More information can be found in the associated text

Number	Links	Description		
		Clearly define construction limits from building perimeter, roads, utilities and stormwater detention facilities		
		A. Within 4 beyond stor	0 feet of building perimeter, 5 feet from roads, walks and utility trenches; and 25 feet m water detention facilities and playing fields.	
		Baseline:	\checkmark	
		Target:	n/a	
S.1.1.B		Avoid cons	struction on land within a wildlife corridor such as a wetland or stream buffer	
	Seattle Municipal Code Title 25	B. See Seat to project siz	tle Municipal Code for specific requirements on allowable distance and buffer relative ze.	
		Baseline:	meet code regardless of project size	
		Target:	Do not disturb	
S.1.1.C		Maximize v recreationa	regetated open space on site including pedestrian hardscape and/or Il amenities that are vegetated	
		C. Native/ac	dapted or drought tolerant plants are encouranged.	
		Baseline:	20% of site area (excluding bldg footprint)	
		Target:	50% of site area (excluding bldg footprint)	
S.1.1.D		Limit use o	of turf grass to areas where required for programmatic reasons like playfields	
		D. Where to	urf is required, use a drought tolerant and low maintenance seed mix.	
		Baseline:	\checkmark	
		Target:	n/a	
S.1.1.E		Do not dist	urb slopes greater than 15%.	
		E. Do not d	isturb slopes greater than 15%.	
		Baseline:	\checkmark	
		Target:	n/a	
S.1.1.F		Protect exi	sting or restore native or adapted vegetation on previously disturbed sites	
		F. Vegeta for new land	ated roof areas may be included. Similar to S.3.1.B. which focuses on plant selection Iscape work and W.4.1.C. which focues on irrigation water reduction.	
		Baseline:	20% of site area (excluding bldg footprint)	
		Target:	30% of site area (excluding bldg footprint)	
S.1.1.G		Remediate	environmentally hazardous material in soil and/or building	
	AHERA	G. Remedia	te whether or not required by code.	
	NESHAP	Baseline:	Per NESHAP or AHERA for bldgs	
		Target:	n/a	

S.2.1.A		Design to avoid bird collisions by using fritted glass, an auto shutoff of night time lighting, or by avoiding highly reflective glass	
		A. Also cons areas during	ider temporary measures, such as netting, bird decals and streamers, in problem migration season.
		Baseline:	n/a
		Target:	\checkmark
S.2.1.B		Select light	colored or open grid paving for pedestrian hardscape
		B. Select pa	wing with an SRI of 29 or higher to reduce heat island effect.
		Baseline:	30% of hardscape
		Target:	50% of hardscape
S.2.1.C		Provide sha or by locati	nde for parking areas using trees, canopies, solar panels, vegetated roof areas ng parking underground
		C. Shade th canopies wit or by locating shall be the summer sols	rough the use of tree canopies that are established within 5 years, light colored h an SRI of 29 or higher, structures covered by solar panels, vegetated roof areas, g parking areas underground. The effective shade coverage on the parking area arithmetic mean of the shade coverage calculated at 10am, noon, and 3pm on the tice.
		Baseline:	50% of total parking area
		Target:	80% of total parking area
	Seattle Master Tree List		
S.2.2.A		Limit trespa shielded fix	nss of exterior lighting over site boundary and upward into night sky by using tures
S.2.2.A		Limit trespa shielded fix	ass of exterior lighting over site boundary and upward into night sky by using tures
S.2.2.A		Limit trespa shielded fix A. Only light	ass of exterior lighting over site boundary and upward into night sky by using tures areas as required for safety and comfort.
S.2.2.A		Limit trespa shielded fix A. Only light Baseline: Target:	here a set of exterior lighting over site boundary and upward into night sky by using tures areas as required for safety and comfort. Sites in residential area: Design exterior lighting to produce a maximum initial illuminance value no greater than 0.10 horizontal and vertical foot-candles at the site boundary and no greater than 0.01 horizontal foot-candles 10 feet beyond the site boundary.No more than 2% of total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down).Sites in neighborhood and commercial areas:Design exterior lighting to produce a maximum initial illuminance value no greater than 0.20 horizontal and vertical foot-candles 15 feet beyond the site boundary.No more than 5% of total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down).Site in downtown areas:Design exterior lighting to produce a maximum initial illuminance value no greater than 0.20 horizontal and vertical foot-candles 15 feet beyond the site boundary.No more than 5% of total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down).Site in downtown areas:Design exterior lighting to produce a maximum initial illuminance value no greater than 0.60 horizontal and vertical foot-candles at the site boundary and no greater than 0.01 horizontal foot-candles 15 feet beyond the site boundary.
S.2.2.A		Limit trespa shielded fix A. Only light Baseline: Target: Align buildi	ses of exterior lighting over site boundary and upward into night sky by using tures areas as required for safety and comfort. Sites in residential area: Design exterior lighting to produce a maximum initial illuminance value no greater than 0.10 horizontal and vertical foot-candles at the site boundary and no greater than 0.01 horizontal foot-candles 10 feet beyond the site boundary.No more than 2% of total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down).Sites in neighborhood and commercial areas:Design exterior lighting to produce a maximum initial illuminance value no greater than 0.20 horizontal and vertical foot-candles at the site boundary and no greater than 0.01 horizontal foot-candles 15 feet beyond the site boundary.No more than 5% of total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from madir (straight down).Site in downtown areas:Design exterior lighting to produce a maximum initial illuminance value no greater than 0.60 horizontal and vertical foot-candles 15 feet beyond the site boundary. In/a
S.2.2.A S.2.3.A		Limit trespa shielded fix A. Only light Baseline: Target: Align buildi A. Limit eas	Ass of exterior lighting over site boundary and upward into night sky by using tures areas as required for safety and comfort. Sites in residential area: Design exterior lighting to produce a maximum initial illuminance value no greater than 0.10 horizontal and vertical foot-candles at the site boundary and no greater than 0.10 horizontal foot-candles at the site boundary and no greater than 0.01 horizontal foot-candles at the site degrees or higher from nadir (straight down). Sites in neighborhood and commercial areas: Design exterior lighting to produce a maximum initial illuminance value no greater than 0.01 horizontal foot-candles 15 feet beyond the site boundary. No more than 0.20 horizontal and vertical foot-candles 15 feet beyond the site boundary. No more than 0.20 horizontal and vertical foot-candles 15 feet beyond the site boundary. No more than 5% of total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down). Site in downtown areas: Design exterior lighting to produce a maximum initial illuminance value no greater than 0.01 horizontal foot-candles 15 feet beyond the site boundary. No more than 5% of total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down). Site in downtown areas: Design exterior lighting to produce a maximum initial illuminance value no greater than 0.01 horizontal foot-candles 15 feet beyond the site boundary. n/a n/a

	Target:	East-west axis of building is within 15 degrees of due east-west	
S.2.4.A	Avoid cons	truction within environmentally critical areas	
	A. Develop on appropriate sites.		
	Baseline:	Develop on a greenfield site, parkland or agricultural land ONLY when the building's purpose is related to the use of the land. Examples - park shelter on parkland, or agricultural building on agricultural land.	
	Target:	Develop only 1) in an existing building envelope 2) on a greyfield or 3) on a brownfield.	
S.2.4.B	Avoid cons	truction within 100 ft of a lake, river, stream or wetland buffers	
Seattle Municipal Code Title 25	B. See Seat and water w However wh within 100 fe	tle Municipal Code (SMC) for specific buffer requirements which vary for wetlands ays. The Land use code may require more than 100 foot buffer in some cases. ile the SMC allows averaging of the buffer, this strategy requires no development set, and does not allow averaging of the buffer.	
	Baseline:	Regardless of code exemption	
	Target:	Do not disturb	
S.3.1.A	Protect exis	sting trees intended to remain by providing temporary fence	
	A. Provide t	emporary fence around drip line prior to start of construction.	
	Baseline:	\checkmark	
	Target:	n/a	
S.3.1.B	Select nativ	e or adapted vegetation for landscape	
	B. Similar t which focuse	o S.1.1.F. which is focused on site restoration of existing vegetation and W.4.1.C. es on irrigation water reduction.	
	Baseline:	50% of landscape area	
	Target:	100% of landscape area	
W.1.1.A	Provide a g	green roof.	
	A. Provide a	vegetated roof.	
	Baseline:	50% of roof area	
	Target:	75% of roof area	
W.1.1.B	Maintain no	o net increase or decrease quantity of stormwater discharge leaving the site	
	B. Achieve r	no net increase of quantity of storm water discharge leaving the site.	
	Baseline:	No increase in storm water.	
	Target:	Reduce quantity of storm water leaving the site by 25%.	
W.2.1.A	Use rainwa	ater for cooling tower make-up water.	
	A. Collect ra	inwater for cooling tower make-up water.	

	Baseline:	25%-50% of make-up water
	Target:	More than 50% of make-up water
W.2.2.A	Install low	flow plumbing fixtures
	A. Install low faucets.	flow plumbing fixtures including lavatory faucets, showerheads and kitchen sink
	Baseline:	Exceed Seattle Plumbing Code with 2.0 gpm kitchen sink and showerhead Exceed Seattle Plumbing Code with 1.75 gpm
	Target:	lavatory w/auto sensor
W.2.2.B	Install low	volume flush fixtures
	B. Install low	volume flush fixtures for water closets and urinals.
	Baseline:	Exceed Seattle Plumbing Code with dual flush or low flush WC: 1.28 gpf and urinal: 0.5 gpf.
	Target:	Exceed Seattle Plumbing Code with dual flush or low flush WC: 1.28/ and urinal: 0.125 gpf
W.2.2.C	Install wate	r efficient commercial food service equipment.
	C. Specify w valves and E	rater efficient commercial food service equipment including low flow pre-rinse spray Energy Star rated equipment.
	Baseline: Target:	Use pre-rinse spray valves which operate at 1.3 gpm or less; Provide hands free controls for all faucets in the food prep area (including hand wash sinks, pot fillers and washing sinks); Provide Energy Star Rated Commercial Dishwashers and Steam Cookers as required by SEC. In addition to baseline if in scope of work: 100% of eligible water using commercial equipment shall be Energy Star Rated (includes Combination Ovens, Ice Machines, and commercial clothes washers).
W.2.3.A	Cubmotor b	inh water was anothing like invinction of demostic bet water
	A. Provide s	ubmeters for high water use operations per code regardless of project size.
	Baseline:	Irrigation
	Target:	Wet cooling towers, commercial kitchens, laundries, Domestic Hot Water (DHW) boilers
W.3.1.A	Direct storn	nwater to pervious areas to remove 80% of total suspended solids
	A. Capture a vault.	and treat stormwater run-off with biofiltration swales, rain gardens or a water quality
	Baseline:	\checkmark
	Target:	n/a
W.3.2.A	Implement	erosion control measures prior to land disturbance
	A. Implemen mulching, ea focuses on r	t measures per code regardless of project size, including temporary seeding, arth dike, silt fence, sediment trap or sediment basin . Similar to W.3.2.B. which naintenance rather than implementation.
	Baseline:	\checkmark
	Target:	n/a

W.3.2.B	Enforce temporary erosion control measures for duration of construction.
	B. Enforce temporary erosion control measures for duration of construction. Similar to W.3.2.A. which focuses on implementation rather than maintenance.
	Baseline: $$
	Target:
W.3.2.C	Install permanent vegetation or cover site areas prior to removal of temporary erosion control measures
	C. Prior to removal of temporary erosion control measures, install permanent vegetation or cover site areas per code regardless of project size.
	Baseline: $$
	Target: n/a
W.3.2.D	Do not use construction materials in roofing or site areas that contribute to waterway contamination via stormwater runoff
	D. Avoid using construction materials such as copper and zinc roof appurtenances, galvanized materials, treated lumber, parking lot coal tar, and pesticides.
	Baseline: $$
	Target: n/a
W.3.3.A	Provide above ground fuel tanks with secondary containment.
	A. Provide above ground tanks with secondary containment.
	Baseline: $$
	Target: n/a
W.3.3.B	Provide leak detection system for tanks and nining
	B. Provide leak detection system with monitors and alarms for tanks and piping (includes fuel tanks).
	Baseline: $$
	Target: n/a
W.3.3.C	Place parking under structure
	C. Place parking under structure with oil/grease separator.
	Baseline: 50% of parking
	Target: 100% of parking
W.4.1.A	<i>Provide high efficiency irrigation</i> A. Provide high efficiency irrigation systems such as high efficiency head or drip irrigation to limit water evaporation.
	Baseline: $$
	Target: n/a
W.4.1.B	Collect rainwater or graywater for irrigation
	B. Use nonpotable water for irrigation, including onsite rainwater or graywater or municipally supplied nonpotable water.

		Baseline:	50% of irrigation water
		Target:	100% of irrigation water
W.4.1.C		Select plant	ts that are native or adapted to minimize irrigation requirements
		C. Similar to which is inte	S.1.1.F. which is focused on site restoration of existing vegetation and S.3.1.B. nded to promote natural habitat.
		Baseline:	50% of landscape area
		Target:	100% of landscape area
W.5.1.A		Provide on-	site wastewater treatment infrastructure
		A. Provide o treatment or	n-site wastewater treatment infrastructure such as a living machine for wastewater graywater system for wastewater reuse.
		Baseline:	Below grade piping for graywater
		Target:	Living machine
E.1.1.A		Commissio	n building energy systems.
	Seattle 2009 Energy Code	A. Seattle Er This strategy	nergy Code requires all mechanical work and lighting controls be commissioned. / expands the requirement to include electrical systems. Commission all mechanical and electrical
		Baseline:	work, regardless of project size, to meet the Seattle Energy Code.
		Target:	Increase Cx scope to include peer review of design and construction documents, specifications and submittals. Cx to participate in operator training and provide post occupancy review between 6-18 months after occupancy.
E.1.2.A		Provide der	mand control ventilation (DCV) to respond to variable occupancy loads.
		A. Provide d	emand control ventilation (DCV) to respond to varying occupancy loads.
		Baseline:	Ventilation controls respond to occupancy levels in densely occupied spaces (25 people/1000 SF - i.e. conference rooms, training rooms, break rooms). Ventilation controls respond to occupancy in any space with varying occupancy (i.e. open and private offices)
E.1.2.B		raigoti	
	Seattle 2009 Energy Code	Provide bui B. Seattle Er buildings wit system must requires a bu expanded to	Iding automation system hergy Codes requires a 7-day programmable thermostat as a minimum. For h a cooling load over 65 tons more complex control systems are required. The be capable of trending and demand response setpoint adjustment. This strategy uilding automation system regardless of system complexity. Controls can be include lighting and hot water.
		Baseline:	Direct Digital Controls (DDC) for building HVAC. Expand DDC system to control lighting, and domestic bot water
		i aigot.	

Submeter all major energy end uses

	Seattle 2009 Energy Code	A. SEC requires all buildings over 20,000 SF to have energy metering for all major end uses. There are exceptions for existing buildings. This strategy encourages existing buildings to upgrade and for buildings below the 20,000 SF threshold to meet the requirements of the code.		
		Baseline:	Install measurement devices with remote communication capability for each energy source regardless of project size. Install measurement devices with remote communication	
		Target:	capability for each energy source AND end use regardless of project size. See SEC Ch. 12 for end use definitions.	
E.1.4.A		Use efficier	nt gas heating equipment	
	Seattle 2009 Energy Code	A. Use effici condition un	ent warm air furnaces (includes the heating side of combination warm-air furnaces/air- its; duct furnaces and unit heaters)	
		Baseline:	Opt. 1 - Capacities less than 225,000 btu/h: Install Energy Star rated gas heating equipment (min. of 95% AFUE for natural gas and 85% AFUE for oil) Opt. 2 - Capacities of 225,000 btu/h or greater: Meet Seattle Energy Code efficiency requirements. Note: New rating criteria is being developed for larger gas unitary equipment. Consult Energy Star and AHRI for most efficient units available.	
		Target:	Opt. 1 - Capacities less than 225,000 btu/h: Install natural gas fired heating equipment with an AFUE of 98% and/or oil fired heating equipment with and AFUE of 87% . Opt. 2 - Capacites of 225,000 btu/h or greater: Provide heating equipment with a minimum thermal efficiency of 82%. Note: New rating criteria is being developed for larger gas unitary equipment. Consult Energy Star and AHRI for most efficient units available.	
E.1.4.B		Increase m	otor efficiency for fans and pumps	
		B. Increase	motor efficiency using variable speed drives	
		Baseline:	Use variable speed drives for fans and pumps with a motor horsepower of 5 hp or larger Use variable speed drives for all fans and	
		Target:	volume system.	
E.1.4.C		Use Energy Star equipment & appliances		
		C. Use Energy Star equipment & appliances (includes commercial food service equipment) for eligible equipment.		
		Baseline:	100% of Eligible Appliances; 50% of Eligible Equipment.	
		Target:	Equipment.	
E.1.4.D		Use efficier	nt cooling equipment	
	CEE	D. Use effici	ent cooling equipment per CEE specifications with an effective date of 1/6/2012.	
	ASHRAE 189.1-1009	Baseline: Target:	 Unitary Equipment: Meet Tier 0 or 1 of CEE Specification for Unitary AC; Heat Pumps: meet Tier 1 of CEE Specification; Variable Refrigerant Flow systems: Meet Tier 1 of CEE Specification for VRF Multi-split AC. For any equipment not listed in CEE specifications, use efficiency requirements of ASHRAE 189.1-2009 All equipment: Meet Tier 2 of applicable CEE Specification, when listed; otherwise meet Tier 1. 	

E.1.4.E		Use efficien	t domestic water heating equipment
	Seattle 2009 Energy Code	E. This strategy only applies to units that provide hot potable water. Units which also provide space heat are categorized as boilers	
	ASHRAE 189.1-1009	Baseline:	Install Energy Star rated equipment for water heaters which are Energy Star eligible. All others meet most restrictive requirements either ASHRAE 90.1-2010 or 2009 SEC. All equipment and capacities: Meet efficiency
		Target:	C-12
E.1.4.F		Use efficien	nt boiler equipment
	Seattle 2009 Energy Code_	F. A boiler su domestic hot	upplies hot water or steam for space heating or a combination of space heating and t water.
		Pagalina	Opt. 1 - Capacities less than 300,000 btu/h: Install Energy Star rated equipment or equipment with an AFUE of 85% or higher. Opt. 2 - Capacities of 300,000 btu/h or higher: Meet energy
_	ASHRAE 189.1-1009	Target:	All Capacities: Meet minimum efficiency requirements of ASHRAE standard 189.1-2009 table C-7.
E.2.1.A		Upgrade en	velope elements as work allows (windows, insulation, wall cavities)
	Seattle 2009 Energy Code	A. Upgrade	windows, insulation and wall cavities per Seattle Energy Code as work allows.
		Baseline:	For rehab projects: Meet or exceed current SEC. If physical constraints prohibit compliance with SEC, upgrade to highest level possible. For new buildings: Exceed SEC by 10% using Section 1330 - Componant Performance Option. Target UA to be multiplied by 0.9.
		Target:	For rehab projects: Meet or exceed current SEC. If physical constraints prohibit compliance with SEC, upgrade to highest level possible. For new buildings: Exceed SEC by 10% using Section 1330 - Componant Performance Option. Target UA to be multiplied by 0.9.
E2.1.B		Provide hor	izontal exterior shading devices for south windows.
		B. Provide h	orizontal exterior shading devices for south windows.
		Baseline:	30% of windows shaded
		Target:	60% of windows shaded
E2.1.C		Select light C. Select light (SRI) of 78 c higher.	-colored roofing materials ht-colored roofing materials: For low slope roofs provide Solar Reflectance Index or higher. For slopes greater than 2:12, select roofing materials with SRI of 29 or
		Baseline: Target:	75% of roof area (excluding equipment area). 100% of roof area (excluding equipment area).
E.2.2.A		Size lighting	g control zones as small as feasible.
		A. Size lighti	ng control zones as small as feasible.
		Baseline:	Regardless of project size or scope
		Target:	n/a

E.2.2.B		Reduce lia	hting energy use through use of automatic lighting controls
	Seattle 2009 Energy Code	B. Reduce I intermittent	ighting energy use via daylight controls and occupancy sensors in spaces with use.
		Baseline:	Provide occupancy sensors for 50% of lighting load and daylight controls as prescribed by SEC. Provide occupancy sensors for 75% of lighting load . Provide daylight controls for
		Target:	50% or more of lighting load.
E.2.2.C		Reduce lig	hting power density
	Seattle 2009 Energy Code	C. Reduce I	ighting power density and supplement w/task lighting or daylighting.
		Baseline:	5% reduction from current Seattle Energy Code 10% or more reduction from current Seattle
		Target:	Energy Code
E.2.2.D		Use efficie	nt lighting fixtures
		D. Use effic	ient electric lighting.
		Baseline:	Use lamps with high efficacy (Lumen/Watt) such as T8 or T5. Use Energy Star CFL's
		Target:	n/a
C.1.1.A		Use low en	nission boilers and furnaces
	SCAQMD - 1146	A. Use low standard of	nitrogen oxides boilers and low carbon monoxide furnaces. Comply with current South Coast Air Quality Management District Rule 1146
		Baseline:	All capacities gaseous fuels: Emissions of N _{ox} do not exceed 30ppm All capacities, non-gaseous fuels: Emissions of N _{ox} do not exceed 40 ppm
		Tanan (=2 million btu/h: N<sub ox limit - 20ppm
		l arget:	> 2 million btu/h: N _{ox} limit - 9ppm
C.1.2.A		Phase out	CFCs in existing buildings and replace with new equipment or refrigerants
		A. Replace CFCs in existing equipment with new refrigerants regardless of code or scope of work requirement.	
		Baseline:	Ozone Depletion Potential (ODP) <= 0.04 and Global Warming Potential (GWP) <= 1900 (R- 22, R-407C, R-410A, R134A, R-407C)
		Target:	Ozone Depletion Potential (ODP) = 0.02 and Global Warming Potential (GWP) < 150 (R- 123, CO ₂ , NH ₃ , Propane)
C.1.2.B		Provide lea	ak detection and remote alarm where refrigerants are used
	Seattle 2009 Mechanical Code	B. Excludes the amount enclosed m alarms. The	appliances with less than 0.5 pounds of refrigerant. Seattle Mechanical Codes limits of refrigerant equipment can contain without being located either outside or in an achine room. Machinery rooms are required to have refrigerant leak detection and e primary intent of the code is to protect occupants from refrigerant leaks.
		Baseline:	Regardless of project size
		Target:	n/a
C.1.2.C		Select equi warming p	ipment with refrigerants that have low ozone depleting potential & low global otential

	C. Select new HVAC and refrigeration and fire suppression equipment with refrigerants that have low ozone depleting potential (ODP) & low global warming potential (GWP).		
	Baseline:	Ozone Depletion Potential (ODP) <= 0.02 and Global Warming Potential (GWP) <= 1900 (R- 407C, R-410A, R134A)	
	Target:	Ozone Depletion Potential (ODP) = 0.02 and Global Warming Potential (GWP) < 150 (R- 123, CO ₂ , NH ₃ , Propane)	
C.2.1.A	Provide on-	-site renewable energy	
	A. Use on-si	te renewable energy, including photovoltaics, solar thermal, and wind.	
	Baseline:	1% of building annual energy use	
	Target:	2.5% of building annual energy use	
C.3.1.A	l imit parkir	ng capacity to code minimum	
	A. Limit park no more tha	king capacity to code. Where there is a minimum and maximum requirement, provide n the minimum.	
	Baseline:	\checkmark	
	Target:	n/a	
C.3.1.B	Provide sed	cure bike parking and shower/changing rooms	
	B. Provide s shower/char	ecure bike parking for peak occupancy (FTEs + maximum visitors) and nging rooms for FTEs.	
	Baseline:	bike parking for 5% of peak and showers for 0.5% of FTEs	
	Target:	bike parking for 10% of peak and showers for 1% of FTEs	
C.3.1.C	Provide pre	eferred carpool/vanpool parking	
	C. Provide preferred carpool/vanpool parking spaces based on total parking spaces.		
	Baseline:	5% of total parking spaces	
	Target:	10% of total parking spaces	
C.3.2.A	Provide pre	eferred parking for low emitting/fuel efficient vehicles	
ACEEE	A. Locate pr exclusive of Resources E Energy Effic	eferred parking for low emitting/fuel efficient vehicles closest to the entrance ADA. Eligible vehicles are classified as Zero Emission Vehicles by the California Air Board or have achieved a minimum score of 40 on the American Council for an ient Economy (ACEEE) annual vehicle rating guide.	
	Baseline:	5% of total parking spaces	
	Target:	10% of total parking spaces	
C.3.2.B	Provide Le	vel 2 electric vehicle charging stations (240v).	
	B. Provide L	evel 2 electric vehicle charging stations (240v).	
	Baseline:	1 per 100 spaces	
	Target:	2 per 100 spaces	

M.1.1.A		Use materials manufactured within 500 miles of site.		
		A. Source materials manufactured within 500 miles of the project site.		
		Baseline:	20% cost of materials	
		Target:	40% cost of materials	
M.1.1.B		Use materia	als harvested or extracted within 500 miles of site.	
		B. Source m	aterials harvested or extracted within 500 miles of the project site.	
		Baseline:	5% cost of materials	
		Target:	10% cost of materials	
M.1.2.A		Use wood f	rom Forest Stewardshin Council (FSC) sources	
		A. Use woo	d from Forestry Stewardship Council (FSC) sources	
	ATE	Baseline:	20% cost of wood products	
	<u>SFI</u>	Target:	50% cost of wood products	
	<u>FSC</u>			
M.1.2.B		Use rapidly shorter time	renewable materials, i.e., materials that are harvested within a 10 year or eframe	
		B. Materials	include cork, linoleum, wheatgrass, bamboo, cellulose insulation, etc.	
		Baseline:	1% cost of materials	
		Target:	2.5% cost of materials	
M.2.1.A		Implement a landfill	a construction waste management plan to divert recyclable waste from the	
	<u>CWM</u>	A. Implemen	t Construction Waste Management Plan.	
		Baseline:	75% waste diverted	
		Target:	85% waste diverted	
M.2.2.A		Provide cor	nvenient and appropriately sized recycling collection and storage	
		A. Provide c metal, cardb	onveniently located and appropriately sized recycle collection & storage for paper, oard, plastic and glass.	
		Baseline:	\checkmark	
		Target:	Include composting storage	
M.3.1.A		Retain non-	structural interior elements of existing building	
		A. Retain no ceiling, walls	n-structural interior elements of existing building . Including finished flooring, finished c, casework and doors.	
		Baseline:	40% of surface area	
		Target:	60% of surface area	

M.3.1.B		Retain structural components of existing building		
		B. Retain str windows.	ructural components of existing building, including roof, wall and floors but excluding	
		Baseline:	50% of existing walls, floors and roof by surface area	
		Target:	75% of existing walls, floors and roof by surface area	
M.3.2.A		Use demou	ntable floor-to-ceiling partitions and non-demising walls	
		A. Use demo lieu of stand	ountable floor-to-ceiling partitions for interior non structural and non-demising walls in lard wall construction (gwb).	
		Baseline:	30% of interior non-structural walls	
		Target:	60% of interior non-structural walls	
M.3.2.B		Select build	ling assemblies based on life-cycle cost analysis	
	LCCA	B. Select bu	ilding assemblies based on life-cycle cost analysis and 15 year payback periods.	
		Baseline:	Use life cycle cost analysis to select major building components Use life cycle cost analysis to select	
		Target:	foundation & floor, structural systems & walls, roof, envelope	
M.3.2.C		Select build	ling assemblies based on life-cycle assessment	
	ASMI-Impact Estimator	C. Use software like US National Institute for Standards and Technology Building for Environmental and Economic Sustainability BEEs or Solidworks CAD Sustainability Xpress add on to perform analyis.		
	BEES	Baseline:	Use life cycle assessment software to select major building components Use life cycle assessment software to select foundation and floor, structural systems and	
		Target:	wails, roor, envelope	
M.3.2.D		Use buildin	g materials that contain recycled content.	
		D. Calculation consumer consumer consumer consumer consumer constraints of the propertion of the process, to be	on is based on total cost of building materials only, excluding labor and MEP. Post ontent, already used by consumers and discarded, to be valued at 100% of e cost. Pre-consumer content, waste from manufacturing reintroduced into the be valued at 50% of proportionate cost.	
		Baseline:	5% total cost of bldg materials	
		Target:	20% total cost of bldg materials	
M.3.2.E		Re-use fur	niture and furnishings	
		E. Use curre	ent replacement value to establish cost of re-used items.	
		Baseline:	30% of furniture and furnishings budget	
		Target:	60% of furniture and furnishings budget	
M.3.2.F		Select well	built furnishings for durability.	
		F. Select we	Il built furnishings for durability.	
		Baseline:	10 years	

		Target:	20 years	
IE.1.1.A		Use low-emitting interior adhesives and sealants		
	SCAQMD-1168	A. Use low-emitting interior adhesives & sealants, i.e., inside the weather barrier.		
		Baseline:	Meet South Coast Air Quality Management District Rule #1168, dated 7/1/2005	
		Target:	Meet South Coast Air Quality Management District Rule #1168, dated 1/1/2007	
IE.1.1.B		Use low-en	nitting interior paints and coatings	
	<u>Green Seal standard GS – 11</u>	B. Use low-emitting interior paints & coatings, i.e., inside the weather barrier.		
	SCAQMD-1113	Baseline:	Meet 1997 Green Seal GC-03, 1993 Green Seal GS-11 Second Edition and South Coast Air Quality Management District Rule 1113, dated 1/1/2004	
		Target:	Meet 2010 Green Seal GS-11 Third Edition and South Coast Air Quality Management District Rule 1113, dated 7/1/2006	
IE.1.1.C		Use low-en	nitting systems furniture and seating	
	Healthier Products & Building Materials	C. Use low-emitting systems furniture & seating certified by large chamber emissions protocols for all new purchases		
	Scientific Certification Systems Indoor Advantage Gold	Baseline:	Green Guard or Indoor Advantage Gold Certified	
		Target:	n/a	
IE.1.1.D				
IE.1.1.D		Use wood a D. Use wood MDF, OSB.	and agrifiber products that contain no added urea formaldehyde d and agrifiber products that contain no added urea formaldehyde such as plywood,	
IE.1.1.D		Use wood a D. Use wood MDF, OSB. Baseline:	and agrifiber products that contain no added urea formaldehyde d and agrifiber products that contain no added urea formaldehyde such as plywood, $$	
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IE.1.1.D		Use wood a D. Use wood MDF, OSB. Baseline: Target:	and agrifiber products that contain no added urea formaldehyde d and agrifiber products that contain no added urea formaldehyde such as plywood, √ n/a	
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IE.1.1.D IE.1.1.E	CRI NSF/ANSI 140.	Use wood a D. Use wood MDF, OSB. Baseline: Target: Use low-en E. Use low-en emitting adh Baseline: Target:	and agrifiber products that contain no added urea formaldehyde d and agrifiber products that contain no added urea formaldehyde such as plywood, √ n/a hitting flooring systems emitting carpet, cushion and hardsurface flooring. Flooring adhesives to meet low esives requirements. Carpet: Carpet and Rug Institute's (CRI) Green Label Plus; Carpet Pad: CRI Green Label; Carpet Adhesive: VOC not to exceed 50g/l; Hardsurface Flooring: Floorscore Certified (except for solid wood and mineral based flooring) Carpet: NSF/ANSI 140 Gold	
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IE.1.1.D IE.1.1.E IE.1.1.F	CRI NSF/ANSI 140 Seattle 2009 Mechanical Code	Use wood a D. Use wood MDF, OSB. Baseline: Target: Use low-en E. Use low-en emitting adh Baseline: Target: Locate out f. 2009 Sea intakes and to be vents, bathroom, k are required	and agrifiber products that contain no added urea formaldehyde d and agrifiber products that contain no added urea formaldehyde such as plywood, √ n/a hitting flooring systems emitting carpet, cushion and hardsurface flooring. Flooring adhesives to meet low lesives requirements. Carpet: Carpet and Rug Institute's (CRI) Green Label Plus; Carpet Pad: CRI Green Label; Carpet Adhesive: VOC not to exceed 50g/l; Hardsurface Flooring: Floorscore Certified (except for solid wood and mineral based flooring) Carpet: NSF/ANSI 140 Gold Hechanical Codes requires a minimum of 10 ft. horizontal separation between air any hazardous or noxious contaminant source. Contaminant sources are considered streets, alleys, parking areas, and loading docks. (Exhaust from residential itchen and laundries are not considered hazardous and therefore smaller separations). This strategy increases the separation distance.	

	Target:	Increase distance to 60' from parking areas and loading docks. Do not allow smoking anywhere on the site.	
IE.1.1.G	Use envelope consultant to incorporate design measures to minimize water intrusion.		
	G. Use enve	G. Use envelope consultant to incorporate design measures to minimize water intrusion.	
	Baseline:	Member of design team	
	Target:	3rd party consultant	
IE.1.2.A	Provide thermal comfort controls to occupants		
	A. Provide	thermal comfort controls to occupants.	
	Baseline:	1 control zone per orientation and for each multi-occupant space Adjustable window coverings	
	Target:	In addition, provide operable windows	
IE.1.2.B	Implement thermal comfort survey		
	B. If project includes HVAC modifications, conduct thermal comfort survey. Survey to be based on 7pt scale format of agree strongly, agree, agree somewhat, neutral, disagree somewhat, disagree, disagree strongly.		
	Baseline:	Conduct survey. Implement corrective action plan if more than 20% of respondants provide negative feedback	
	Target:	Conduct comfort survey annually	
IE.1.3.A	Provide ap	propriate daylight levels.	
ASHRAE 189.1-2009	A. Provide	appropriate daylight levels.	
	Baseline: Target:	All opaque interior surfaces in the daylight zones to have a visible light reflectance of 80% for ceilings and 70% for partitions over 56" in height per ASHRAE standard 198.1- 2009 section 8.4.1.1.b. In addition to baseline requirements: Meet Effective Aperature criteria of ASHRAE 189.1-2009 section 8.4.1.1.a- (Window to wall ratio multiplied by visible light transmittance at least 0.15)	
IE.1.3.B	Install auto	matic daulight controls	
	B.Similary to E2.2.B- Install automatic daylight controls within 15' of all perimeter glazing, regardless of code compliance threshold.		
	Baseline:	Multi-Step Dimming	
	Target:	Continuous Dimming	
IE.1.3.C	Maximize o	occupied floor area w/ access to daylight.	
	C. Build full height walls at interior of floor and not at the perimeter so as to not obscure line of sight to windows. Minimum of 10 footcandles and maximum of 500 footcandles.		
	Baseline: Target:	50% of regularly occupied spaces are located within daylight zones and <=30% full height walls at perimeter 75% or more of regularly occupied spaces are located within daylight zones and 0 full height walls at perimeter	
	- C		

IE.1.3.D	Provide efficient task lighting at individual workstations in open office areas with limited lighting controls			
	D. Provide efficient LED or compact fluorescent task lighting fixtures. Permanantly mounted occupant sensing fixtures preferred, but not required.			
	Baseline:	75% of workstations		
	Target:	90% of work stations		
IE.1.4.A	Select interior materials to provide appropriate amount of sound absorption for application.			
	A. See calculator for detailed information on how to achieve this strategy.			
	Baseline:	Average absorption coefficent of all the surfaces (walls, floor, ceiling) in the space are between 0.2 and 0.3		
	Target:	Implement recommendations of acoustical		
IE.1.4.B	Dresside en			
	Provide spe	eech privacy between enclosed spaces.		
	B. Floor /ceiling assemblies shall meet the Barrier STC rating for the application - STC 25: Normal speech is clearly understood. Suitable for space division when speech privacy is not needed.STC 30: Loud speech is easily understood, and normal speech is heard but not easily understood. Suitable for room dividers where concentration is not required.STC 35: Loud speech is heard but not easily understood, and normal speech is heard faintly. Suitable for offices next to quiet spaces.STC 42-45: Loud speech is heard faintly but not understood, and normal speech is inaudible. Suitable for dividing noisy and quiet areas; tenant party walls; conference rooms and office areas.STC 46-50: Very loud sounds can be faintly heard (loud music). Suitable for separation between spaces which where total privacy is desired; sleeping area adjacent to active area; etc.			
	Baseline:	Design interior floor and ceiling assemblies to meet the above criteria when Seattle Building Code does not have a requirement for STC between spaces. Conduct acoustic comfort survey after		
	Target:	completion. Take corrective action if		
	raiget.			
IE. 1.4.0	Mitigate no	ise from HVAC equipment & plumbing		
	C. Background noise levels (from equipment) should not exceed guidelines in ASHRAE 2011 HVAC Applications Chapter 48, Table 1 for applicable space types, See guide book for additional details.			
	Baseline:	\checkmark		
	Target:	n/a		
IE.1.5.A	Implement	job-site indoor air quality plan during construction		
	A. Implement threshold.	nt job-site indoor air quality (IAQ) plan during construction, regardless of code		
	Baseline:	\checkmark		
	Target:	n/a		
IE.1.5.B	Perform bu	ilding flush out prior to occupancy.		
	B. Flush out	building with outside air prior to occupancy.		
	Baseline:	3500 CFM/SF at 60 degrees F and 60% humidity		

IE 1.6.A Use a raised floor system or provide flexible ducts for all diffusers. Baselina: Flexible ducts Target: Raised floor system IE 1.6.B Provide sufficient volume of outside air Baselina: Flexible ducts Control Marbaneous Conte B. Provide sufficient volume of outside air in accordance with 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation could be and code and an or representant mode and an or representant code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 VRP calculation or 2009 Seattle Mechanical Code and ASHRAE E2.1-2007 If and the supply servic			Target:	14000 CFM/SF at 60 degrees F and 60% humidity	
A. Use a raised floor system or provide flaxible ducts for air diffusers. Baseline: Flexible ducts Target: Raised floor system IE.1.5.8 Provide sufficient volume of outside air Seattle 2000 Meansated cose. B. Provide sufficient volume of outside air in accordance with 2009 Seattle Mechanical Code and ASHRAE 62.1-2007 VRP calculation or 2003 Seattle Mechanical Code and ASHRAE 62.1-2007 VRP calculation or 2003 Seattle Mechanical Code and ASHRAE 62.1-2007 USB aseline: Earlie buildings, use ASHRAE 62.1-2007 VRP calculation or 2003 Seattle Mechanical Code and ASHRAE 62.1-2007 USB aseline: Earlie buildings, use ASHRAE 62.1-2007 VRP calculation or 2003 Seattle Mechanical Code and a supply system, provide a damper postime feedback system. See guidebook for Target: details. IE.1.6.0 Provide effective zone ventilation distribution. C. The effectiveness of the ventilation distribution. IE.1.6.0 Provide effective action with a worst case operating context or bits and action paper of warm with a fiber or larget with a time action or outside air which in turn increases energy use. IE.1.6.0 Rest asystem with a worst case operating context or bits and barren or outside air and the action or a combination of both mechanical and natural ventilation distribution as accelerating conting conting or a combination of both mechanical and natural ventilation of a combination of both mechanical and natural ventilation or a combination of both mechanical and natural ventilation or a combination of both mechanical and natural ventilation factorianes stress. <th>IE.1.6.A</th> <th></th> <th colspan="3">Use a raised floor system or provide flexible ducts for air diffusers.</th>	IE.1.6.A		Use a raised floor system or provide flexible ducts for air diffusers.		
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Provide a system with a worst case operating condition ventilation distribution effectiveness (Ez) of at 1.0 as determined by 2009 SMC Target: Target: Target: Table 403.3.1.2. IE.1.6.D Meet code ventilation requirements with natural ventilation or a combination of both mechanical and natural ventilation, regardless of project size. D. Meet code ventilation requirements with natural ventilation or a combination of both mechanical and natural ventilation, regardless of project size. IE.1.6.D D. Meet code ventilation requirements with natural ventilation or a combination of both mechanical and natural ventilation, regardless of project size. IE.1.6.D Incorporate operable windows to provide ventilation or a combination of both mechanical and natural ventilation for areas within 25 feet of perimeter. (Minimum requirement of 4% net open area of floor area within 25 feet of Baseline: window). Target: n/a Parks Parks			Baseline:	Provide a system with a worst case operating condition ventilation distribution effectiveness (Ez) of at least 0.8 as determined by 2009 SMC Table 403.3.1.2.	
IE.1.6.D Meet code ventilation requirements with natural ventilation or a combination of both mechanical and natural ventilation, regardless of project size. D. Meet code ventilation requirements with natural ventilation or a combination of both mechanical and natural ventilation, regardless of project size. Incorporate operable windows to provide ventilation for areas within 25 feet of perimeter. (Minimum requirement of 4% net open area of floor area within 25 feet of Baseline: window). Target: n/a Parks Parks			Target:	Provide a system with a worst case operating condition ventilation distribution effectiveness (Ez) of at 1.0 as determined by 2009 SMC Table 403.3.1.2.	
D. Meet code ventilation requirements with natural ventilation or a combination of both mechanical and natural ventilation, regardless of project size. Incorporate operable windows to provide ventilation for areas within 25 feet of perimeter. (Minimum requirement of 4% net open area of floor area within 25 feet of Baseline: window). Target: n/a Parks Parks	IE.1.6.D		Meet code ventilation requirements with natural ventilation or a combination of both mechanical and natural ventilation, regardless of project size. D. Meet code ventilation requirements with natural ventilation or a combination of both mechanical and natural ventilation, regardless of project size.		
Incorporate operable windows to provide ventilation for areas within 25 feet of perimeter. (Minimum requirement of 4% net open area of floor area within 25 feet of window). Target: n/a Parks Parks Parks					
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