



HAS Sustainability Program

Jim Szczesniak
Chief Operating Officer

International Carbon Accreditation



airport
carbon
accreditation

MAPPING | REDUCTION | OPTIMISATION | NEUTRALITY



International Carbon Accreditation

Level 1-Mapping

- Achieved at all 3 airports

Level 2-Reduction in progress

- Anticipated achievement:
Fall 2024

+ MAPPING
Footprint measurement

+ REDUCTION
Carbon management towards a reduced carbon footprint

+ OPTIMISATION
Third party engagement in carbon footprint reduction

+ NEUTRALITY
Carbon neutrality for direct emissions by offsetting

+ TRANSFORMATION
Transforming airport operations and those of its business partners to achieve absolute emissions reductions

+ TRANSITION
Compensation for residual emissions with reliable offsets

Greenhouse Gas Emissions (MTCO₂e)

	<u>2019</u>	<u>2021</u>	<u>Net Change</u>	<u>% Change</u>	<u>2021 Renewable Offsets</u>	<u>2021 Market based GHG</u>
IAH	129,343	100,321	(29,022)	-22.4%	51,483	48,838
HOU	35,023	33,774	(1,249)	-3.6%	12,322	21,452
EFD	3,538	3,594	56	1.6%	1,248	2,345
Total	167,904	137,689	(30,215)	-18.0%	65,053	72,635

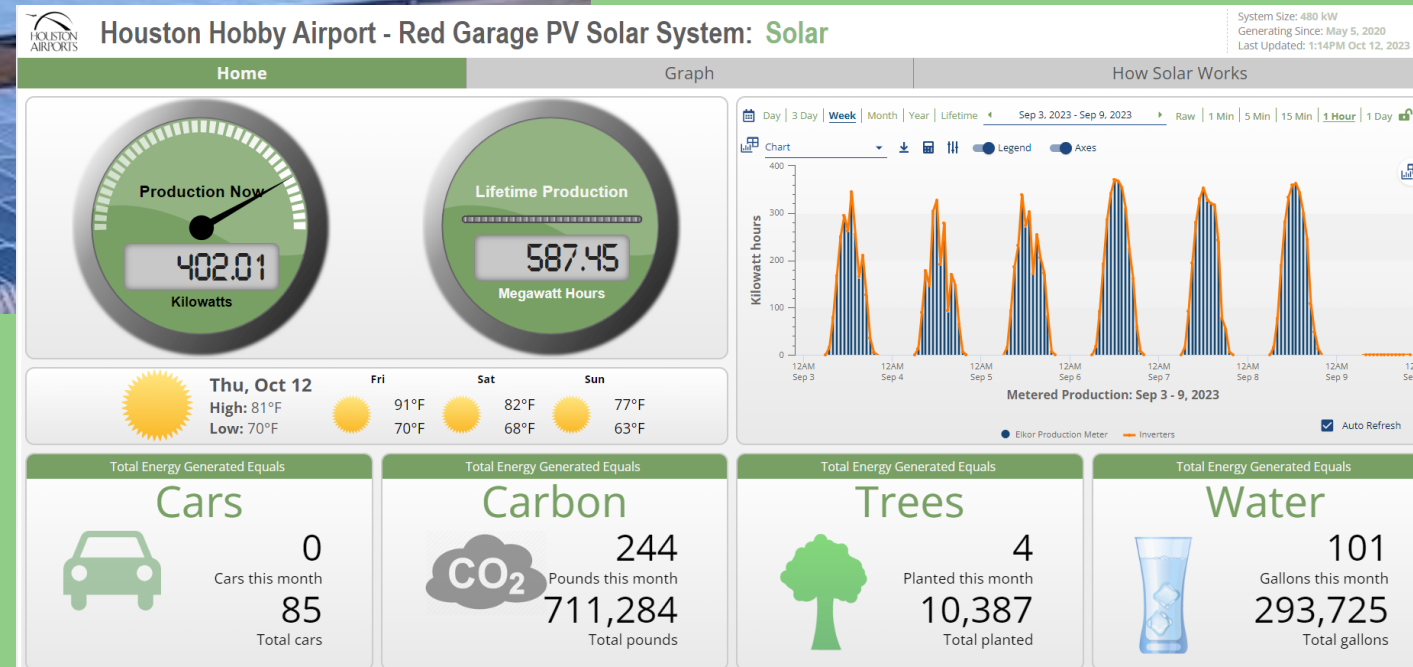
Energy Efficiency Projects

Portfolio:

- ✓ Hobby Concourse Controls Upgrades and VFD's
- ✓ Hobby New Central Utility Plant
- ✓ Hobby Chilled Water System upgrade
- ✓ Hobby Red Garage Lighting
- ✓ Hobby PV System
- ✓ IAH Baggage Handling Systems Upgrade
- ✓ IAH Garage D/E Lighting
- ✓ IAH Terminal A Lighting
- ✓ IAH Garage A/B Lighting
- ✓ IAH Terminal A CC
- ✓ IAH Air handling Units CV to VAV Conversion
- ✓ IAH Central Plant - Condition Assessment & Cooling/Heating Capacities
- ✓ Airfield Lighting Preliminary Assessment at HOU and IAH – for LED technology -Energy Services



Sustainability



Energy Management



2021 ENERGY MANAGEMENT TOP PERFORMER AWARD

CENTERPOINT ENERGY SCORE/CITYSMART

Houston Airport System	
Project description	Savings in
LED lighting and lighting controls upgrades at multiple locations (2020 and 2021)	• Over 1 • C

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CenterPoint Energy

Date 2019-2022

Pay to the order of Houston Airport System \$1,044,918.60

One Million, Forty-Four Thousand, Nine Hundred Eighteen Dollars & 60/100

Memo Energy Efficiency CenterPoint Energy CitySmart® Program

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Responsible Operations | Electric Vehicles



More than 70% of Ground Service Equipment at IAH & HOU is electric



Responsible Construction | How We Grow



IAH D/E Garage 99% recycled
53,000 TONS OF CONCRETE
2,000 TONS OF METAL



Questions?

