH FAN (KW)	HT EXCH (KW)	PREHEAT (KBTU/HR)														
2800.			2000.			0.			0.000			0.000			0.000			0.		
----- SENSIBLE -----			----- TOTAL -----			--- EXCESS			SENSIBLE --		-- POWER -		----- PREHEAT -----		-- HOURS -					
SUM		HEATING (MBTU)	COOLING (MBTU)	HEATING (MBTU)	COOLING (MBTU)	HEATING (MBTU)	COOLING (MBTU)	FANS&HX (KWH)	HEATING (MBTU)	ELECTRIC (KWH)	HEAT	COOL								
MON	PEAK	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	(KW)	(KBTU/HR)	(KW)										
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JAN	SUM	-41.788	0.000	-41.793	0.000	-0.001	0.000	0.000	0.000	0.000	744	0								
	PEAK	-95.035	0.000	-95.521	0.000	-0.011	0.000	0.000	0.000	0.000										
	DAY/HR	4/24	0/ 0	5/ 8	0/ 0	8/10	0/ 0	0/ 0	0/ 0	0/ 0										
FEB	SUM	-35.952	0.000	-35.971	0.000	-0.116	0.000	0.000	0.000	0.000	672	0								
	PEAK	-81.931	0.000	-83.842	0.000	-38.650	0.000	0.000	0.000	0.000										
	DAY/HR	27/ 7	0/ 0	27/ 7	0/ 0	22/17	0/ 0	0/ 0	0/ 0	0/ 0										
MAR	SUM	-34.628	0.024	-34.598	0.015	-2.780	0.024	0.000	0.000	0.000	740	4								
	PEAK	-75.393	8.568	-79.603	6.464	-59.809	8.568	0.000	0.000	0.000										
	DAY/HR	2/ 5	29/15	2/ 5	29/15	30/22	29/15	0/ 0	0/ 0	0/ 0										
APR	SUM	-30.655	0.000	-30.625	0.000	-18.070	0.000	0.000	0.000	0.000	720	0								
	PEAK	-71.870	0.000	-73.630	0.000	-56.465	0.000	0.000	0.000	0.000										
	DAY/HR	24/ 5	0/ 0	24/ 5	0/ 0	22/ 6	0/ 0	0/ 0	0/ 0	0/ 0										
MAY	SUM	-28.167	0.000	-28.157	0.000	-26.488	0.000	0.000	0.000	0.000	744	0								
	PEAK	-61.404	0.000	-74.467	0.000	-59.073	0.000	0.000	0.000	0.000										
	DAY/HR	6/ 6	0/ 0	9/17	0/ 0	25/ 6	0/ 0	0/ 0	0/ 0	0/ 0										
JUN	SUM	-23.282	0.000	-23.251	0.000	-23.282	0.000	0.000	0.000	0.000	720	0								
	PEAK	-49.283	0.000	-52.911	0.000	-49.283	0.000	0.000	0.000	0.000										
	DAY/HR	12/ 2	0/ 0	23/ 5	0/ 0	12/ 2	0/ 0	0/ 0	0/ 0	0/ 0										
JUL	SUM	-19.605	0.189	-19.658	0.183	-12.296	0.000	0.000	0.000	0.000	714	30								
	PEAK	-50.565	15.089	-53.261	14.652	-50.565	0.000	0.000	0.000	0.000										
	DAY/HR	31/ 6	10/16	13/ 1	23/17	31/ 6	0/ 0	0/ 0	0/ 0	0/ 0										
AUG	SUM	-19.740	0.106	-19.632	0.061	-15.326	0.000	0.000	0.000	0.000	722	22								
	PEAK	-48.833	15.504	-52.711	11.885	-47.779	0.232	0.000	0.000	0.000										
	DAY/HR	14/ 6	10/18	15/ 1	10/16	15/ 8	26/16	0/ 0	0/ 0	0/ 0										
SEP	SUM	-23.620	0.047	-23.635	0.025	-23.524	0.044	0.000	0.000	0.000	705	15								
	PEAK	-60.138	6.726	-72.448	10.411	-60.138	6.726	0.000	0.000	0.000										
	DAY/HR	28/ 7	19/16	19/ 4	19/12	28/ 7	19/16	0/ 0	0/ 0	0/ 0										
OCT	SUM	-30.285	0.019	-30.327	0.000	-29.801	0.019	0.000	0.000	0.000	740	4								
	PEAK	-68.406	8.040	-74.854	0.000	-65.562	8.039	0.000	0.000	0.000										
	DAY/HR	22/ 7	6/15	30/ 4	0/ 0	30/ 4	6/15	0/ 0	0/ 0	0/ 0										
NOV	SUM	-34.238	0.000	-34.248	0.000	-11.348	0.000	0.000	0.000	0.000	720	0								
	PEAK	-68.718	0.000	-71.634	0.000	-60.641	0.000	0.000	0.000	0.000										
	DAY/HR	5/ 2	0/ 0	27/ 5	0/ 0	1/ 5	0/ 0	0/ 0	0/ 0	0/ 0										

REPORT- ERV Energy Recovery Summary for: RTU-1 (Corridor DOAS)							WEATHER FILE- SEATTLE BOEING FI WA					
----- (CONTINUED) -----												
DEC	SUM	-40.458	0.000	-40.487	0.000	-0.001	0.000	0.000	0.000	0.000	744	0
	PEAK	-78.264	0.000	-85.093	0.000	-0.011	0.000	0.000	0.000	0.000		
	DAY/HR	24/22	0/ 0	24/22	0/ 0	28/13	0/ 0	0/ 0	0/ 0	0/ 0		
		=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
YR	SUM	-362.418	0.385	-362.380	0.285	-163.033	0.086	0.000	0.000	0.000	8685	75
	PEAK	-95.035	15.504	-95.521	14.652	-65.562	8.568	0.000	0.000	0.000		
	MON/DAY	1/ 4	8/10	1/ 5	7/23	10/30	3/29	0/ 0	0/ 0	0/ 0		

---		EXHAUST	OUTLET	---	---		MAKE-UP	OUTLET	---	CONDENSATE
		WET	FROSTED			WET	FROSTED			CONTROL
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ANNUAL HOURS:		0	0		0	0	0		0	0

REPORT- ERV Energy Recovery Summary for: OFFICE DOAS ERV

WEATHER FILE- SEATTLE BOEING FI WA

AIR FLOW			POWER CONSUMPTION									
OUTDOOR (CFM )	EXHAUST (CFM )	PURGE (CFM )	OA FAN (KW)	EXH FAN (KW)	HT EXCH (KW)	PREHEAT (KBTU/HR)						
845.	845.	0.	0.000	0.000	0.000	0.						
----- SENSIBLE -----			TOTAL		EXCESS		SENSIBLE		PREHEAT		HOURS	
		HEATING	COOLING	HEATING	COOLING	HEATING	COOLING	FANS&HX	HEATING	ELECTRIC	HEAT	COOL
SUM		(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(MBTU)	(KWH)	(MBTU)	(KWH)		
MON	PEAK	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	(KBTU/HR)	(KW)	(KBTU/HR)	(KW)		
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JAN	SUM	-4.626	0.000	-6.502	0.000	-2.208	0.000	0.000	0.000	0.000	384	0
	PEAK	-22.545	0.000	-27.089	0.000	-8.113	0.000	0.000	0.000	0.000		
	DAY/HR	5/ 8	0/ 0	3/16	0/ 0	15/14	0/ 0	0/ 0	0/ 0	0/ 0		
FEB	SUM	-3.923	0.000	-5.611	0.000	-2.253	0.000	0.000	0.000	0.000	352	0
	PEAK	-18.705	0.000	-23.739	0.000	-8.577	0.000	0.000	0.000	0.000		
	DAY/HR	27/ 7	0/ 0	4/ 7	0/ 0	22/20	0/ 0	0/ 0	0/ 0	0/ 0		
MAR	SUM	-3.582	0.016	-5.421	0.000	-2.670	0.000	0.000	0.000	0.000	388	8
	PEAK	-15.941	3.638	-20.286	0.000	-8.639	0.000	0.000	0.000	0.000		
	DAY/HR	2/ 7	29/15	2/ 7	0/ 0	30/14	0/ 0	0/ 0	0/ 0	0/ 0		
APR	SUM	-3.147	0.000	-4.872	0.000	-2.678	0.000	0.000	0.000	0.000	400	0
	PEAK	-15.390	0.000	-19.481	0.000	-8.682	0.000	0.000	0.000	0.000		
	DAY/HR	24/ 7	0/ 0	29/ 7	0/ 0	25/16	0/ 0	0/ 0	0/ 0	0/ 0		
MAY	SUM	-2.481	0.005	-3.920	0.000	-2.318	0.000	0.000	0.000	0.000	388	12
	PEAK	-12.705	1.227	-23.241	0.000	-8.724	0.000	0.000	0.000	0.000		
	DAY/HR	6/ 7	15/19	9/17	0/ 0	8/16	0/ 0	0/ 0	0/ 0	0/ 0		
JUN	SUM	-1.764	0.011	-2.781	0.002	-1.761	0.000	0.000	0.000	0.000	361	19
	PEAK	-9.798	1.708	-13.274	1.033	-8.701	0.000	0.000	0.000	0.000		
	DAY/HR	12/ 7	20/17	12/ 7	29/18	6/10	0/ 0	0/ 0	0/ 0	0/ 0		
JUL	SUM	-0.996	0.254	-1.584	0.234	-0.996	0.000	0.000	0.000	0.000	297	103
	PEAK	-8.223	7.161	-13.584	9.332	-8.223	0.000	0.000	0.000	0.000		
	DAY/HR	5/ 8	23/17	1/ 7	23/20	5/ 8	0/ 0	0/ 0	0/ 0	0/ 0		
AUG	SUM	-1.148	0.130	-1.445	0.109	-1.148	0.000	0.000	0.000	0.000	350	62
	PEAK	-8.254	7.175	-10.698	5.398	-8.254	0.000	0.000	0.000	0.000		
	DAY/HR	14/ 7	10/18	26/ 7	10/16	14/ 7	0/ 0	0/ 0	0/ 0	0/ 0		
SEP	SUM	-1.657	0.061	-2.594	0.016	-1.613	0.000	0.000	0.000	0.000	333	35
	PEAK	-12.843	3.869	-16.992	5.031	-9.330	0.000	0.000	0.000	0.000		
	DAY/HR	28/ 8	19/16	28/ 7	19/12	23/11	0/ 0	0/ 0	0/ 0	0/ 0		
OCT	SUM	-3.106	0.006	-4.757	0.000	-2.785	0.000	0.000	0.000	0.000	395	5
	PEAK	-14.957	2.318	-20.321	0.000	-8.785	0.000	0.000	0.000	0.000		
	DAY/HR	22/ 7	7/17	22/ 7	0/ 0	7/ 9	0/ 0	0/ 0	0/ 0	0/ 0		
NOV	SUM	-3.577	0.000	-5.349	0.000	-2.510	0.000	0.000	0.000	0.000	364	0
	PEAK	-15.055	0.000	-21.189	0.000	-8.649	0.000	0.000	0.000	0.000		
	DAY/HR	5/ 7	0/ 0	18/ 7	0/ 0	14/16	0/ 0	0/ 0	0/ 0	0/ 0		

REPORT- ERV Energy Recovery Summary for: OFFICE DOAS ERV						WEATHER FILE- SEATTLE BOEING FI WA						
----- (CONTINUED) -----												
DEC	SUM	-4.434	0.000	-6.344	0.000	-2.282	0.000	0.000	0.000	0.000	384	0
	PEAK	-17.807	0.000	-22.695	0.000	-7.952	0.000	0.000	0.000	0.000		
	DAY/HR	24/22	0/ 0	26/19	0/ 0	16/15	0/ 0	0/ 0	0/ 0	0/ 0		
		=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
YR	SUM	-34.441	0.481	-51.178	0.361	-25.222	0.000	0.000	0.000	0.000	4396	244
	PEAK	-22.545	7.175	-27.089	9.332	-9.330	0.000	0.000	0.000	0.000		
	MON/DAY	1/ 5	8/10	1/ 3	7/23	9/23	0/ 0	0/ 0	0/ 0	0/ 0		

		--- EXHAUST OUTLET ---		--- MAKE-UP OUTLET ---		CONDENSATE
		WET	FROSTED	WET	FROSTED	CONTROL
		-----		-----		-----
ANNUAL HOURS:		0	0	0	0	0