

DRAFT

ALEXANDRIA ECO-CITY HOMES RECOGNITION / AWARDS PROGRAM

OVERVIEW

The Alexandria Energy and Climate Change Action Plan (ECCAP) has a 2030 goal of 53,000+ housing units retrofitted with efficiency upgrades or built to be high efficiency. The City can't force the community to make home efficiency upgrades, but they can incentivize / encourage it through an Eco-City Homes effort. The Environmental Policy Commission, in cooperation with the Alexandria Office of Climate Action (correct??) has developed this recognition / awards program to encourage all Alexandrians to become more engaged in the City's efforts to reach that goal.

ELIGIBILITY

- Single Family Homeowners (SFH)
- Multi-Family Owners (MFO)
- Renters

GEOGRAPHICAL SPLIT

Split across the three regions of the City by the School Board Districts - East, Central, West

CRITERIA

Awards / Recognition will be provided based on the overall eco-leadership shown in the home, across the different categories below. An 'x' denotes which items will be applicable to which stakeholder type. Points will be awarded for each individual category / activity. Recognition / award levels will be based on total points accumulated. Points for each category / activity are based on a "degree of difficulty" type system (i.e.: bigger impact / more difficult to achieve items have higher point totals). Point totals for each category / activity may vary by eligibility type. Point totals will vary from 1 - 5.

Category	Activity	SFH	MFO	Renters
Energy Efficiency	Energy usage benchmarked on ENERGY STAR Portfolio Manager	x	x	x
Energy Efficiency	3rd Party Energy Audit performed within past 3 years	x	x	
Energy Efficiency	3rd Party Green Buliding Certification (e.g. Pearl, ENERGY STAR, LEED, Green GLobes, etc)	?	?	?
Energy Efficiency	All-Electric Home	x	x	
Energy Efficiency	Heat Pump for HVAC	x	x	
Energy Efficiency	Electric Induction Stove	x	x	
Energy Efficiency	Electric clothes dryer	x	x	
Energy Efficiency	Well-Insulated Attic	x	x	
Energy Efficiency	High Performance Windows	x	x	
Energy Efficiency	Sealed Doors	x	x	
Energy Efficiency	LED Lighting	x	x	x
Energy Efficiency	ENERGY STAR appliances	x	x	x
Energy Efficiency	Smart Thermostat	x	x	
Energy Efficiency	Energy Efficient Thermostat Setpoints	x	x	x

See Note 1

See Note 2

Category	Activity	SFH	MFO	Renters
Energy Efficiency	Pledge for plug load efficient behavior - turn off unused lights, unplug appliances, turn off video game/tv/computer monitor	X		X
Renewable Energy	Onsite Solar Panels	X	X	
Renewable Energy	Solar-Ready Infrastructure		X	
Renewable Energy	Geothermal	X	X	
Renewable Energy	Backup Battery (not fossil fuel)	X	X	
Renewable Energy	Participation in Dominion's Renewable Energy program	X	X	X
Transportation	Doesn't own a Car	X		X
Transportation	Relies primarily on walking/public transit/bike/scooter for transportation	X		X
Transportation	EV-ready infrastructure	X	X	
Transportation	EV Charger on-site	X	X	
Transportation	Owns an Electric Vehicle	X		X
Transportation	Pledges to reduce vehicle miles traveled as much as possible in daily life activities	X		X
Water Efficiency	Heat Pump Water Heater	X	X	
Water Efficiency	Low-Flow Fixtures - WaterSmart shower/tub, faucets, toilets	X	X	
Water Efficiency	Participate or eligible to participate in City's stormwater reduction program	X	X	
Water Efficiency	Pledges to be waterwise with shorter showers, no water during teethbrushing, etc during daily life activities	X		X
Water Efficiency	Landscapes with native plantings/xeriscaping to enable less watering of outdoor plants	X	X	
Water Efficiency	Wildflowers/natural plant growth instead of manicured grass on the property	X	X	
Water Efficiency	Rain barrel on site to for landscaping/water reuse	X	X	
Water Efficiency	Permeable pavement for driveway/yard features (as opposed to impermeable)	X	X	
Waste Reduction	Onsite Recycling Program		X	
Waste Reduction	Onsite Compost Program		X	
Waste Reduction	Composts at curbside, farmers market, or onsite	X		X
Waste Reduction	Recycles household waste	X		X
Waste Reduction	Brings glass to purple bin	X		X
Waste Reduction	Pledges to avoid material and food waste as much as possible	X		X

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SINGLE FAMILY HOMEOWNERS SCORING

Note 3

Category	Activity	SFH	POINTS
Energy Efficiency	Energy usage benchmarked on ENERGY STAR Portfolio Manager	x	0
Energy Efficiency	3rd Party Energy Audit performed within past 3 years	x	3
Energy Efficiency	3rd Party Green Building Certification (e.g. Pearl, ENERGY STAR, LEED, Green Globes, etc)		
	All-Electric Home	x	5
Energy Efficiency	Heat Pump for HVAC	x	5
Energy Efficiency	Electric Induction Stove	x	5
Energy Efficiency	Electric clothes dryer	x	5
Energy Efficiency	Well-Insulated Attic	x	5
Energy Efficiency	High Performance Windows	x	5
Energy Efficiency	Sealed Doors	x	4
Energy Efficiency	LED Lighting	x	3
Energy Efficiency	ENERGY STAR appliances	x	5
Energy Efficiency	Smart Thermostat	x	4
Energy Efficiency	Energy Efficient Thermostat Setpoints	x	4
Energy Efficiency	Pledge for plug load efficient behavior - turn off unused lights, unplug appliances, turn off video game/tv/computer monitor	x	2
Renewable Energy	Onsite Solar Panels	x	5
Renewable Energy	Solar-Ready Infrastructure		
Renewable Energy	Geothermal	x	5
Renewable Energy	Backup Battery (not fossil fuel)	x	5
Renewable Energy	Participation in Dominion's Renewable Energy program	x	3
Transportation	Doesn't own a Car	x	3
Transportation	Relies primarily on walking/public transit/bike/scooter for transportation	x	3
Transportation	EV-ready infrastructure	x	5
Transportation	EV Charger on-site	x	5
Transportation	Owns an Electric Vehicle	x	5
Transportation	Pledges to reduce vehicle miles traveled as much as possible in daily life activities	x	2
Water Efficiency	Heat Pump Water Heater	x	5
Water Efficiency	Low-Flow Fixtures - WaterSmart shower/tub, faucets, toilets	x	2
Water Efficiency	Participate or eligible to participate in City's stormwater reduction program	x	3
Water Efficiency	Pledges to be waterwise with shorter showers, no water during teethbrushing, etc during daily life activities	x	2
Water Efficiency	Landscapes with native plantings/xeriscaping to enable less watering of outdoor plants	x	3

See Note 1

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SINGLE FAMILY HOMEOWNERS SCORING

Note 3

Category	Activity	SFH	POINTS
Water Efficiency	Wildflowers/natural plant growth instead of manicured grass on the property	x	3
Water Efficiency	Rain barrel on site to for landscaping/water reuse	x	3
Water Efficiency	Permeable pavement for driveway/yard features (as opposed to impermeable)	x	5
Waste Reduction	Onsite Recycling Program		
Waste Reduction	Onsite Compost Program		
Waste Reduction	Composts at curbside, farmers market, or onsite	x	2
Waste Reduction	Recycles household waste	x	3
Waste Reduction	Brings glass to purple bin	x	3
Waste Reduction	Pledges to avoid material and food waste as much as possible	x	2

Total Possible Points: 132

MULTI-FAMILY OWNERS SCORING

Category	Activity	MFO	POINTS
Energy Efficiency	Energy usage benchmarked on ENERGY STAR Portfolio Manager	x	0
Energy Efficiency	3rd Party Energy Audit performed within past 3 years	x	3
Energy Efficiency	3rd Party Green Building Certification (e.g. Pearl, ENERGY STAR, LEED, Green Globes, etc)		
Energy Efficiency	All-Electric Home	x	5
Energy Efficiency	Heat Pump for HVAC	x	5
Energy Efficiency	Electric Induction Stove	x	5
Energy Efficiency	Electric clothes dryer	x	5
Energy Efficiency	Well-Insulated Attic	x	5
Energy Efficiency	High Performance Windows	x	5
Energy Efficiency	Sealed Doors	x	4
Energy Efficiency	LED Lighting	x	3
Energy Efficiency	ENERGY STAR appliances	x	5
Energy Efficiency	Smart Thermostat	x	4
Energy Efficiency	Energy Efficient Thermostat Setpoints	x	4
Energy Efficiency	Pledge for plug load efficient behavior - turn off unused lights, unplug appliances, turn off video game/tv/computer monitor		
Renewable Energy	Onsite Solar Panels	x	5
Renewable Energy	Solar-Ready Infrastructure	x	5
Renewable Energy	Geothermal	x	5
Renewable Energy	Backup Battery (not fossil fuel)	x	5
Renewable Energy	Participation in Dominion's Renewable Energy program	x	3
Transportation	Doesn't own a Car		
Transportation	Relies primarily on walking/public transit/bike/scooter for transportation		
Transportation	EV-ready infrastructure	x	5
Transportation	EV Charger on-site	x	5
Transportation	Owns an Electric Vehicle		
Transportation	Pledges to reduce vehicle miles traveled as much as possible in daily life activities		
Water Efficiency	Heat Pump Water Heater	x	5
Water Efficiency	Low-Flow Fixtures - WaterSmart shower/tub, faucets, toilets	x	2
Water Efficiency	Participate or eligible to participate in City's stormwater reduction program	x	3
Water Efficiency	Pledges to be waterwise with shorter showers, no water during teethbrushing, etc during daily life activities		
Water Efficiency	Landscapes with native plantings/xeriscaping to enable less watering of outdoor plants	x	3

Note 1

MULTI-FAMILY OWNERS SCORING

Category	Activity	MFO	POINTS
Water Efficiency	Wildflowers/natural plant growth instead of manicured grass on the property	x	3
Water Efficiency	Rain barrel on site to for landscaping/water reuse	x	3
Water Efficiency	Permeable pavement for driveway/yard features (as opposed to impermeable)	x	5
Waste Reduction	Onsite Recycling Program	x	4
Waste Reduction	Onsite Compost Program	x	4
Waste Reduction	Composts at curbside, farmers market, or onsite		
Waste Reduction	Recycles household waste		
Waste Reduction	Brings glass to purple bin		
Waste Reduction	Pledges to avoid material and food waste as much as possible		

Total Possible Points: 118

REGONITION LEVELS

POINTS

Bronze

45

Silver

65

Gold

85

RENTERS SCORING

Category	Activity	Renters	POINTS
Energy Efficiency	Energy usage benchmarked on ENERGY STAR Portfolio Manager	x	0
Energy Efficiency	3rd Party Energy Audit performed within past 3 years		
Energy Efficiency	3rd Party Green Building Certification (e.g. Pearl, ENERGY STAR, LEED, Green Globes, etc)		
Energy Efficiency	All-Electric Home		
Energy Efficiency	Heat Pump for HVAC		
Energy Efficiency	Electric Induction Stove		
Energy Efficiency	Electric clothes dryer		
Energy Efficiency	Well-Insulated Attic		
Energy Efficiency	High Performance Windows		
Energy Efficiency	Sealed Doors		
Energy Efficiency	LED Lighting	x	3
Energy Efficiency	ENERGY STAR appliances	x	5
Energy Efficiency	Smart Thermostat		
Energy Efficiency	Energy Efficient Thermostat Setpoints	x	4
Energy Efficiency	Pledge for plug load efficient behavior - turn off unused lights, unplug appliances, turn off video game/tv/computer monitor	x	2
Renewable Energy	Onsite Solar Panels		
Renewable Energy	Solar-Ready Infrastructure		
Renewable Energy	Geothermal		
Renewable Energy	Backup Battery (not fossil fuel)		
Renewable Energy	Participation in Dominion's Renewable Energy program	x	3
Transportation	Doesn't own a Car	x	3
Transportation	Relies primarily on walking/public transit/bike/scooter for transportation	x	
Transportation	EV-ready infrastructure		
Transportation	EV Charger on-site		
Transportation	Owns an Electric Vehicle	x	5
Transportation	Pledges to reduce vehicle miles traveled as much as possible in daily life activities	x	5
Water Efficiency	Heat Pump Water Heater		
Water Efficiency	Low-Flow Fixtures - WaterSmart shower/tub, faucets, toilets		
Water Efficiency	Participate or eligible to participate in City's stormwater reduction program		
Water Efficiency	Pledges to be waterwise with shorter showers, no water during teethbrushing, etc during daily life activities	x	2
Water Efficiency	Landscapes with native plantings/xeriscaping to enable less watering of outdoor plants		

Note 1

Note 5

RENTERS SCORING

Category	Activity	Renters	POINTS
Water Efficiency	Wildflowers/natural plant growth instead of manicured grass on the property		
Water Efficiency	Rain barrel on site to for landscaping/water reuse		
Water Efficiency	Permeable pavement for driveway/yard features (as opposed to impermeable)		
Waste Reduction	Onsite Recycling Program		
Waste Reduction	Onsite Compost Program		
Waste Reduction	Composts at curbside, farmers market, or onsite	x	2
Waste Reduction	Recycles household waste	x	3
Waste Reduction	Brings glass to purple bin	x	3
Waste Reduction	Pledges to avoid material and food waste as much as possible	x	2

Total Possible Points: 42

REGONITION LEVELS

POINTS

Bronze

15

Silver

25

Gold

35

- Note 1 Washington Gas participates, but I didn't see Dominion Energy or VEP
- Note 2 Don't these programs contain many of the same items that we include in our program? Is including this introducing some redundancy?
- Note 3 Re the points: I assigned these based solely on how difficult I thought it would be to get that item accomplished. There is no published document I used as a reference. More difficult / bigger impact: high points. Low cost / easy to do: low points.
- Note 4 Completely arbitrary assignment. More of a placeholder than anything else - need to discuss.
- Note 5 How much influence can Renters have on the choice of appliances?