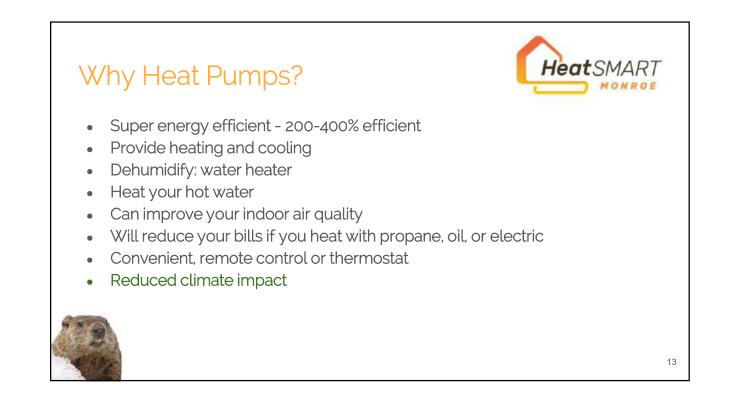
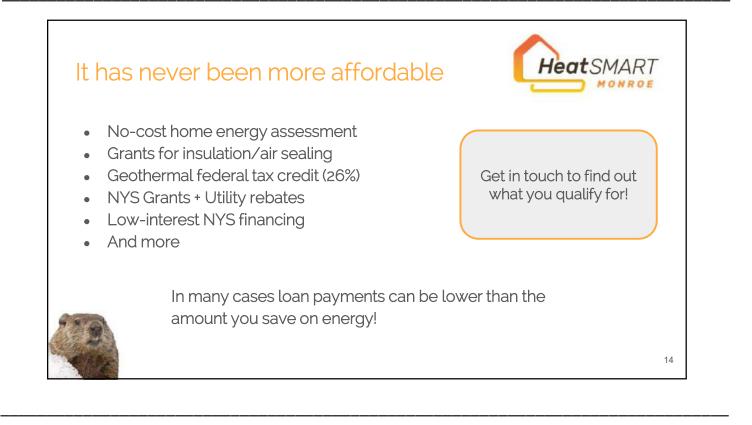
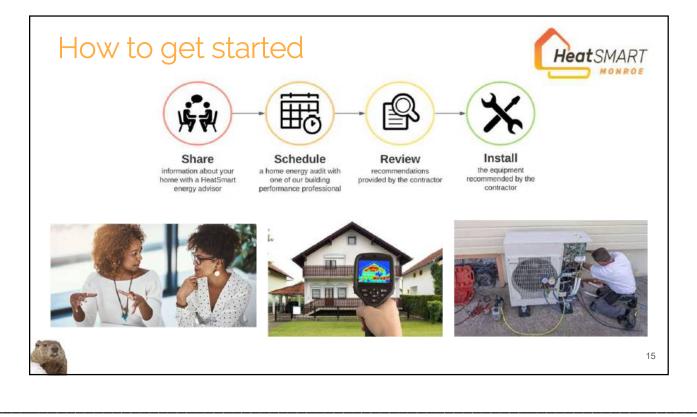




Air-SourceGround-SourceHeating + CoolingHot waterCo-benefitsUpfront costSimilar to natural gas + A/COperating costSimilar to natural gas + A/CLifespan15-20 yearsNo ductwork?Works in any home				
Hot waterHot waterCo-benefitsImage: Co-benefitsUpfront costSimilar to natural gas + A/COperating costSimilar to natural gas + A/CSignificant savingsLifespan15-20 years		Air-Source	Ground-Source	
Co-benefits   Co-benefits     Upfront cost   Similar to natural gas + A/C   ~2x ASHP cost     Operating cost   Similar to natural gas + A/C   Significant savings     Lifespan   15-20 years   25-30 years	Heating + Cooling	1	1	
Upfront cost Similar to natural gas + A/C ~2x ASHP cost   Operating cost Similar to natural gas + A/C Significant savings   Lifespan 15-20 years 25-30 years	Hot water	*	•	
Operating cost     Similar to natural gas + A/C     Significant savings       Lifespan     15-20 years     25-30 years	Co-benefits	•	1	
Lifespan 15-20 years 25-30 years	Upfront cost	Similar to natural gas + A/C	~2x ASHP cost	
	Operating cost	Similar to natural gas + A/C	Significant savings 🔍	
No ductwork? Works in any home 🔨 Maybe	Lifespan	15-20 years	25-30 years	
	No ductwork?	Works in any home 🔧	Maybe	
Lot Size? No constraints Need open space with acces	Lot Size?	No constraints	Need open space with access	





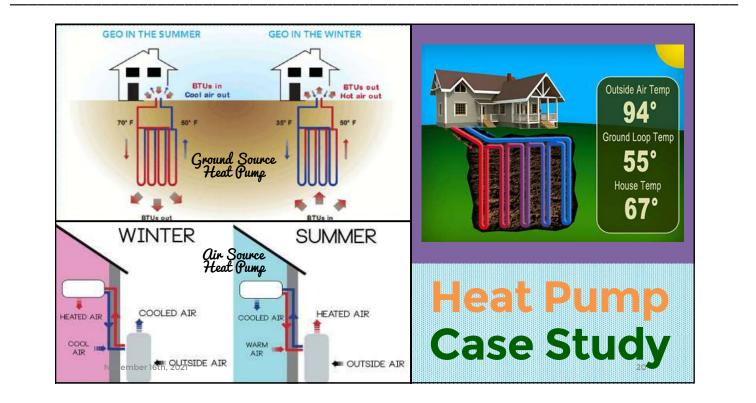


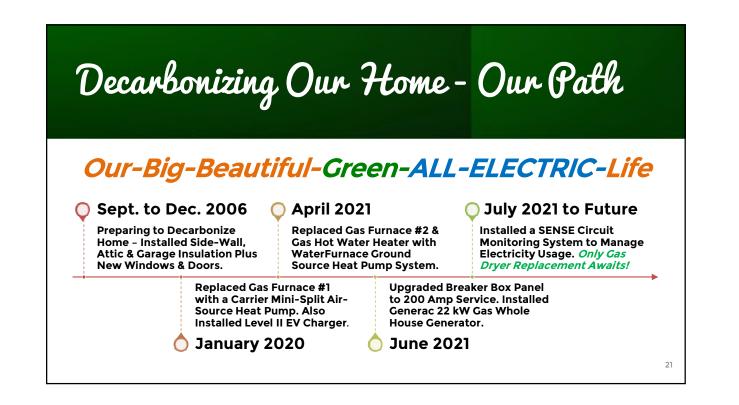


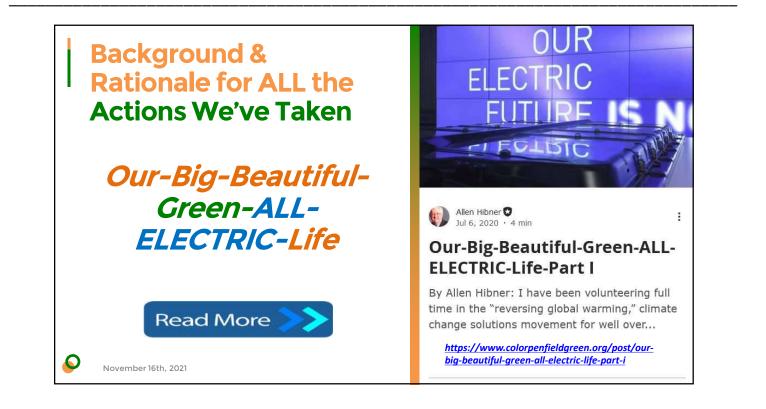








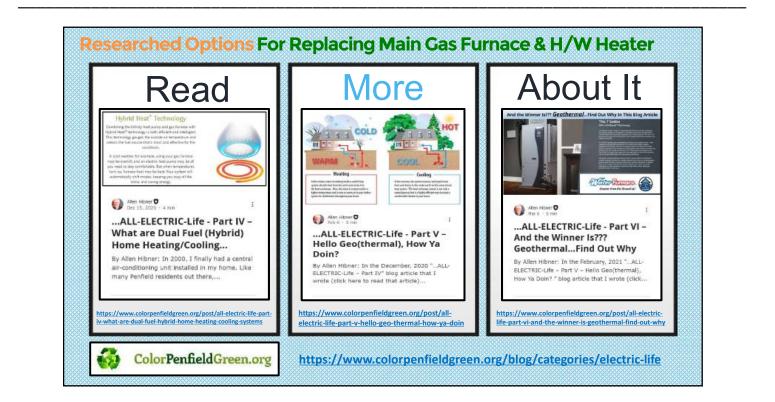


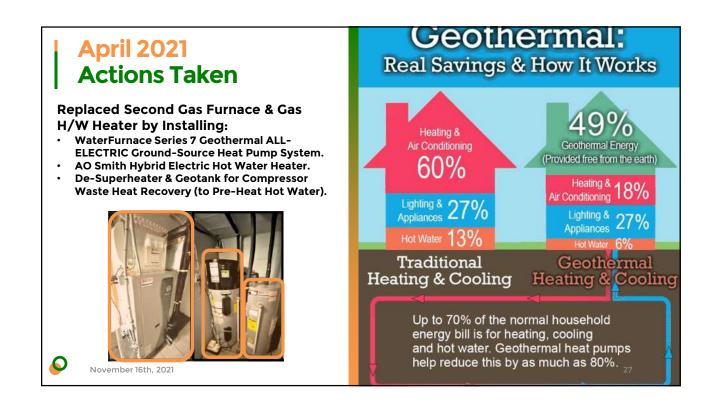






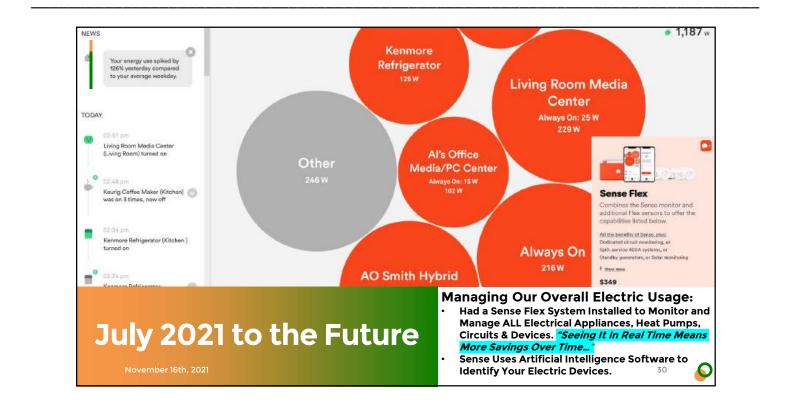


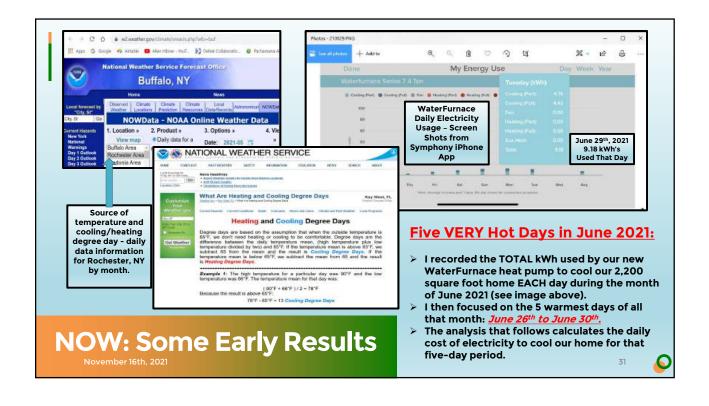












	y ISF D	uy ren	IP. (10 I	irs./Da	IY) / /1F	Night	Temp. (8	Hrs./Do	<i>ay).</i>
Date	Max Temp. Degrees F	Min Temp. Degrees F	Avg Temp. Degrees F	Departure From Normal Degrees F	Water Furnace Cooling - kWh Used	kWh Per Cooling Degree Day	Cooling Cost Per Day @ <u>\$.13/kWh</u>	Heating Degree Days (HDD)	Cooling Degree Days (CDD- Above 65F)
6/26/2021	89	70	79.5	9.2	7.79	0.51933	\$1.01	0	15
6/27/2021	93	75	84	13.5	9.66	0.50842	\$1.26	0	19
6/28/2021	92	74	83	12.3	10.27	0.57056	\$1.34	0	18
6/29/2021	94	70	82	11.1	9.18	0.54	\$1.19	0	17
6/30/2021	85	70	77.5	6.4	8.14	0.62615	\$1.06	0	13
TOTAL					45.04		\$5.86	0	82
Average	90.6	71.8	81.2	10.5	9.008	0.5529	\$1.17		16.4
Normal	77.9	57.4	67.6						

**NOW: Some Early Results** 

Five VERY Hot Days in June 2021:

Our new WaterFurnace cost us \$1.17/Day to Cool 2,200 Sq. Ft. of conditioned space to 73F during the day and 71F at night. NICE! 32

					the same of	all and and	IG - kWh Usa Temp. (8	-	
Date	Max Temp. Degrees F	Min Temp Degrees F	Avg Temp. Degrees F	Departure From Normal Degrees F	SUM Of Water Furnace & Carrier HP's kWh Used	kWh Per Heating Degree Day	Heating Cost Per Day @ <u>\$.14/kWh</u>	Heating Degree Days (HDD Below 65F)	Cooling Degree Days (CDD- Above 65F)
11/1/2021	52	39	45.5	-1.2	9.68	0.50947	\$1.36	19	0
11/2/2021	49	34	41.5	-4.8	12.89	0.56043	\$1.80	23	0
11/3/2021	46	33	39.5	-6.5	15.8	0.632	\$2.21	25	0
11/4/2021	46	29	37.5	-8.1	16.83	0.62333	\$2.36	27	0
11/5/2021	49	30	39.5	-5.8	15.92	0.6368	\$2.23	25	0
TOTAL					71.12		\$9.25	119	0
Average	48.4	33	40.7	-5.28	14.22	0.592	\$1.99	23.8	0

NOW: Some Early Results

Five VERY Cool Days in Nov. 2021:

Our new WaterFurnace cost us \$1.99/Day to Heat 2,200 Sq. Ft. of conditioned space to 70F during the day and 66F at night. NICE!







