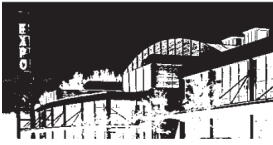

MERC Commission Meeting

January 4, 2017
12:30 pm

Portland's Centers for the Arts
1111 SW Broadway
Brunish Theater



600 NE Grand Ave.
Portland, OR 97232
503-797-1780

www.oregonmetro.gov



Metro | Exposition Recreation Commission

Agenda

Meeting: Metro Exposition Recreation Commission Meeting
Date: Wednesday, January 4, 2017
Time: 12:30 – 2:30p.m.
Place: Portland's 5 Centers for the Arts, Brunish Theater

CALL TO ORDER

- | | | | |
|--------------|------------|---|---|
| 12:30 | 1. | QUORUM CONFIRMED | |
| 12:35 | 2. | OPPORTUNITY FOR PUBLIC COMMENT ON NON-AGENDA ITEMS | |
| 12:40 | 3. | COMMISSION/COUNCIL LIAISON COMMUNICATIONS | Karis Stoudamire-Phillips, Sam Chase |
| 12:45 | 4. | INTERIM GM COMMUNICATIONS | Scott Cruickshank |
| 12:55 | 5. | FINANCIAL REPORT, pgs 6-18 | Ben Rowe |
| 1:00 | 6. | VENUE BUSINESS REPORTS | Robyn Williams, Matt Pizzuti, Matthew P. Rotchford |
| 1:15 | 7. | HYATT REGENCY PORTLAND UPDATE | Scott Cruickshank, Tim Collier |
| 1:30 | 8. | 2016 SUSTAINABILITY REPORT, pgs 20-62 | Jenna Garmin |
| 1:50 | 9. | CONSENT AGENDA | |
| | | <ul style="list-style-type: none"> • Record of MERC Actions, December 7, 2016, pgs 64-66 | |
| 1:55 | 10. | ACTION AGENDA | |
| | | Resolution 17-01: For the Purpose of Electing the Metropolitan Exposition Recreation Commission Chair and Vice Chair for the remainder of Fiscal Year 2016-17. | Karis Stoudamire-Phillips |
| 2:00 | 11. | EXECUTIVE SESSION TO CONDUCT DELIBERATIONS WITH PERSONS DESIGNATED BY THE COMMISSION TO CARRY ON LABOR NEGOTIATIONS UNDER ORS 192.660(2)(d) | |

ADJOURN

Metro respects civil rights

Metro fully complies with Title VI of the Civil Rights Act of 1964 and related statutes that ban discrimination. If any person believes they have been discriminated against regarding the receipt of benefits or services because of race, color, national origin, sex, age or disability, they have the right to file a complaint with Metro. For information on Metro's civil rights program, or to obtain a discrimination complaint form, visit www.oregonmetro.gov/civilrights or call 503-813-7514. Metro provides services or accommodations upon request to persons with disabilities and people who need an interpreter at public meetings. If you need a sign language interpreter, communication aid or language assistance, call 503-797-1890 or TDD/TTY 503-797-1804 (8 a.m. to 5 p.m. weekdays) 5 business days before the meeting. All Metro meetings are wheelchair accessible. For up-to-date public transportation information, visit TriMet's website at www.trimet.org.

Thông báo về sự Metro không kỳ thị của

Metro tôn trọng dân quyền. Muốn biết thêm thông tin về chương trình dân quyền của Metro, hoặc muốn lấy đơn khiếu nại về sự kỳ thị, xin xem trong www.oregonmetro.gov/civilrights. Nếu quý vị cần thông dịch viên ra dấu bằng tay, trợ giúp về tiếp xúc hay ngôn ngữ, xin gọi số 503-797-1890 (từ 8 giờ sáng đến 5 giờ chiều vào những ngày thường) trước buổi họp 5 ngày làm việc.

Повідомлення Metro про заборону дискримінації

Metro з повагою ставиться до громадянських прав. Для отримання інформації про програму Metro із захисту громадянських прав або форми скарги про дискримінацію відвідайте сайт www.oregonmetro.gov/civilrights або Якщо вам потрібен перекладач на зборах, для задоволення вашого запиту зателефонуйте за номером 503-797-1890 з 8.00 до 17.00 у робочі дні за п'ять робочих днів до зборів.

Metro 的不歧视公告

尊重民權。欲瞭解Metro民權計畫的詳情，或獲取歧視投訴表，請瀏覽網站 www.oregonmetro.gov/civilrights。如果您需要口譯方可參加公共會議，請在會議召開前5個營業日撥打503-797-1890（工作日上午8點至下午5點），以便我們滿足您的要求。

Ogeysiiska takooris la'aanta ee Metro

Metro waxay ixtiraamtaa xuquuqda madaniga. Si aad u heshid macluumaad ku saabsan barnaamijka xuquuqda madaniga ee Metro, ama aad u heshid warqadda ka cabashada takoorista, booqo www.oregonmetro.gov/civilrights. Haddii aad u baahan tahay turjubaan si aad uga qaybqaadatid kullan dadweyne, wac 503-797-1890 (8 gallinka hore illaa 5 gallinka dambe maalmaha shaqada) shan maalmo shaqa ka hor kullanka si loo tixgaliyo codsashadaada.

Metro의 차별 금지 관련 통지서

Metro의 시민권 프로그램에 대한 정보 또는 차별 항의서 양식을 얻으려면, 또는 차별에 대한 불만을 신고 할 수 www.oregonmetro.gov/civilrights. 당신의 언어 지원이 필요한 경우, 회의에 앞서 5 영업일 (오후 5시 주중에 오전 8시) 503-797-1890를 호출합니다.

Metroの差別禁止通知

Metroでは公民権を尊重しています。Metroの公民権プログラムに関する情報について、または差別苦情フォームを入手するには、www.oregonmetro.gov/civilrights。までお電話ください公開会議で言語通訳を必要とされる方は、Metroがご要請に対応できるよう、公開会議の5営業日前までに503-797-1890（平日午前8時～午後5時）までお電話ください。

ការម Metro

ការគោរពសិទ្ធិពលរដ្ឋរបស់ ។ សំរាប់ព័ត៌មានអំពីកម្មវិធីសិទ្ធិពលរដ្ឋរបស់ Metro ឬដើម្បីទទួលបានក្បួនប្រកាស រឺសេចក្តីសម្រេចលទ្ធផលនានាគេហទំព័រ www.oregonmetro.gov/civilrights។ បើលោកអ្នកត្រូវការអនុបកប្រែភាសានៅពេលអង្គប្រជុំសាធារណៈ សូមទូរស័ព្ទលេខ 503-797-1890 (ម៉ោង 8 រឺក្នុងម៉ោង 5 ល្ងាច ថ្ងៃអាទិត្យ) ប្រាំពីរថ្ងៃមុន ថ្ងៃអង្គារ មុនថ្ងៃប្រជុំដើម្បីអាចឲ្យគេសម្រួលភាសាសំណើរបស់លោកអ្នក

إشعار بحقوق مدني من Metro

تحتزم Metro الحقوق والمدنية للمزيد من المعلومات حول برنامج Metro لحقوق والمدنية أو لإبداء شكوى خذات مديري رجي زيارة الموقع الإلكتروني www.oregonmetro.gov/civilrights. إن كنت بحاجة إلى مساعدة في اللغة، ي ج ب ع ل ي ك الاتصال مقدم ب ر ق ل ه ا ت ف 503-797-1890 من الساعة 8 صباحاً حتى الساعة 5 مساءً، أيام الاثنين إلى الجمعة قبل خمسة () أيام عمل من موعد الاجتماع.

Paunawa ng Metro sa kawalan ng diskriminasyon Iginagalang ng Metro ang mga karapatang sibil. Para sa impormasyon tungkol sa programa ng Metro sa mga karapatang sibil, o upang makakuha ng porma ng reklamo sa diskriminasyon, bisitahin ang www.oregonmetro.gov/civilrights. Kung kailangan ninyo ng interpreter ng wika sa isang pampublikong pulong, tumawag sa 503-797-1890 (8 a.m. hanggang 5 p.m. Lunes hanggang Biyernes) lima araw ng trabaho bago ang pulong upang mapagbigyan ang inyong kahilingan. Notificación de no discriminación de Metro.

Notificación de no discriminación de Metro

Metro respeta los derechos civiles. Para obtener información sobre el programa de derechos civiles de Metro o para obtener un formulario de reclamo por discriminación, ingrese a www.oregonmetro.gov/civilrights. Si necesita asistencia con el idioma, llame al 503-797-1890 (de 8:00 a. m. a 5:00 p. m. los días de semana) 5 días laborales antes de la asamblea.

Уведомление о недопущении дискриминации от Metro

Metro уважает гражданские права. Узнать о программе Metro по соблюдению гражданских прав и получить форму жалобы о дискриминации можно на веб-сайте www.oregonmetro.gov/civilrights. Если вам нужен переводчик на общественном собрании, оставьте свой запрос, позвонив по номеру 503-797-1890 в рабочие дни с 8:00 до 17:00 и за пять рабочих дней до даты собрания.

Avizul Metro privind nediscriminarea

Metro respectă drepturile civile. Pentru informații cu privire la programul Metro pentru drepturi civile sau pentru a obține un formular de reclamație împotriva discriminării, vizitați www.oregonmetro.gov/civilrights. Dacă aveți nevoie de un interpret de limbă la o ședință publică, sunați la 503-797-1890 (între orele 8 și 5, în timpul zilelor lucrătoare) cu cinci zile lucrătoare înainte de ședință, pentru a putea să vă răspunde în mod favorabil la cerere.

Metro txoj kev ntxub ntxaug daim ntawv ceeb toom

Metro tributes cai. Rau cov lus qhia txog Metro txoj cai kev pab, los yog kom sau ib daim ntawv tsis txaus siab, mus saib www.oregonmetro.gov/civilrights. Yog hais tias koj xav tau lus kev pab, hu rau 503-797-1890 (8 teev sawv ntxov txog 5 teev tsaus ntuj weekdays) 5 hnub ua hauj lw m ua nte ntawm lub rooj sib tham.



MERC Commission Meeting

January 4, 2017
12:30 pm

5.0 Financial Report

NOVEMBER 2016

FINANCIAL INFORMATION

For Management Purposes only



OREGN

Oregon
Convention
Center



Memo



Metro

600 NE Grand Ave.
Portland, OR 97232-2736

Date: January 4, 2017
To: Commissioner Karis Stoudamire-Phillips, Vice Chair
Commissioner Deidra Krys-Rusoff, Secretary-Treasurer
Commissioner Terry Goldman
Commissioner Damien Hall
Commissioner Judie Hammerstad
Commissioner Ray Leary

From: Ben Rowe – MERC Finance Manager
Re: Financial information for the month of November Fiscal Year 2016-17

2016-17 November Summary

Overall, the venues are having another excellent year compared to record high revenues in recent years. Total MERC event revenues (charges for services and food & beverage), year to date (YTD), closed 8% below prior year, however 15% above the three-year historical YTD average. Year to date rent and event charges for services closed slightly above the prior year, however, food and beverage closed 19% below the prior year. Total YTD MERC revenues closed 4% below the prior year, 15% above the three-year historical average, and 5.3% above YTD budget projections. Total YTD MERC expenses closed 1% above the prior year, 12% above the three-year historical average, and slightly below YTD budget projections.

Fiscal Year 2016-17 Economic Dynamics

Several economic and industry dynamics will interact throughout FY 2016-17 resulting in a fiscal year perhaps not as robust as the last two fiscal years. Firstly, FY 2014-15 and FY 2015-16 were both record-breaking high grossing years for the venues. Any comparison to these years is skewed because they were so robust. That being said, each of the venues' event schedule forecast for FY 2016-17 and beyond is unique. Portland's hosted a record number of Broadway performances (12.5 weeks) in FY 2015-16 however has even more (13.5 weeks) currently booked for FY 2016-17. OCC on the other hand may experience the effects of a reduced national convention schedule due to the current upswing in Portland's hotel market. The Portland hotel market began heating up a few years ago which facilitated a disincentive to hoteliers to provide large room blocks for national convention business. While hotel market demand has grown significantly in the last three years, supply has not increased since 2009. Looking to the near future, there are several downtown hotel projects slated to open in the next 36 months, which should greatly improve the market's capacity and opportunity for booking national conventions. Several large repeat clients at OCC and Expo schedule events every two years instead of each year. We have already seen the off year effect of this scheduling pattern at both venues in July. Finally, it is unknown how long the strong consumer confidence and spending which fueled our growth over the past two years can sustain itself. We hope the consumer spending trends we have seen recently will continue throughout the year and at each Broadway show and convention, however we may experience fluctuations in consumer spending influenced by national political and economic events throughout the year. The venues may have yet another great year or we may experience some cooling when compared to our most recent years.

MERC Venues Events & Attendance

Total MERC venues November events and attendance are respectively at 7% below and 9% above the three-year historical average.

Total MERC Venues	2015		2016		Change from Prior Year	
	Events	Attendance	Events	Attendance	Events	Attendance
1 st Quarter	293	329,836	284	342,829	(9), (3%)	12,993, 4%
October	181	157,188	166	170,280	(4), (2%)	23,468, 15%
November	154	141,091	141	163,917	(13), (8%)	22,826, 16%
Year to Date	628	628,115	591	677,026	(37), (6%)	48,911, 8%

MERC Venues Revenues & Expense

Total MERC event revenues (charges for services and food & beverage) in November closed 19% above November 2015. Total venue expenses for November closed 18% below the prior year.

Food & Beverage

The total MERC venues food and beverage margin for November is 23% and 22% YTD, 1% below the three-year historical YTD average.

Net Operations

Total MERC YTD net operations is \$1.16 million less than the prior year and \$669,000 greater than the three-year historical YTD average.

Historical Actual Comparison FY 2014-2016 to FY 2016-17

Fiscal Year:	2014	2015	2016	2017	3-yr Hist.	% Diff	% Diff
Revenues	YTD	YTD	YTD	YTD	Average	Average	2016
Food and Beverage	5,789,098	6,822,912	9,144,972	7,431,093	7,252,327	2.5%	-18.7%
Charges for Services	7,048,235	9,189,970	11,023,194	11,025,497	9,087,133	21.3%	0.0%
Lodging Tax	4,265,769	5,182,583	5,267,881	5,826,749	4,905,411	18.8%	10.6%
Other	83,016	236,994	109,096	237,972	143,035	66.4%	118.1%
Total Revenues	17,186,119	21,432,458	25,545,143	24,521,312	21,387,907	14.7%	-4.0%
Expenses							
Food and Beverage	5,003,615	5,258,690	6,521,406	5,797,960	5,594,570	3.6%	-11.1%
Personnel Services	6,673,841	7,183,823	7,802,821	8,061,529	7,220,161	11.7%	3.3%
Materials and Services	4,374,812	4,816,649	5,665,012	6,291,635	4,952,158	27.0%	11.1%
Other Operating Expense	2,554,057	2,863,733	2,864,790	2,840,717	2,760,860	2.9%	-0.8%
Total Operating Expense	18,606,324	20,122,895	22,854,029	22,991,841	20,527,750	12.0%	0.6%
Net Operations	(1,420,206)	1,309,563	2,691,114	1,529,471	860,157	77.8%	-43.2%
Food & Beverage Margins	13.6%	22.9%	28.7%	22.0%	22.9%	-0.9%	-6.7%

Oregon Convention Center

OCC set new gross revenue records in September, October, and November! November revenues closed less than 1% (\$24,566) above the prior November, 11% (\$523,117) above the three-year historical average, and 5% above November budget projections. OCC hosted 4 (9%) fewer events and 443 (1%) fewer attendees in November compared to the prior year. November events and attendance are respectively 8% and 9% less than the three-year historical monthly average. November expenses closed less than 1% below the prior year, 12% above the three-year historical average, and 6% below November budget projections. OCC's YTD food and beverage margin is 21.5%, 9% below the prior YTD margin.

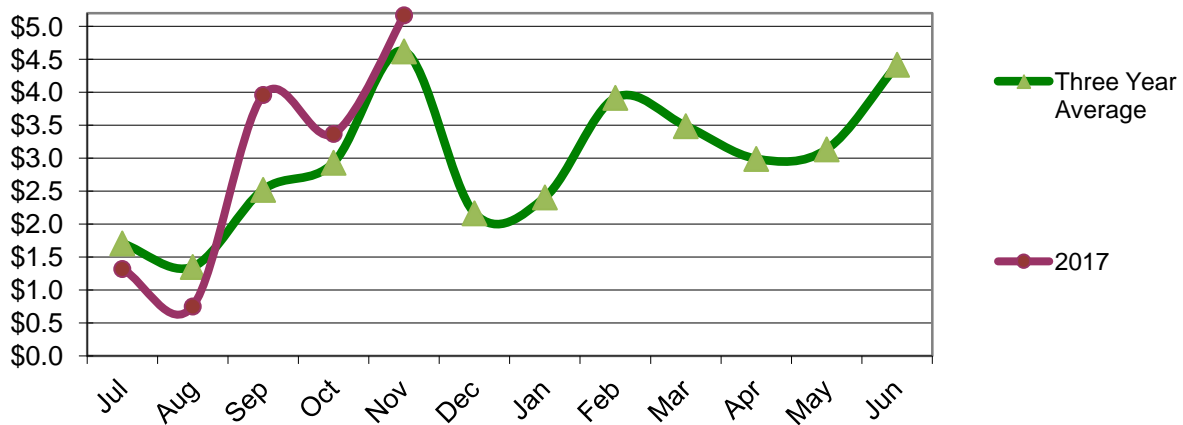
Highest Grossing Events

Event*	Gross Event Revenue	% of November Event Revenue
American Physical Education Society	\$561,347	28%
PSU – Simon Benson Awards Dinner	155,788	8%
National Science Teachers Association	144,896	7%
Abbey Foundation of Oregon	108,925	6%
All other Events	1,007,920	51%
Total	\$1,978,877	100%

*Note: revenue reported in this section reflects event receipts in month only and not total gross event revenue.

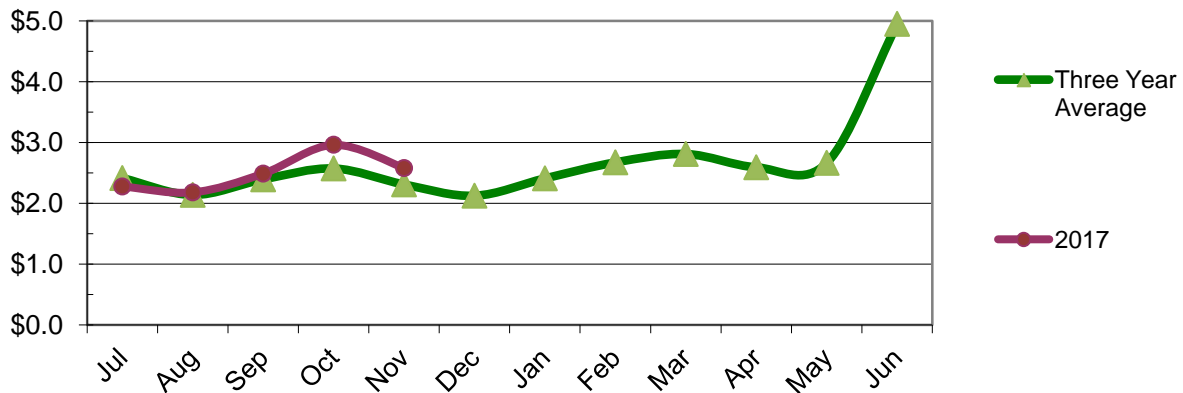
OCC Program Revenues by Month

Shown in Millions



OCC Program Expense by Month

Shown in Millions



Portland's Centers for the Arts

Portland's set new gross revenue records in September, October, and November! Portland's November revenues closed 30% (\$506,581) above the prior November, 59% (\$802,282) above the three-year historical average and 15% above November budget projections. Portland's hosted 3 (-3%) fewer performances, and 33,280 (43%) more attendees compared to the prior year. November performances and attendance are 3% below and 37% above the three-year historical monthly average respectively. November expenses are 30% above the prior year, 86% above the three-year historical average and 6% above November budget projections. Portland's YTD food and beverage margin is 29%, 3% above the prior YTD margin.

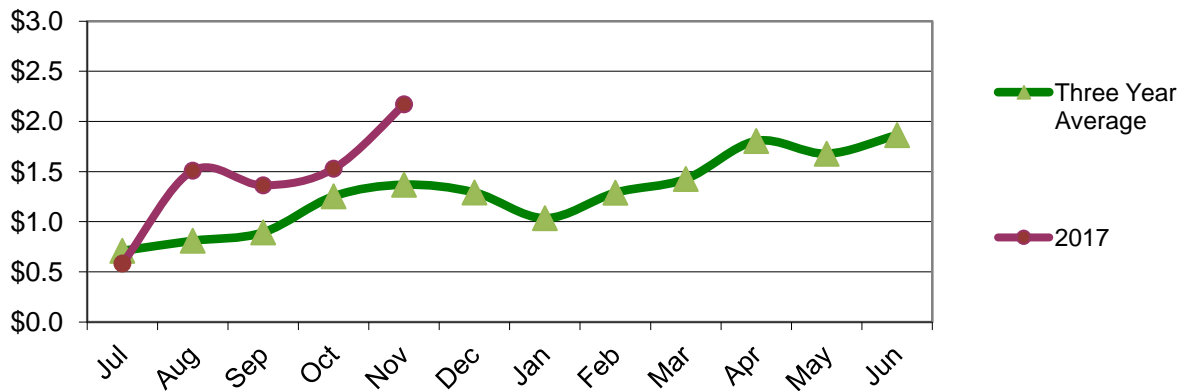
Highest Grossing Events

Event*	Gross Event Revenue	% of November Event Revenue
Beautiful	\$239,909	14%
Portland's Singing Christmas Tree	134,752	8%
Los Tigres del Norte	110,099	6%
Sturgill Simpson	65,848	4%
All other Events	1,185,742	68%
Total	\$1,736,349	100%

*Note: revenue reported in this section reflects event receipts in month only and not total gross event revenue.

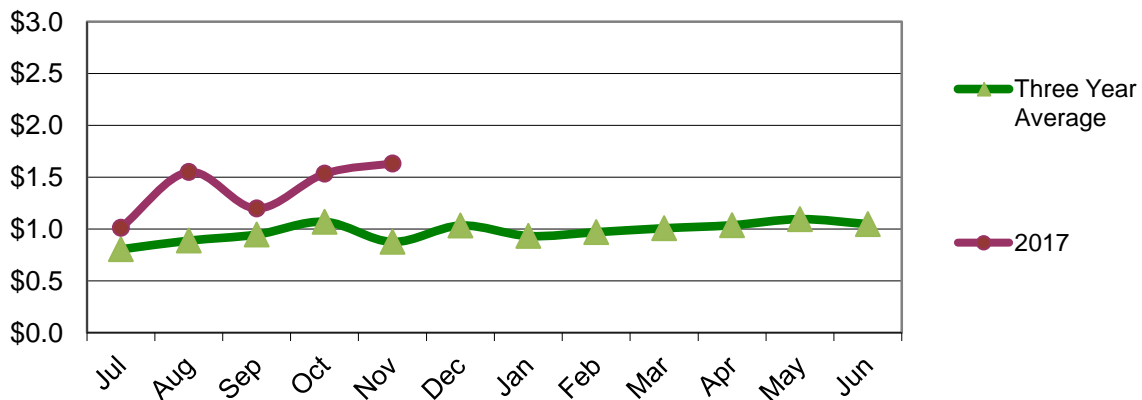
P5CA Program Revenue by Month

Shown in Millions



P5CA Program Expense by Month

Shown in Millions



Portland Expo Center

Expo's November revenues closed 14% (\$94,607) below the prior November, 5% (\$32,019) below the three-year historical average, and 13% below November budget projections. Expo hosted 6 (46%) fewer events and 10,011 (27%) fewer attendees in November than the prior year. Events and attendance closed 32% and 29%, respectively, below the three-year historical monthly average. Expo's November expenses closed 8% above the prior year, 10% above the three-year historical average, and 6% below November budget projections. Expo's YTD food & beverage margin is 12%, 2% less than the prior YTD margin.

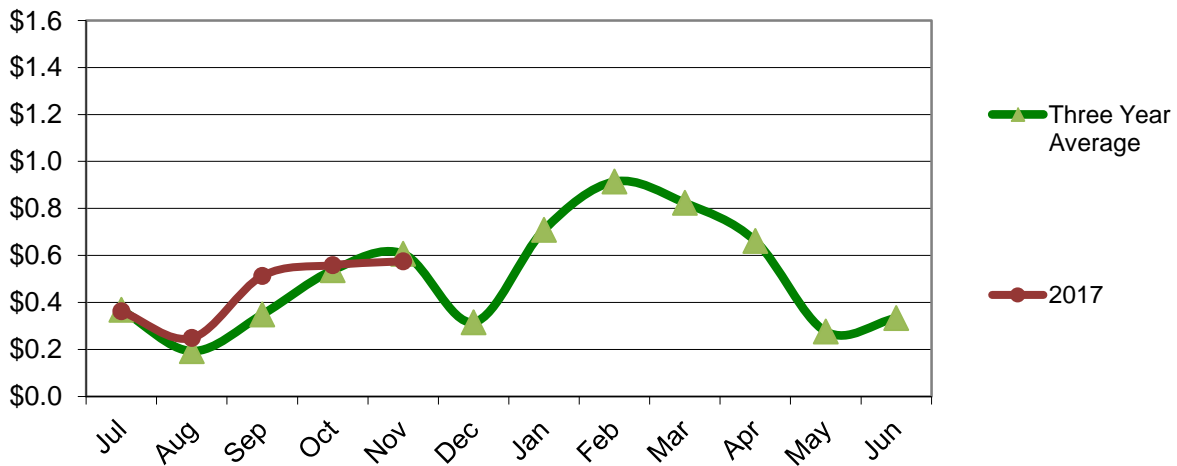
Highest Grossing Events

Event*	Gross Event Revenue	% of November Event Revenue
America's Largest Christmas Bazaar	\$170,687	32%
Portland Metro RV Dealers	145,952	27%
Portland Skifever & Snowboard Show	93,829	17%
Subaru Shining Brighter Ride & Drive	30,021	6%
All other Events	97,245	18%
Total	\$537,733	100%

*Note: revenue reported in this section reflects event receipts in month only and not total gross event revenue.

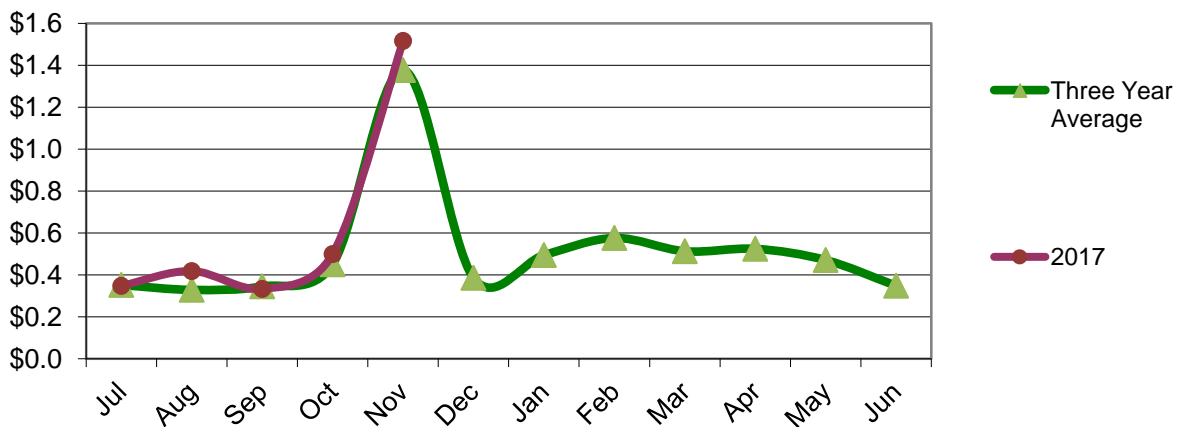
Expo Program Revenue by Month

Shown in Millions



Expo Program Expense by Month

Shown in Millions



MERC Statement of Activity with Annual Budget

Metropolitan Exposition-Recreation Commission

All Departments

November 2016

	Current Month Actual	Prior Year Month Actual	Current Year to Date Actual	Prior Year to Date Actual	Current Year Budget	% of Prior Year	% of Annual Budget
Operations							
Charges for Services	2,702,647	2,374,903	11,025,497	11,023,194	25,283,884	100.02%	43.61%
Contributions from Governments	-	-	-	-	871,029	0.00%	0.00%
Contributions from Private Sources	-	-	-	-	13,000	0.00%	0.00%
Enhanced Marketing VDF	-	-	-	-	486,118	0.00%	0.00%
Food and Beverage Revenue	1,744,796	1,348,748	7,431,093	9,144,972	17,248,329	81.26%	43.08%
Grants	30	-	2,130	-	55,000	0.00%	3.87%
Interest Earnings	53,525	28,165	61,718	77,183	171,000	79.96%	36.09%
Lodging Tax	3,492,024	3,829,533	5,826,749	5,267,881	11,964,317	110.61%	48.70%
Miscellaneous Revenue	17,850	7,974	57,459	31,912	103,440	180.05%	55.55%
Transfers-R	23,333	-	116,665	-	280,000	0.00%	41.67%
Visitor Development Fund Alloc	-	-	-	-	6,468,315	0.00%	0.00%
Total Revenues	8,034,206	7,589,322	24,521,312	25,545,143	62,944,432	95.99%	38.96%
Capital Outlay	-	-	-	-	-	0.00%	0.00%
Food & Beverage Services	1,347,653	1,115,337	5,797,960	6,521,406	13,985,429	88.91%	41.46%
Materials and Services	1,403,562	1,274,100	6,291,635	5,665,012	17,300,339	111.06%	36.37%
Personnel Services	1,686,980	1,644,836	8,061,529	7,802,821	20,310,932	103.32%	39.69%
Transfers-E	1,392,513	1,311,761	2,840,717	2,864,790	9,797,330	99.16%	28.99%
Visitor Development Marketing	-	-	-	-	486,118	0.00%	0.00%
Total Expenditures	5,830,708	5,346,035	22,991,841	22,854,029	61,880,148	100.60%	37.16%
Net Operations	2,203,498	2,243,288	1,529,471	2,691,114	1,064,284		
Capital							
Contributions from Private Sources	-	-	-	-	637,501	0.00%	0.00%
Grants	-	-	18,464	-	-	0.00%	0.00%
Miscellaneous Revenue	25	-	4,317	-	-	0.00%	0.00%
Transfers-R	26,667	-	133,335	-	320,000	0.00%	41.67%
Total Revenues	26,692	-	156,116	-	957,501	0.00%	16.30%
Capital Outlay	467,621	96,174	1,741,329	891,415	14,418,744	195.34%	12.08%
Materials and Services	5	-	222	18,571	46,000	1.20%	0.48%
Total Expenditures	467,626	96,174	1,741,551	909,986	14,464,744	191.38%	12.04%
Net Capital	(440,934)	(96,174)	(1,585,435)	(909,986)	(13,507,243)		
12 Month Fund Balance Increase	1,762,563	2,147,114	(55,964)	1,781,128	(12,442,959)		

MERC Statement of Activity with Annual Budget

Metropolitan Exposition-Recreation Commission

Convention Center Operating Fund

November 2016

	Current Month Actual	Prior Year Month Actual	Current Year to Date Actuals	Prior Year to Date Actual	Current Year Budget	% of Prior Year to Date	% of Annual Budget
Operations							
Charges for Services	895,819	848,009	4,357,543	5,098,442	10,764,464	85.5%	40.5%
Enhanced Marketing VDF	-	-	-	-	486,118	0.0%	0.0%
Food and Beverage Revenue	1,211,405	960,143	5,326,238	7,203,588	12,000,000	73.9%	44.4%
Grants	30	-	2,130	-	-	0.0%	0.0%
Interest Earnings	18,944	10,862	19,296	25,580	75,000	75.4%	25.7%
Lodging Tax	3,105,661	3,384,068	5,182,068	4,655,103	10,593,288	111.3%	48.9%
Miscellaneous Revenue	6,465	2,267	22,535	9,950	17,000	226.5%	132.6%
Transfers-R	(67,396)	(58,987)	(336,980)	(294,934)	(808,751)	114.3%	41.7%
Visitor Development Fund Alloc	-	-	-	-	5,771,546	0.0%	0.0%
Total Revenues	5,170,927	5,146,361	14,572,831	16,697,728	38,898,665	87.3%	37.5%
Food & Beverage Services	957,291	815,713	4,181,899	5,007,594	9,762,922	83.5%	42.8%
Materials and Services	591,832	732,532	3,096,297	3,150,024	10,167,186	98.3%	30.5%
Personnel Services	827,819	853,866	4,155,101	4,141,223	10,892,021	100.3%	38.1%
Transfers-E	199,731	191,339	1,040,639	1,107,207	6,790,481	94.0%	15.3%
Visitor Development Marketing	-	-	-	-	486,118	0.0%	0.0%
Total Expenditures	2,576,673	2,593,450	12,473,936	13,406,048	38,098,728	93.0%	32.7%
Net Operations	2,594,254	2,552,911	2,098,895	3,291,680	799,937		
Capital							
Contributions from Private Sources	-	-	-	-	398,438	0.0%	0.0%
Grants	-	-	7,500	-	-	0.0%	0.0%
Miscellaneous Revenue	25	-	4,317	-	-	0.0%	0.0%
Transfers-R	26,667	-	133,335	-	1,695,000	0.0%	7.9%
Total Revenues	26,692	-	145,152	-	2,093,438	0.0%	6.9%
Capital Outlay	167,806	33,444	608,082	253,213	6,913,959	240.1%	8.8%
Materials and Services	5	-	222	18,571	-	1.2%	0.0%
Total Expenditures	167,811	33,444	608,304	271,784	6,913,959	223.8%	8.8%
Net Capital	(141,119)	(33,444)	(463,152)	(271,784)	(4,820,521)		
12 Month Fund Balance Increase	2,453,134	2,519,467	1,635,743	3,019,896	(4,020,584)		

MERC Statement of Activity with Annual Budget

Metropolitan Exposition-Recreation Commission

Portland's Centers for the Arts Fund

November 2016

	Current Month Actual	Prior Year Month Actual	Current Year to Date Actuals	Prior Year to Date Actual	Current Year Budget	% of Prior Year to Date	% of Annual Budget
Operations							
Charges for Services	1,408,700	1,037,195	5,212,203	4,423,738	10,351,965	117.8%	50.3%
Contributions from Governments	-	-	-	-	871,029	0.0%	0.0%
Contributions from Private Sources	-	-	-	-	13,000	0.0%	0.0%
Food and Beverage Revenue	386,206	204,523	1,432,567	1,302,262	3,252,119	110.0%	44.1%
Grants	-	-	-	-	55,000	0.0%	0.0%
Interest Earnings	17,636	10,609	21,893	37,135	60,000	59.0%	36.5%
Lodging Tax	386,363	445,465	644,681	612,779	1,371,029	105.2%	47.0%
Miscellaneous Revenue	8,634	2,013	24,695	13,873	61,590	178.0%	40.1%
Transfers-R	(36,852)	(35,701)	(184,261)	(178,505)	(442,226)	103.2%	41.7%
Visitor Development Fund Alloc	-	-	-	-	696,769	0.0%	0.0%
Total Revenues	2,170,686	1,664,105	7,151,778	6,211,281	16,290,275	115.1%	43.9%
Food & Beverage Services	259,146	158,227	1,023,176	966,470	2,520,826	105.9%	40.6%
Materials and Services	609,570	462,397	2,517,158	1,960,601	5,126,153	128.4%	49.1%
Personnel Services	665,298	536,727	2,877,442	2,559,194	6,786,405	112.4%	42.4%
Transfers-E	96,587	97,369	507,155	521,563	1,256,191	97.2%	40.4%
Total Expenditures	1,630,601	1,254,720	6,924,931	6,007,828	15,689,575	115.3%	44.1%
Net Operations	540,085	409,385	226,847	203,453	600,700		
Capital							
Contributions from Private Sources	-	-	-	-	95,625	0.0%	0.0%
Grants	-	-	9,964	-	-	0.0%	0.0%
Total Revenues	-	-	9,964	-	95,625	0.0%	10.4%
Capital Outlay	129,074	34,556	892,658	447,082	5,229,405	199.7%	17.1%
Total Expenditures	129,074	34,556	892,658	447,082	5,229,405	199.7%	17.1%
Net Capital	(129,074)	(34,556)	(882,694)	(447,082)	(5,133,780)		
12 Month Fund Balance Increase	411,011	374,829	(655,848)	(243,629)	(4,533,080)		

MERC Statement of Activity with Annual Budget

Metropolitan Exposition-Recreation Commission

Expo Fund

November 2016

	Current Month Actual	Prior Year Month Actual	Current Year to Date Actuals	Prior Year to Date Actual	Current Year Budget	% of Prior Year to Date	% of Annual Budget
Operations							
Charges for Services	398,129	489,699	1,455,751	1,501,015	4,167,455	97.0%	34.9%
Food and Beverage Revenue	147,185	184,082	672,289	639,122	1,996,210	105.2%	33.7%
Interest Earnings	3,356	2,164	2,076	5,243	18,000	39.6%	11.5%
Miscellaneous Revenue	2,751	3,694	10,229	8,090	24,850	126.4%	41.2%
Transfers-R	23,333	(10,278)	116,665	(51,390)	280,000	-227.0%	41.7%
Total Revenues	574,754	669,361	2,257,010	2,102,079	6,486,515	107.4%	34.8%
Food & Beverage Services							
Food & Beverage Services	131,216	141,397	592,885	547,342	1,701,681	108.3%	34.8%
Materials and Services	136,020	75,800	509,925	379,345	1,468,915	134.4%	34.7%
Personnel Services	153,262	167,129	724,020	730,483	1,765,261	99.1%	41.0%
Transfers-E	1,096,020	1,023,053	1,287,048	1,236,020	1,734,308	104.1%	74.2%
Total Expenditures	1,516,518	1,407,379	3,113,878	2,893,190	6,670,165	107.6%	46.7%
Net Operations							
	(941,764)	(738,019)	(856,867)	(791,110)	(183,650)		
Capital							
Contributions from Private Sources	-	-	-	-	143,438	0.0%	0.0%
Grants	-	-	1,000	-	-	0.0%	0.0%
Transfers-R	-	-	-	-	1,016,740	0.0%	0.0%
Total Revenues	-	-	1,000	-	1,160,178	0.0%	0.1%
Capital Outlay	170,741	28,175	240,588	191,120	2,025,380	125.9%	11.9%
Materials and Services	-	-	-	-	46,000	0.0%	0.0%
Total Expenditures	170,741	28,175	240,588	191,120	2,071,380	125.9%	11.6%
Net Capital							
	(170,741)	(28,175)	(239,588)	(191,120)	(911,202)		
12 Month Fund Balance Increase							
	(1,112,505)	(766,193)	(1,096,456)	(982,230)	(1,094,852)		

MERC Statement of Activity with Annual Budget

Metropolitan Exposition-Recreation Commission

MERC Admin Sub Fund

November 2016

	Current Month Actual	Prior Year Month Actual	Current Year to Date Actuals	Prior Year to Date Actual	Current Year Budget	% of Prior Year to Date	% of Annual Budget
Operations							
Interest Earnings	13,590	4,530	18,452	9,226	18,000	200.0%	102.5%
Transfers-R	104,248	104,966	521,240	524,829	1,250,977	99.3%	41.7%
Total Revenues	117,838	109,496	539,693	534,055	1,268,977	101.1%	42.5%
Capital Outlay	-	-	-	-	-	0.0%	0.0%
Materials and Services	66,140	3,372	168,254	175,042	538,085	96.1%	31.3%
Personnel Services	40,600	87,113	304,967	371,921	867,245	82.0%	35.2%
Transfers-E	175	-	5,875	-	16,350	0.0%	35.9%
Total Expenditures	106,916	90,485	479,096	546,963	1,421,680	87.6%	33.7%
Net Operations	10,923	19,011	60,597	(12,908)	(152,703)		
Capital							
Transfers-R	-	-	-	-	(2,391,740)	0.0%	0.0%
Total Revenues	-	-	-	-	(2,391,740)	0.0%	0.0%
Capital Outlay	-	-	-	-	250,000	0.0%	0.0%
Total Expenditures	-	-	-	-	250,000	0.0%	0.0%
Net Capital	-	-	-	-	(2,641,740)		
12 Month Fund Balance Increase	10,923	19,011	60,597	(12,908)	(2,794,443)		

**MERC Visitor Venues
Events-Performances-Attendance
FY 2016-17**

OCC	November 2013		November 2014		November 2015		November 2016		Net Change from Prior Year		November 2016	
	Events	Attendance	Events	Attendance	Events	Attendance	Events	Attendance	Events	Attendance	Revenue	% of Rev.
Tradeshows/Conventions	3	3,963	8	18,716	5	6,302	7	10,935	2	4,633	876,833	44%
Consumer Public Shows	6	19,229	6	17,030	8	19,467	3	9,811	(5)	(9,656)	147,309	7%
Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	0%
Miscellaneous -In-House	11	85	12	205	12	301	9	375	(3)	74	6,149	0%
Meetings	16	2,861	13	2,725	15	4,218	16	6,544	1	2,326	528,803	27%
Catering	9	6,632	9	4,082	7	2,997	8	5,177	1	2,180	419,784	21%
Totals	45	32,770	48	42,758	47	33,285	43	32,842	(4)	(443)	\$ 1,978,878	100%

Expo Center	November 2013		November 2014		November 2015		November 2016		Net Change from Prior Year		November 2016	
	Events	Attendance	Events	Attendance	Events	Attendance	Events	Attendance	Events	Attendance	Revenue	% of Rev.
Consumer Public Shows	6	38,977	6	34,220	5	24,312	3	23,529	(2)	(783)	443,790	83%
<i>Cirque Du Soleil</i>	-	-	-	-	-	-	-	-	-	-	-	0%
Miscellaneous	2	425	1	20	3	2,422	2	488	(1)	(1,934)	61,736	12%
Meetings	1	26	-	-	3	157	1	40	(2)	(117)	1,498	0%
Catering	-	-	-	-	-	-	-	-	-	-	-	0%
Tradeshows/Conventions	1	1,450	1	2,500	2	10,246	1	3,069	(1)	(7,177)	29,645	6%
Totals	10	40,878	8	36,740	13	37,137	7	27,126	(6)	(10,011)	\$ 536,669	100%
Totals w/Cirque du Soleil	10	40,878	8	36,740	13	37,137	7	27,126	(6)	(10,011)	\$ 536,669	100%

Portland '5	November 2013		November 2014		November 2015		November 2016		Net Change from Prior Year		November 2016	
	Performances	Attendance	Performances	Attendance	Performances	Attendance	Performances	Attendance	Performances	Attendance	Revenue	% of Rev.
Commercial (Non-Broadway)	13	15,617	6	9,407	6	10,318	20	35,288	14	24,970	753,039	43%
Broadway	8	13,576	8	13,522	7	14,544	8	18,976	1	4,432	295,199	17%
Resident Company	19	25,860	31	37,889	22	22,238	23	28,263	1	6,025	10,927	1%
Non-Profit	34	14,959	38	7,561	42	14,100	20	9,910	(22)	(4,190)	400,882	23%
Promoted/Co-Promoted	1	63	2	172	2	854	6	2,517	4	1,663	204,579	12%
Student	13	8,360	13	8,308	14	8,514	12	8,750	(2)	236	69,579	4%
Miscellaneous	1	146	1	122	1	101	2	245	1	144	2,144	0%
Totals	89	78,581	99	76,981	94	70,669	91	103,949	(3)	33,280	\$ 1,736,349	100%

MERC Food and Beverage Margins

November 2016

	Current Month Actual	Prior Year Month Actual	Current Year to Date	Prior Year to Date Actual	Annual Budget
Convention Center Operating Fund					
Food and Beverage Revenue	1,211,405	960,143	5,326,238	7,203,588	12,000,000
Food & Beverage Services	957,291	815,713	4,181,899	5,007,594	9,762,922
Food and Beverage Gross Margin	254,114	144,429	1,144,338	2,195,994	2,237,078
Food and Beverage Gross Margin %	20.98%	15.04%	21.48%	30.48%	18.64%
Portland'5 Centers for the Arts Fund					
Food and Beverage Revenue	386,206	204,523	1,432,567	1,302,262	3,252,119
Food & Beverage Services	259,146	158,227	1,023,176	966,470	2,520,826
Food and Beverage Gross Margin	127,060	46,296	409,391	335,792	731,293
Food and Beverage Gross Margin %	32.90%	22.64%	28.58%	25.79%	22.49%
Expo Fund					
Food and Beverage Revenue	147,185	184,082	672,289	639,122	1,996,210
Food & Beverage Services	131,216	141,397	592,885	547,342	1,701,681
Food and Beverage Gross Margin	15,969	42,685	79,404	91,780	294,529
Food and Beverage Gross Margin %	10.85%	23.19%	11.81%	14.36%	14.75%
MERC Fund Total					
Food and Beverage Revenue	1,744,796	1,348,748	7,431,093	9,144,972	17,248,329
Food & Beverage Services	1,347,653	1,115,337	5,797,960	6,521,406	13,985,429
Food and Beverage Gross Margin	397,143	233,411	1,633,133	2,623,566	3,262,900
Food and Beverage Gross Margin %	22.76%	17.31%	21.98%	28.69%	18.92%

MERC Statement of Fund Balances and Reserves

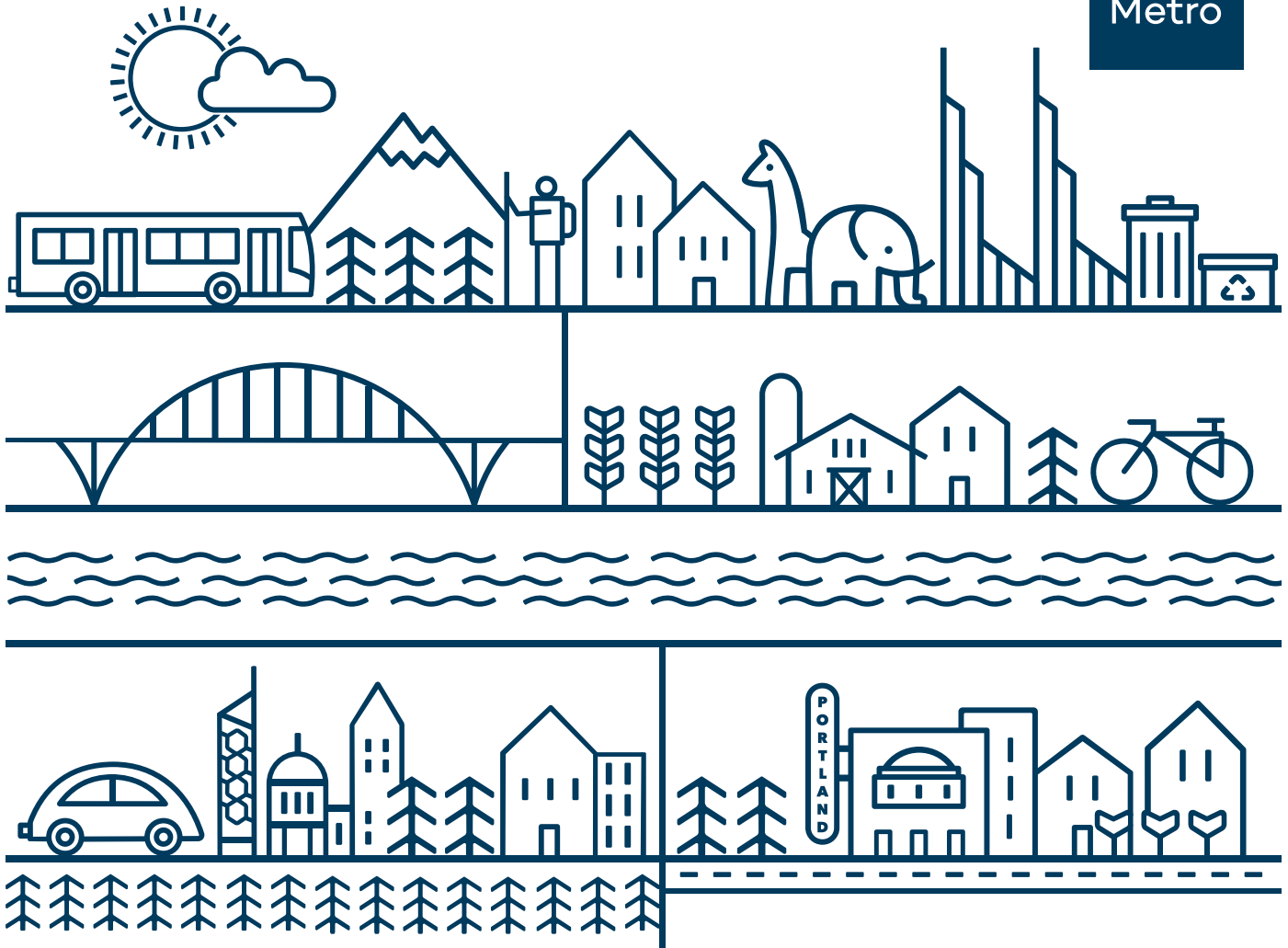
November 2016

	FY 2017 Through November	FY 2016 Through November	FY 2016 Through June	FY 2017 Annual Budget
<u>Oregon Convention Center</u>				
Beginning Fund Balance	21,770,042	18,574,045	18,574,045	18,513,545
Fund Balance Inc (Dec)	1,635,743	3,019,896	3,195,997	(4,020,584)
Ending Fund Balance	23,405,785	21,593,941	21,770,042	14,492,961
<i>Contingency - Operating</i>				1,500,000
<i>Contingency - New Capital-Business Strategy</i>				1,821,308
<i>Contingency - Renewal & Replacement</i>				11,171,653
Ending Fund Balance				14,492,961
<u>Portland'5 Centers for the Arts</u>				
Beginning Fund Balance	13,178,660	10,622,451	10,622,451	11,348,488
Fund Balance Inc (Dec)	(655,848)	(243,629)	2,556,209	(4,533,080)
Ending Fund Balance	12,522,812	10,378,822	13,178,660	6,815,408
<i>Contingency - Operating</i>				600,000
<i>Contingency - New Capital-Business Strategy</i>				2,004,255
<i>Contingency - Renewal & Replacement</i>				4,211,153
Ending Fund Balance				6,815,408
<u>Expo</u>				
Beginning Fund Balance	2,843,104	3,167,865	3,167,865	2,798,742
Fund Balance Inc (Dec)	(1,096,456)	(982,230)	(324,760)	(1,094,852)
Ending Fund Balance	1,746,648	2,185,635	2,843,105	1,703,890
<i>Contingency - Operating</i>				350,000
<i>Contingency - New Capital-Business Strategy</i>				1,353,890
<i>Contingency - Renewal & Replacement</i>				-
Ending Fund Balance				1,703,890
<u>MERC Administration</u>				
Beginning Fund Balance	14,171,403	8,001,482	8,001,481	8,188,922
Fund Balance Inc (Dec)	60,597	(12,908)	6,169,921	(2,794,443)
Ending Fund Balance	14,232,000	7,988,574	14,171,402	5,394,479
<i>Contingency - Operating</i>				65,000
<i>Contingency - Renewal & Replacement</i>				1,576,837
<i>Contingency - TLT Pooled Capital</i>				3,752,642
Ending Fund Balance				5,394,479
<u>MERC Fund</u>				
Beginning Fund Balance	51,963,209	40,365,843	40,365,842	40,849,697
Fund Balance Inc (Dec)	(55,964)	1,781,129	11,597,367	(12,442,959)
Ending Fund Balance	51,907,245	42,146,972	51,963,209	28,406,738

MERC Commission Meeting

January 4, 2017
12:30 pm

8.0 2016 Sustainability Report



Sustainability report

FY 2015-16

October 2016

oregonmetro.gov

If you picnic at Blue Lake or take your kids to the Oregon Zoo, enjoy symphonies at the Schnitz or auto shows at the convention center, put out your trash or drive your car – we’ve already crossed paths.

So, hello. We’re Metro – nice to meet you.

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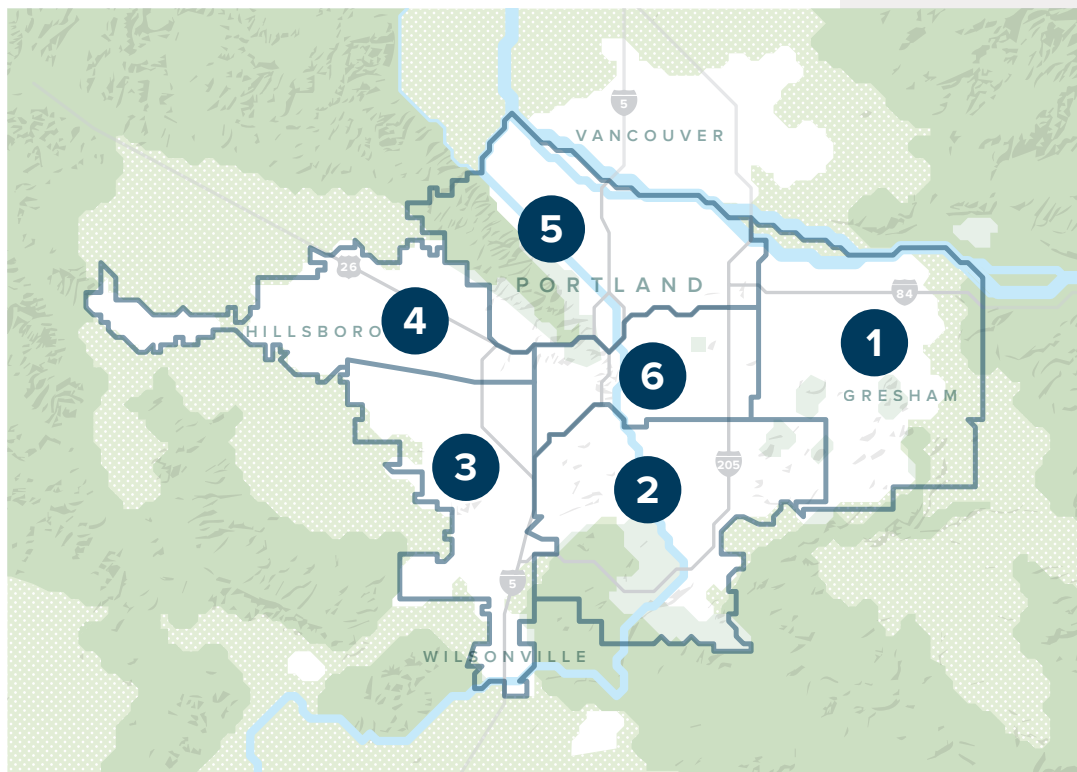


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EXECUTIVE SUMMARY

This report summarizes Metro's progress toward a set of ambitious and aspirational sustainability goals for internal operations. In 2010, Metro Council adopted a *Sustainability Plan* with strategies and actions to achieve these goals, indicators to help track progress and interim targets that serve as mileposts on the quest to reach these goals. The story of Metro's advancement toward these sustainability goals is told by these indicators, and by key accomplishments across the agency last year. Both are included in this report.

The key accomplishments described in the first part of this report highlight the ingenuity and commitment of Metro staff – from working with community partners to donate usable goods, to seeking net zero energy buildings, to employing innovative strategies to reduce the use of pesticides, as well as dozens of other actions small and large over the past year.

Part two of this report describes progress toward the adopted goals measured by key indicators. Overall, Metro is making headway. However, the agency will need to implement much more ambitious initiatives if it is to meet all of the adopted sustainability goals within the target timeframe. A summary of Metro's progress follows:

- **Reduce carbon:** Electricity use has been reduced by 15 percent from baseline, on track to meet the 2020 interim target. Natural gas use is down 33 percent, ahead of schedule in meeting the 2020 target. These reductions indicate progress for these particular emissions sources, which account for almost half of Metro's total emissions. However, the last greenhouse gas inventory of all sources indicated that much progress must be made to meet the 2050 goal. Metro plans to conduct an updated inventory in the next few years, which will provide a more complete picture of Metro's greenhouse gas emissions.
- **Choose nontoxic:** In FY 2015-16, the percentage of products in Metro's inventory with a high hazard determination in one or more category of toxics was 78 percent, up from 74 percent in FY 2014-15 (baseline). The percentage of products deemed the most toxic, the "worst of the worst", remained seven percent – unchanged from the baseline. However, in the last year Metro also significantly reduced the total number of products in its inventory, so while the percentages did not change substantially, the actual number of toxic products decreased. Metro staff expects declines in these percentages over the coming years as these products are phased out and replaced with less toxic alternatives.
- **Conserve water:** Water use is down 23 percent from baseline, a substantial reduction but not quite on track to meet the 2020 interim target of 40 percent reduction. Several facilities have reduced water use by over 50 percent compared to baseline.
- **Prevent waste:** Overall waste generation across Metro is trending in the wrong direction, with the FY 2015-16 amount 37 percent higher than baseline. Metro's recycling rate has increased by six percentage points over baseline to 57 percent, not on pace to reach the 2020 interim target of 90 percent recycling rate.

- **Enhance habitat:** In FY 2015-16, the overall percentage of effective impervious area on Metro's developed properties was 79 percent, far from the 2020 target of 25 percent. Significant improvement in this area is largely dependent on whether Metro can reduce effective impervious area at Portland Expo Center.

Metro spent over \$5 million on utility expenses in FY 2015-16, primarily on electricity and water and sewer services. That represents an enormous opportunity for cost savings through greater efficiency, especially for upfront investments with short payback timeframes and lower total cost of ownership. Metro's partnership with Energy Trust of Oregon facilitates these investments – last year Metro received \$165,000 in incentives for energy efficiency and renewable energy projects and training.

Metro's sustainable procurement program also supports the triple bottom line of sustainability – environment, economy and equity. In FY 2015-16, Metro spent nearly \$6.4 million on sustainable goods and services, representing roughly 12 percent of Metro's overall spending in these categories.

Metro has built a strong foundation for reaching its ambitious sustainability goals through collecting and refining data, developing programs, policies and tools and creating a supportive culture. Most of the strategies and actions identified in the *Sustainability Plan* have been completed or are in progress. Getting to the next level of performance will require investing additional resources and continuing to spur innovation by marshalling the creativity and commitment of staff and partners.

INTRODUCTION






As a regional government committed to promoting sustainable communities, Metro also strives to make its own operations sustainable. This report describes efforts in fiscal year 2015-16 to improve the environmental profile of Metro's public venues, parks, buildings and solid waste facilities.

In 2003, the Metro Council set an ambitious target for internal operations to be sustainable within one generation. To this end, the Council adopted goals in five key categories to improve the agency's environmental performance, listed below. Metro established a baseline for these goal areas in 2008 when it established a coordinated sustainability program.

In recognition of the triple bottom line of sustainability, Metro is working to integrate equity into its *Sustainability Plan*, consistent with Metro's *Strategic Plan to Advance Racial Equity, Diversity and Inclusion* and *Diversity Action Plan*.

Metro Value of Sustainability

We are leaders in demonstrating resource use and protection in a manner that enables people to meet current needs without compromising the needs of future generations, and while balancing the needs of the economy, environment, and society.

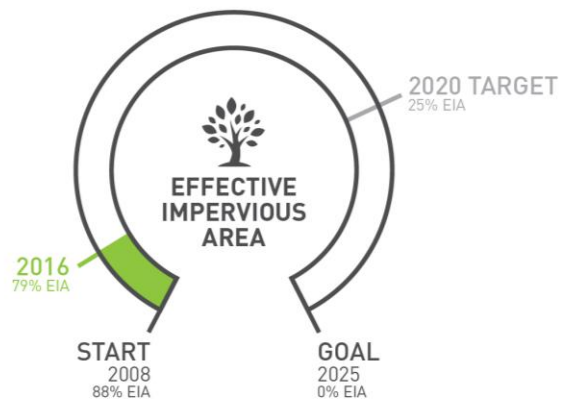
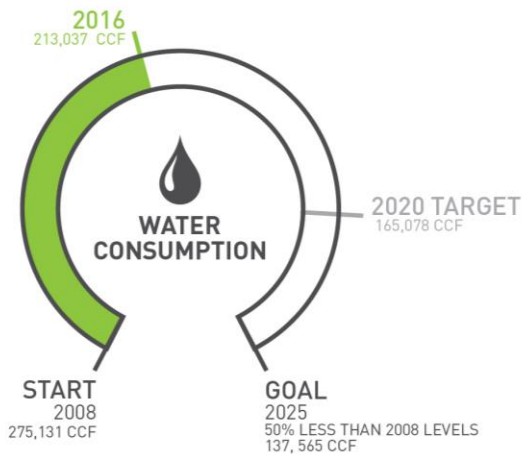
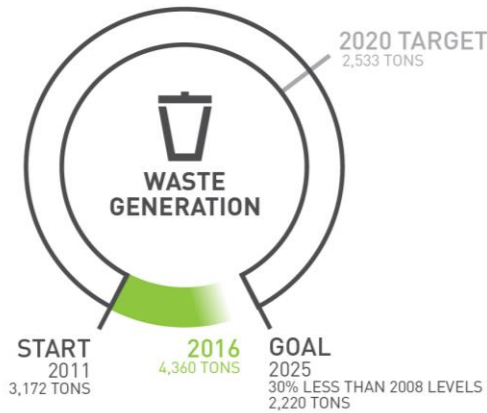
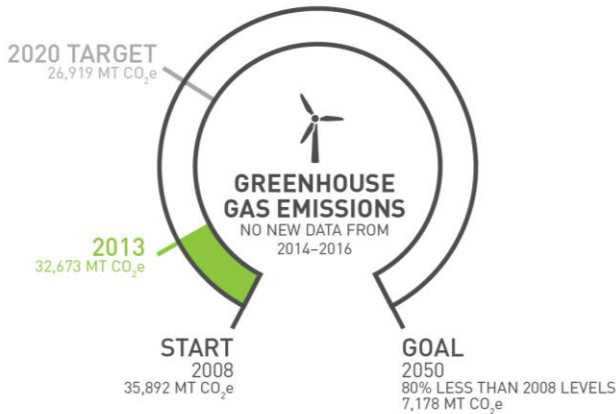
	Reduce carbon	Reduce direct and indirect greenhouse gas emissions to 80 percent below 2008 levels.
	Choose nontoxic	Eliminate the use or emissions of persistent bioaccumulative toxics (PBTs) and other priority toxic and hazardous substances.
	Prevent waste	Reduce overall generation of waste, and recycle or compost all remaining waste.
	Conserve water	Reduce water use to 50 percent below 2008 levels.
	Enhance habitat	Ensure that Metro's parks, trails, natural areas and developed properties positively contribute to healthy, functioning ecosystems and watershed health.

Metro's *Sustainability Plan*, adopted by Metro Council in 2010, identifies strategies and nearly 100 actions to accomplish the above goals. The goals are to be achieved by 2025 or, in the case of greenhouse gas emissions, 2050. The plan and past years' progress reports are available online at www.oregonmetro.gov/greenmetro.

In addition to Metro's goals for internal operations, Metro works with communities, businesses and residents in the Portland metropolitan area to achieve sustainable outcomes regionally and chart a thoughtful course for the future.

Learn more at oregonmetro.gov.

SUSTAINABILITY SCORECARD



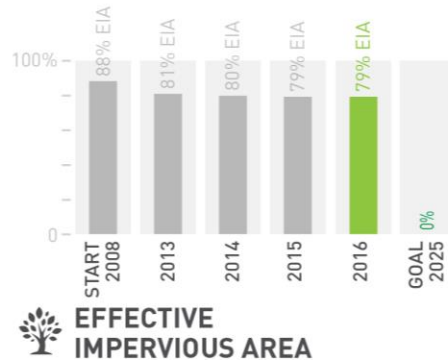
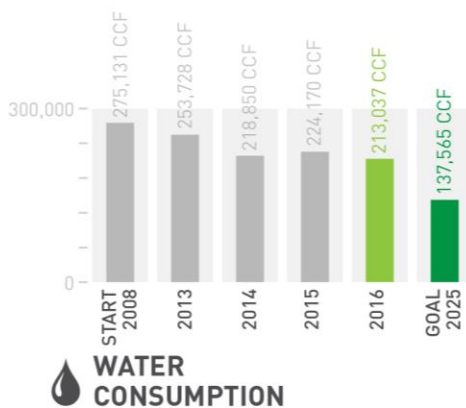
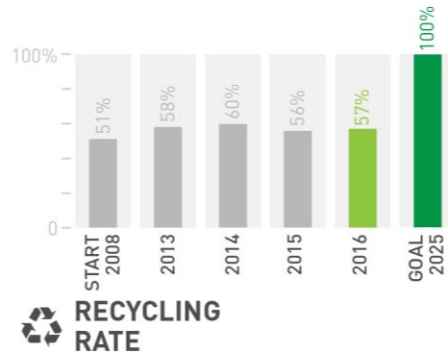
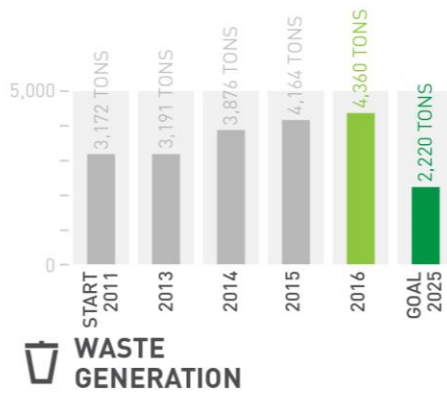
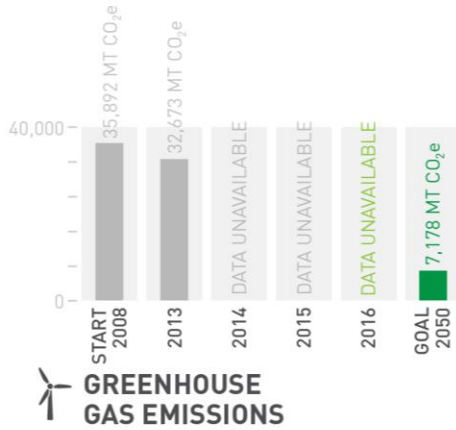
greenMetro

www.oregonmetro.gov/greenmetro

MT CO₂e: Metric tons carbon dioxide equivalent
CCF: Hundred cubic feet, equivalent to 748 gallons
EIA: Effective impervious area

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SUSTAINABILITY SCORECARD



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PART 1:

KEY

ACCOMPLISHMENTS

Oregon Convention Center increased donations of usable materials from events by 425 percent

As a result of its commitment to preventing waste, the Oregon Convention Center saw a sizable jump in the amount of usable materials donated to local community groups in the last year, advancing progress toward Metro’s waste reduction goal.

The amount of materials – including building supplies like carpet and bricks – brought in for shows and exhibits at the convention center can be substantial. Often, the cost for exhibitors to ship these materials back to their headquarters after the show is prohibitive. Rather than send these materials to the landfill, Oregon Convention Center staff work with show managers, decorators, exhibitors and local nonprofit organizations to put these materials to good use.

This effort has paid off – both in a 425 percent increase in materials donated last year (from four tons to 21 tons), and in reduced disposal costs for clients.



The ReStore collects donations at the Oregon Convention Center

As an example, a large bookstore was one of the exhibits at the United Methodist Church’s General Conference held at the Convention Center in May 2016. Shipping the heavy exhibit materials, including 50 bookshelves, tables, clothing racks and other items, back to Nashville would have been costly.

Oregon Convention Center’s Sustainability Coordinator Rick Hodges was able to ensure a new life for these items by connecting with local community groups, enabling the donation of over 7,000 pounds of materials.

“All these shelving and other units were in excellent, like-new condition,” said Rick, “and I’m thrilled that they will continue to be put to purposeful use. Habitat for Humanity’s ReStore took as much as they could, and then we reached out to staff for suggestions. One of the members of our security team connected us with the Oregon Rail Heritage Foundation, which took the remainder.”

These kinds of success stories are made possible by the Oregon Convention Center’s partnerships with clients and community groups, and by its comprehensive approach to reducing waste. In January 2016, the Convention Center implemented an innovative Waste Diversion Policy that prohibits certain materials at events and requires a refundable waste diversion deposit from clients to incentivize recycling, composting and donation. The Convention Center supports clients’ success in preventing waste by educating and coordinating with show organizers ahead of time.

Learn more about sustainability at Oregon Convention Center, including videos highlighting sustainability accomplishments and waste reduction efforts, at www.oregoncc.org/about/sustainability.



Design for new Zoo Education Center targets net zero energy

The Oregon Zoo Education Center, slated to open in spring 2017, is designed for sustainability in both form and function. Focused on educating the public on how individual actions can make a difference in planetary health, the Education Center will house staff offices, six classrooms, an environmental science classroom lab, and outdoor nature learning and play spaces. The Education Center aims to expand the capacity of conservation education across the Portland metro region through partnerships with U.S. Fish and Wildlife Service, Intertwine Alliance and other organizations. Master Gardeners and Zoo teen volunteers will demonstrate sustainable landscape strategies at the new Backyard Habitat, and a large multi-purpose meeting room will serve Zoo partners engaged in environmental education.

In addition to aiming for Leadership in Energy and Environmental Design (LEED) Gold certification, a third party verification for green buildings, the Education Center is designed for net zero energy with an extensive roof top solar array. Net zero energy buildings consume only as much energy as they produce from renewable resources, a key strategy to help Metro reduce its climate footprint.

Other sustainable features that will help Metro achieve its climate, waste, water and habitat goals include:



Historic mural from the former Zoo entrance repurposed at the new Education Center

- rainwater collected from the roof that will be used to flush toilets
- rain gardens that will clean stormwater before it is released into the city's storm system
- bird-friendly lights and fritted glass that will help prevent window strikes
- high efficiency lighting and heating and cooling systems.

Elephant Lands project earned LEED Gold certification

In July, Oregon Zoo staff learned that the Elephant Lands project had earned LEED Gold certification from the U.S. Green Building Council.



"A LEED Gold certification not only highlights the Zoo's commitment to sustainability, but also its responsibility to the community," said Heidi Rahn, who oversees projects funded by the 2008 Zoo bond measure promoting animal welfare and sustainability. "If we want a better future for wildlife, it's vital that we conserve natural resources and make sure our day-to-day operations and construction practices are environmentally sound."

Some of the sustainable features of Elephant Lands include:

- **Pool filtration** A state-of-the-art filtration and water-treatment system cleans and replenishes the new 160,000-gallon elephant pool every hour. The previous pool had to be dumped and refilled often, using millions of gallons of water each year.
- **Improved stormwater management** Rainwater collected from Forest Hall's roof is stored in a 5,000-gallon underground cistern and used at Forest Hall for flushing toilets and wash down.

- **Geothermal system** An innovative heat-sharing system will deliver hot air created as a byproduct of cooling the new polar bear exhibit through rows of coiled pipes to the indoor area of Elephant Lands, where it will be used to keep the elephants warm.

- **Solar photovoltaic panels on Forest Hall roof** This array is expected to generate around 34,000 kilowatt-hours a year of electricity.



Bird's eye view of some the sustainable features at Elephant Lands

- **Solar hot water** This system preheats water for elephant bathing and other uses, storing it in a 1,500-gallon tank in the building's mechanical room and reducing the amount of natural gas required to heat the water.
- **Natural ventilation** Large louvers on the walls and roof of the indoor facility open automatically based on outdoor temperatures, allowing natural ventilation. About 75 percent of the building's fan power is eliminated during natural ventilation mode.

Zoo making energy use more visible and actionable



One strategy the Oregon Zoo is employing to reduce energy use in existing buildings across its campus is to install electrical submeters in exhibits. Submeters monitor energy consumption of parts of a building or individual equipment, increasing visibility into how and when energy is being used and providing crucial information about energy- and cost-saving opportunities.

Submeters allow the monitoring of energy use in real-time, sending the data to building energy management software that allows operations staff to identify equipment that is not operating as it should. This more timely feedback allows problems to be identified that may have otherwise gone unnoticed for a month or more when the utility bill comes, facilitating relatively easy and cost-effective reductions in energy use.



New electrical submeter will monitor energy savings from energy efficiency upgrades at Steller Cove

Submetering also provides greater visibility into energy use by allowing operations staff to measure the energy benefits from equipment upgrades or changes in building operations.

For example, in anticipation of planned efficiency upgrades to the chiller and cooling tower at the Steller Cove Marine Exhibit at the Zoo, staff took the opportunity to also add a submeter, which will allow measurement of energy and cost savings from the equipment upgrade. New electrical service installed at the Hay Barn has also included submetering for the Swamp, Bats, Swamp Monkey, Sankuru Trader and AfriCafé buildings.

With these projects, the Zoo is making progress toward having the entire campus submetered and taking more control of its energy use.

Other sustainability upgrades at the Zoo in FY 2015-16 included:

- installation of LED lighting to replace incandescent, metal halide and compact fluorescent lighting as upgrades were needed
- reduced number of fleet vehicles and purchase of electric vehicles for use on campus
- a switch from bottled wine and beer to kegs, eliminating over 5,000 bottles annually and reducing noise impacts to animals from glass recycling pick-ups in the middle of the night.

BLUE LAKE REGIONAL PARK

New facilities at Blue Lake Regional Park demonstrate triple bottom line of sustainability



Four new restroom buildings and a new wetland trail and viewing platform at Blue Lake Regional Park demonstrate the three-legged stool of sustainability – environment, equity and economy.

The restrooms were prefabricated and constructed offsite, saving money by decreasing the cost of on-site construction. Choosing prefabricated design also helped eliminate waste on the front-end of the project – simultaneous production of several projects in a factory allows materials to be re-allocated from one project to another. The controlled conditions in a factory also prevent weather-related damage to materials, which can enhance the quality and durability of a building. In an indoor environment, the manufacturer also has more control over the quality of the construction process (e.g., application of grout, caulk, paint, etc.), which in turn enhances the ability of the buildings to resist wear and tear and reduces future repair needs.



Prefabricated restrooms being craned in at Blue Lake Regional Park

Other sustainable features include natural ventilation that saves energy by minimizing the need for heating and cooling systems. Materials and fixtures were selected for their durability and ability to withstand vandalism, reducing the need for frequent replacement. Raingardens treat a portion of the stormwater from the buildings before it infiltrates into the groundwater. Exterior LED lights with timers turn on only when needed.

Equity was another driver in the restroom design. All 32 of the restrooms are gender-neutral and eight are wheelchair accessible. All four of the architects and engineering firms involved in the project are certified as minority-owned, women-owned or emerging small businesses.

The restored, wheelchair-accessible wetland trail and viewing platforms at Blue Lake Regional Park demonstrate how material selection enhances sustainability. The previous asphalt trail was replaced with compacted gravel, which allows rain to infiltrate back into the soil. The aging wooden viewing platform was replaced with fiberglass decking and steel, with an expected lifespan of thirty to fifty years. To reduce toxins from entering the wetlands, the platforms incorporated weathering steel instead of galvanized steel.

GLENDOVEER GOLF COURSE



Glendoveer Golf Course using solar power to improve water quality



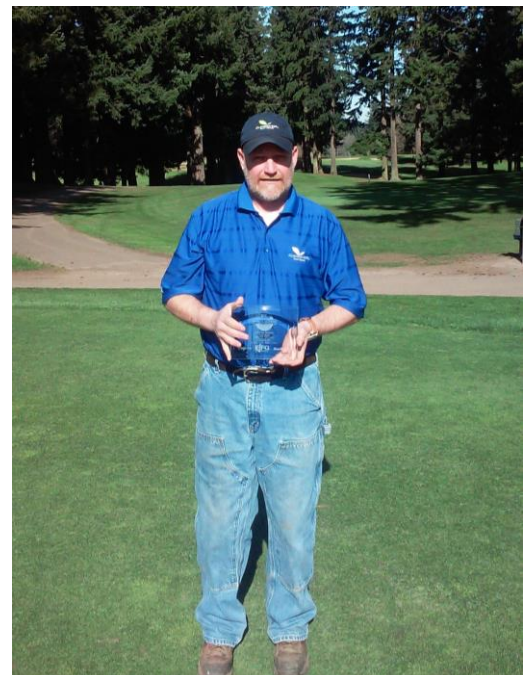
A red-tailed hawk perched on a solar-powered pond aerator at Glendoveer Golf Course

At Glendoveer Golf Course, efforts to reduce toxins and enhance water quality got a boost with the installation of solar-powered aerators in three golf course ponds. Golf course operator CourseCo had previously switched to a nontoxic product to control algae in the ponds. While this change enhanced water quality by reducing toxins, some algae and weeds remained, requiring manual removal in the summer months. Experts recommended aeration of the ponds to increase circulation and oxygen in the water, which would reduce the buildup of organic material and create a healthier pond ecosystem.

CourseCo recognized this as a perfect opportunity for renewable energy. Choosing a solar-powered aeration system means no electricity from the grid is needed to operate the aerators, avoiding greenhouse gas emissions. Less algae and weed growth also means reduced labor and maintenance costs associated with manual cleaning of the ponds.

In other hallmarks of Glendoveer's commitment to sustainability, Glendoveer received gold certification from the City of Portland's Sustainability At Work Program.

In addition, in recognition of his efforts to implement sustainable practices, golf course superintendent Gary Heath was honored as a 2015 Environmental Leader in Golf by the Golf Course Superintendents Association of America and Golf Digest.



Golf course superintendent Gary Heath holding his Environmental Leader in Golf award

METRO REGIONAL CENTER



Metro Regional Center installed energy-saving upgrades

This past year, the Metro Regional Center implemented several energy efficiency projects to reduce energy use and costs. Operations staff for the Metro Regional Center have been steadily upgrading the building's systems, bolstered by participation in Energy Trust of Oregon's Strategic Energy Management Program since 2014.

One of the energy- and cost-saving measures recommended by Energy Trust had to do with the system for heating and cooling the Council Chambers. The system was running from morning until nighttime, despite the fact that the Chambers are not occupied about a quarter of that time. Last year, staff acted on a recommendation from Energy Trust to install occupancy sensors that allow the system to turn off when the room is unoccupied and restart when occupied. This improvement is expected to save 48,000 kilowatt-hours per year in energy savings (equivalent to powering four homes) and approximately \$5,200 per year in costs.

When a need arose last year to replace several non-functioning exterior lights at the Metro Regional Center and adjacent Irving Street parking garage to enhance safety, operations staff took the opportunity to install much more efficient options. Staff replaced several metal halide fixtures with LEDs, including seven pole-mounted lamps on the fourth floor of the garage (295-watt bulbs changed to 54-watt bulbs), four lamps in the MetroKids daycare parking lot (170-watt bulbs changed to 75-watts) and 16 exterior wall lights (from 170 watt-bulbs to 50-watt bulbs). These lighting upgrades are expected to reduce energy consumption from these fixtures by 72 percent.



One of the several new LED light fixtures at Metro Regional Center

AGENCY-WIDE INITIATIVES



Integrated Pest Management strategies deployed across Metro

In its second year, Metro's Integrated Pest Management (IPM) program implemented innovative strategies to advance progress towards the toxics reduction goal in the Sustainability Plan. Metro's IPM coordinator provided extensive technical assistance to venues and programs across Metro, helping to solve pest problems with the least risk to people, the environment and Metro's bottom line. Some of these strategies included:

- using snap traps instead of rodenticide
- employing a trail camera to better understand pest problems. At Metro Regional Center, images revealed that a cat had been helping Metro control rodents, illustrating another reason to avoid use of rodenticide when non-target species are feeding on pests
- installing door sweeps, patching holes and other methods to prevent pests from entering buildings
- deploying a professional beekeeper to investigate a bee hive at the Arlene Schnitzer Concert Hall, resulting in a determination that the hive did not pose a hazard to employees and visitors and could be left in place, with a plan to exclude access only after the bees leave the hive
- using a shop vacuum to control cockroaches instead of pesticides
- inspecting buildings regularly to identify conditions conducive to increased pest problems, such as clogged gutters that increase the risk of ants and tree branches touching buildings that allow easy access for rats
- installing fly lights and zappers for non-chemical control of flying insects such as box elder bugs and flies.



To standardize these kinds of Integrated Pest Management practices that prevent pest problems without pesticides, staff created a new agency-wide pest management contract and engaged new contractors at the Zoo, Expo Center, Metro Regional Center and Portland's Centers for the Arts.

[Pest inspection and monitoring at the Zoo](#)

Alternatives identified for the most toxic products in Metro’s inventory



In support of the goal to eliminate the use of priority toxic and hazardous substances, last year Metro focused on identifying effective alternatives to the most toxic products in Metro’s inventory, dubbed the “worst of the worst”.

This effort built on previous work to first identify chemicals currently used in Metro operations, and then to determine the toxicity of these chemicals. To establish a baseline, Metro created an online inventory of all chemical products in use at Metro facilities, which is updated every two to three years. In 2014, Metro created a web-based Toxic Assessment Tool that uses information from product safety sheets to rate the toxicity of products used in Metro operations by cross referencing ingredients against a variety of regulatory chemical lists. The Toxic Assessment Tool rates hazards of ingredients in the following categories: environmental toxicity, human health, physical hazard (e.g., flammability), persistence in the environment, bioaccumulative potential and inherently toxic. If a product has a high hazard determination in all of these categories, the product is flagged as the “worst of the worst”.

Next steps include phasing out these existing products, developing a list of “do not buy” ingredients and creating resources and trainings for staff on how to identify and purchase least-toxic products. Purchasing guides are one such resource under development to help users make decisions that are consistent with Metro’s toxics reduction goal. Intended to help staff choose less toxic alternatives to the products they are used to buying, these simple guides list certifications to look for, as well as substitutes for “worst of the worst” products.

Excerpt from a purchasing guide for choosing less toxic products



Product	Purpose	Alternate Product	Benefits
Spray Satin Clear Polyurethane	Indoor polyurethane finish	Old Masters® Water-based polyurethane - Satin	Non-aerosol, no ethylbenzene, no xylene, no toluene. MPI GSP-1 certification.
Traffic Line Finish (Red) Hard Hat Striping Paints	Traffic paint Outdoor marking	Pro Park Waterborne Traffic Marking Paint (colors available)	Non-aerosol, water-based, SCAQMD VOC certified (<50 g/l), no toluene, no solvents. MPI-GSP2 certified
IC LSPR Black Striping	Outdoor/indoor marking		
ICWB LSPR Hi Visabl Yellow Mark	Marking paint		
AUTORF + SSSPR Rust Reformer	Converts rust to non-rust surface	Rust Oleum 3575 System Rust-Reformer	Water-based spray product (liquid coating), no solvents, VOCs <50 g/l
391 Gray Primer PTOUCH 2X +SSPR White Primer	Primer	Sherwin Williams Multi-Purpose Latex Primer/ Sealer	Non-aerosol. SCAQMD VOC certified, MPI GSP-2 certified, no xylene and ethylbenzene.
Cat Yellow Paint Aerosol HG	Paint	Valspar T&I EN Equipment Yellow	Liquid equivalent product, no toluene

Metro creates tools to make it easier to choose sustainable products and services



In 2010, Metro Council adopted the Sustainable Procurement Program to ensure that its procurement activities support Metro’s overall sustainability goals. The program established administrative rules that apply to the goods and services that Metro buys. However, understanding and applying the rules can be challenging.

To help, procurement staff developed specification sheets targeted at the categories of goods and services most frequently purchased at Metro. These guides cover personal services, landscaping, appliances and small equipment, third party certifications and toxics to avoid by product category. These tools provide a brief overview of the typical impacts of the product or service, the benefits of choosing more sustainable options, and cut-and-paste specifications and evaluation criteria that can be inserted into a solicitation document.

For example, the “toxics to avoid” specification sheet makes reducing toxic chemicals in Metro’s purchases much more accessible for staff. While guidance on toxics exists, few resources are framed from the buyer’s perspective (e.g., buying adhesives without phthalates). Many resources provide banned chemical lists, but do not provide clarity on what to look for or how to ensure that those specifications are met in the proposed goods. Metro’s new specification sheet lists common toxics present in typical categories of products, such as textiles, paints, adhesives, and cleaning products, and provides example specifications that will ensure the products are free of the targeted toxic.

Excerpt from “toxics to avoid by product category” specification sheet

PROCUREMENT SERVICES CONTRACTS AND PURCHASING		SUSTAINABLE PROCUREMENT SPECS: GENERAL GOODS – TOXICS TO AVOID	
The following list includes common toxics arranged by the product categories in which they appear. The Specifications column provides purchasing requirements that you can use to eliminate (or minimize in some cases) the use of these chemicals in the manufacture of the products you purchase. This list is not exhaustive and only contains common toxics and limited example specifications. This guidance should be considered generalized, and may not apply to every purchase. Before including one of the example specifications listed here, perform market research on your purchase to ensure that multiple product/supplier options exist that meet the specification.			
Product Categories	Toxic Chemicals	Example Specifications	
Adhesives / glues	• Phthalates	• Non-phthalate • water based	
	• Volatile Organic Compounds (VOCs)	• Meet CDPH Standard Method v1.1	
Child and Baby Products	• Halogenated flame retardants	• No-flame retardant chemicals (<i>see Center for Environmental Health guide</i>)	
	• Phthalates	• Fragrance free, non-phthalate	
	• Polyvinylidene chloride	• Non-vinyl/PVC	
Cleaning Products / Detergents	• Phthalates	• Green Seal GS-37 certified • Fragrance free	
	• Alkylphenols • Heavy Metals • 2-butoxyethanol • Asthmagens	• Green Seal GS-37 certified	
Metal Alloys	• Lead	• Lead-free	
Paints / dyes / liquid coverings	• Cadmium, other heavy metals • Chlorobenzenes	• Green Seal GS-11 (paints/coatings)	
	• Alkylphenols • Phthalates		

MEET THE TEAMS



Sustainability Steering Committee: Benjamin Rowe, Nancy Strenig, Matthew Uchtman, Lydia Neill, Rick Hodges, Debbie Humphrey, Ed Williams, Nicole Lewis. Not pictured: Jenna Garmon, Tracy Sagal, Chuck Dills, Rick Hanes



Metro Regional Center Green Team (front to back): Paulette Copperstone, Danielle Johnson, Sabrina Gogol, Patrick Morgan, Robyn Brooks, Jodi Wacenske. Not pictured: Thomas Thornton



Combined Property and Environmental Services/Parks and Nature Green Team: Andrew Judkins, Therese Mitchell, Chelsea Althausen, Greg Chavira, Shellie Moran, Jim Quinn, Eric Crandall



Portland's Centers for the Arts Green Team: Robyn Williams, Stephanie Viegas Dias, Rich Wehring, William Stitt, Jeannie Baker, Dave Woodman, Courtney Dykstra, Jeanne Uding, Andrea Gratreak

Metro Green Teams implemented several sustainability projects in FY 2015-16, including:

- Metro Regional Center's Green Team partnered with operations staff to implement an energy campaign, focused on reducing energy use from plug loads.
- To reduce pollutants and greenhouse gas emissions from Metro vehicles, the Property and Environmental Services/Parks and Nature Green Team created materials to launch a No Idling Campaign next fiscal year.
- The Portland's Green Team installed a water bottle filling station to encourage employees to choose reusable water bottles over disposable cups.

PROJECT HIGHLIGHTS



From top left: Metro Regional Center and Energy Trust host LED Lighting Fair; IPM Coordinator Rob Hamrick with a pest contractor; Sustainability Steering Committee tours of Blue Lake Regional Park wetland viewing platform, Oregon Convention Center solar array and Expo Center green stormwater wall; Table 6 Café at the Metro Regional Center receives Sustainability At Work Gold certification

PART 2:

PROGRESS TOWARD

SUSTAINABILITY GOALS

GOAL 1: REDUCE GREENHOUSE GAS EMISSIONS

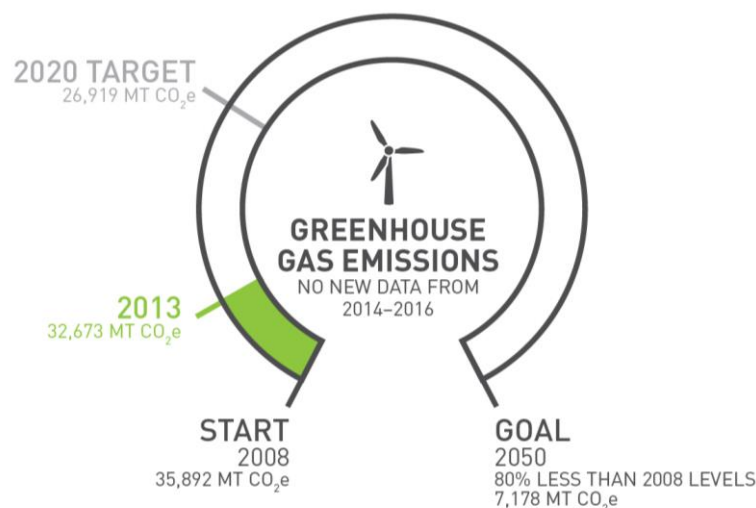


Goal	Reduce greenhouse gas emissions 80 percent below 2008 levels by 2050.
Indicators	Greenhouse gas emissions for Scopes I, II and III, reported in metric tons of carbon dioxide equivalent (MT CO ₂ e). Electricity consumption from Metro facilities reported in kilowatt-hours consumed (kWh).
2020 target	25 percent reduction in greenhouse gas emissions (excluding supply chain) from 2008 levels.

Metro completed a comprehensive greenhouse gas emissions inventory for internal operations in 2008 and repeated this inventory for FY 2012-13. Due to the complexity of the analysis, Metro does not conduct a greenhouse gas emissions inventory annually. The latest inventory report is available at www.oregonmetro.gov/greenmetro and summarized in the appendix of this report.

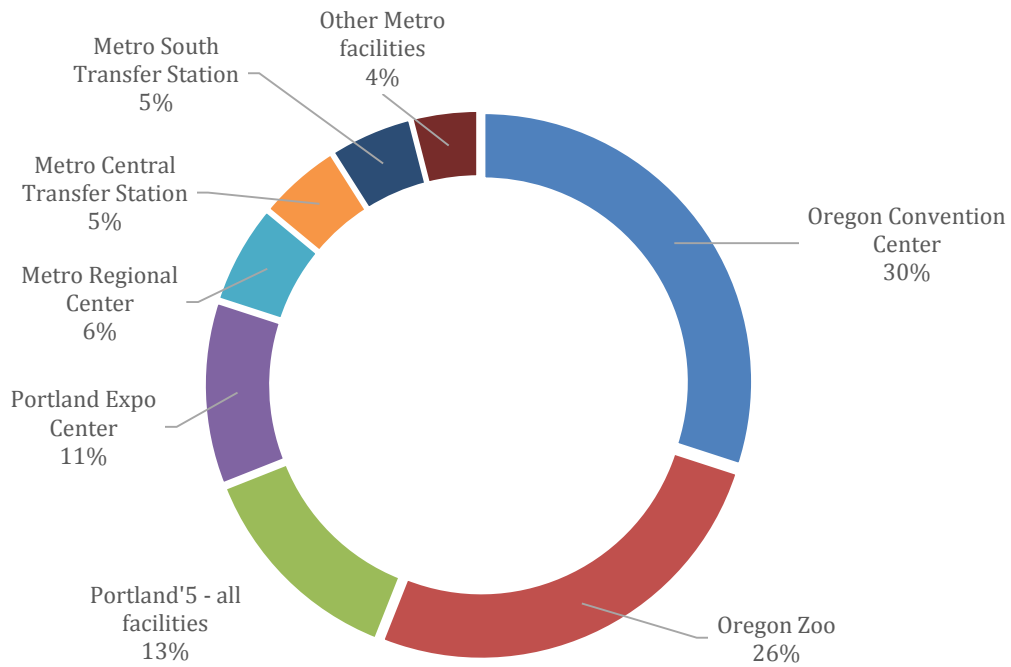
In lieu of a complete greenhouse gas inventory, Metro compiles electricity and natural gas consumption data for the purposes of this annual report. These two sources comprise 46 percent of Metro's non-supply chain emissions, according to the FY 2012-13 greenhouse gas inventory.

In FY 2015-16, Metro facilities consumed 27.2 million kWh of electricity, a 15 percent decrease from the 2008 baseline and on track to meet the 2020 target for electricity (24.1 million kWh). This total equates the amount of energy needed to power 2,438 Oregon homes for a year. Metro facilities used 534,499 therms of natural gas in FY 2015-16, a 33 percent decrease from the FY 2010-11 baseline¹ and below the 2020 target of 597,766 therms. While these reductions indicate progress toward the goal for these emissions sources, they do not represent the entirety of Metro's greenhouse gas emissions. The last greenhouse gas inventory indicated that much progress must be made to meet the 2050 goal. Metro plans to complete an updated inventory in the next few years, which will provide a more complete picture.

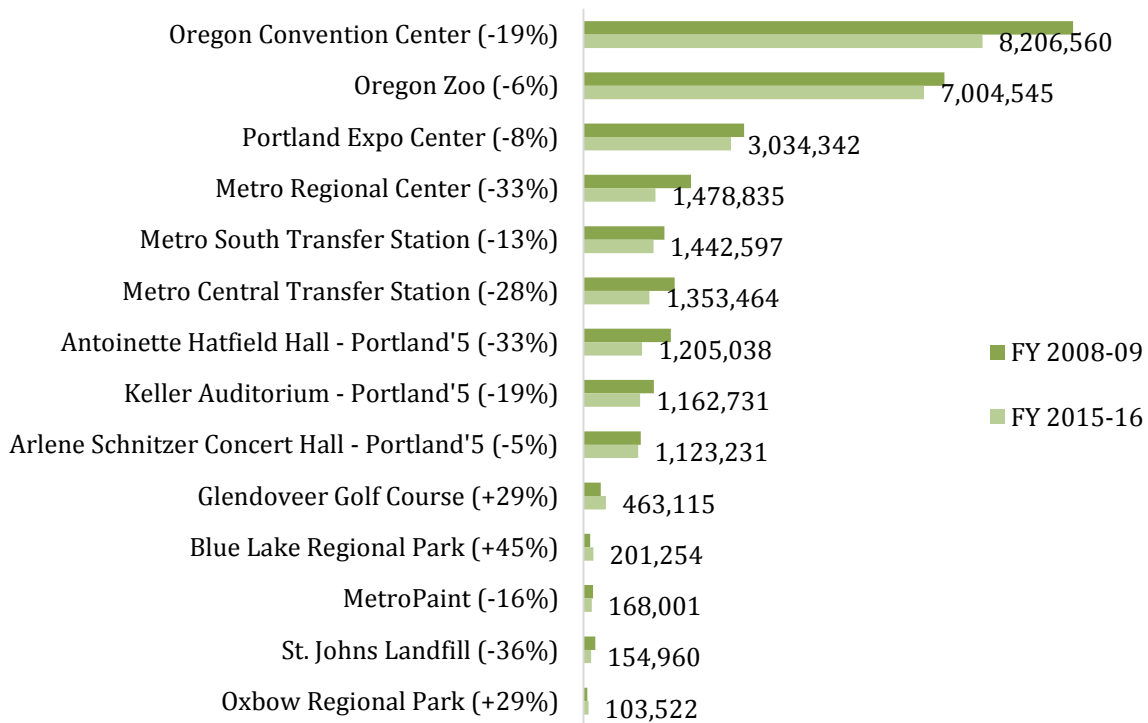


¹ The baseline years for reporting Metro-wide usage of electricity and natural gas differ. FY 2010-11 is used for natural gas since that is the year with the most complete set of gas usage data for Metro facilities.

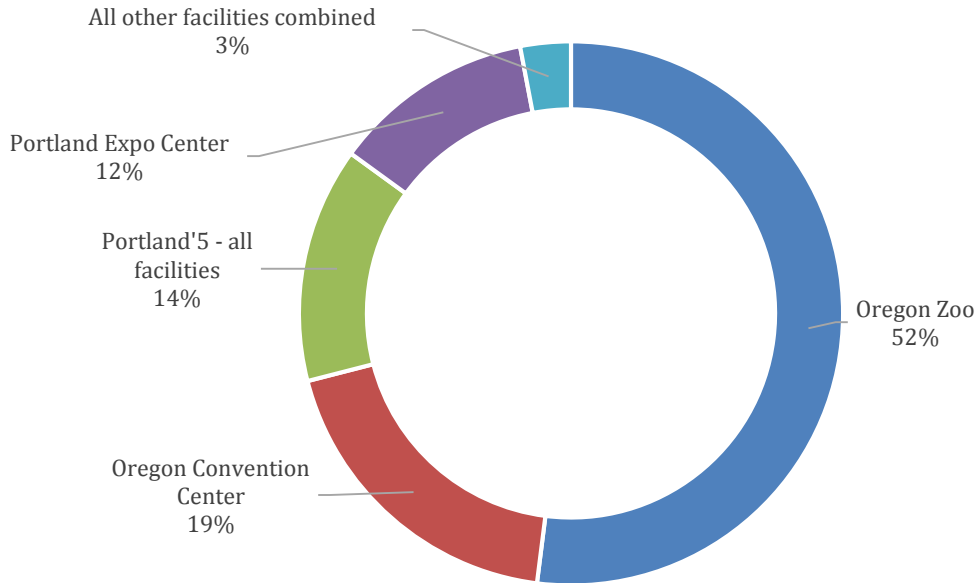
FY 2015-16 electricity usage at Metro facilities as a percentage of agency total



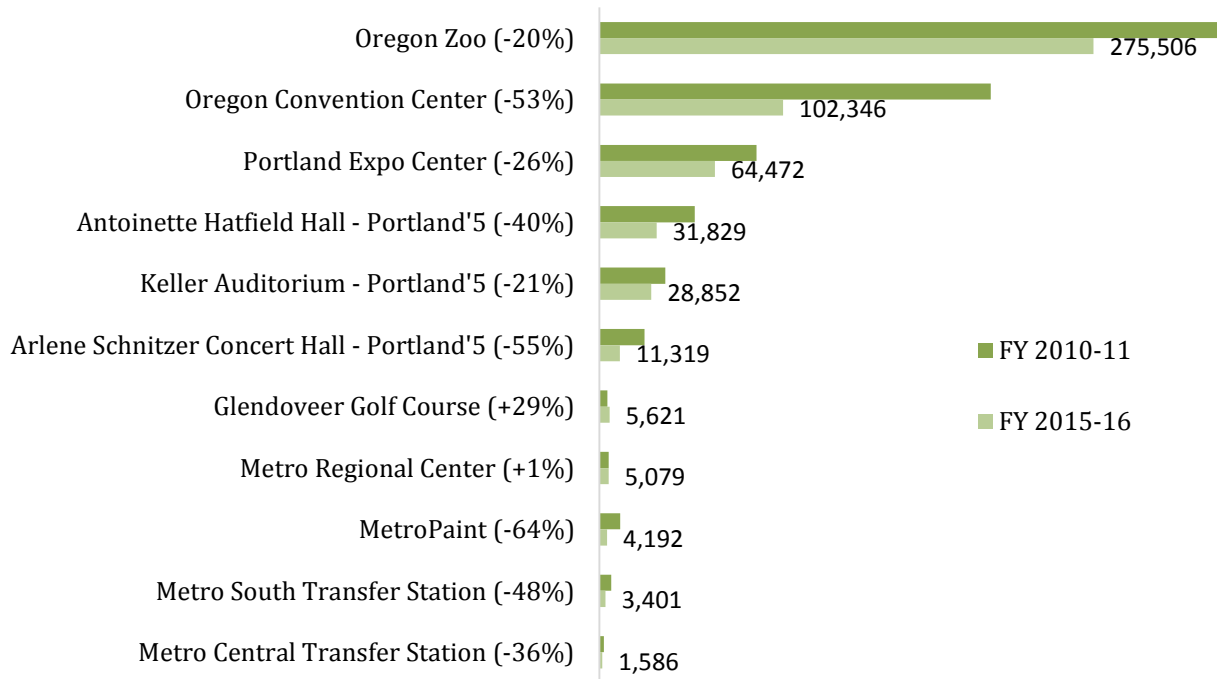
FY 2015-16 electricity usage in kWh (% change compared to baseline)



FY 2015-16 natural gas usage at Metro facilities as a percentage of agency total



FY 2015-16 natural gas usage in therms (% change compared to baseline)



GOAL 2: CHOOSE NONTOXIC



- Goal** Eliminate the use or emissions of persistent bioaccumulative toxics (PBTs) and other priority toxic and hazardous substances by 2025.
- Indicator** Percentage of chemical products used at Metro facilities that have ingredients rated as high hazard in any one or more of the following categories: human health, environmental toxicity, physical hazard, persistent, bioaccumulative or inherently toxic.

Metro uses chemical information from product safety data sheets² to track the toxicity of products used in internal operations. In 2014, Metro developed a Toxics Assessment Tool in partnership with KHA-Online SDS, the host for Metro’s web-based safety data sheet database. The Toxics Assessment Tool uses a variety of regulatory chemical lists cross-referenced with the information contained in safety data sheets to make toxic hazard determinations.

During FY 2014-15, Metro made some important changes to the Toxic Assessment Tool to be more robust and better reflect the intent of the Metro Council’s adopted toxic reductions goal. In addition to flagging products rated high hazard for environment, health or physical hazard (the original methodology), the tool was improved to also identify products rated high hazard in the persistent, bioaccumulative or inherently toxic categories. These changes reset the baseline to FY 2014-15.

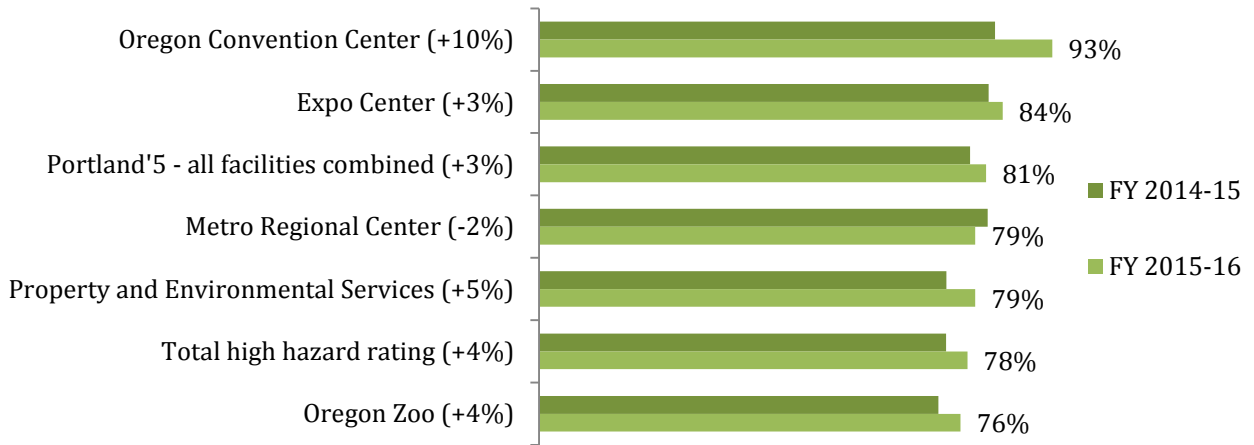
In addition, products which receive a high hazard rating in all six of the hazard categories are identified as the most hazardous, deemed “worst of the worst”. Metro is focusing its toxics reduction efforts on these most hazardous products, seeking safer alternatives where available.

At the time this report was written, there were a total of 1,554 unique safety data sheets in Metro’s database, representing chemical products in use at Metro facilities. In FY 2015-16, the percentage of products in Metro’s inventory with a high hazard in one or more category was 78 percent (compared to 74 percent in FY 2014-15), while the percentage of products deemed “worst of the worst” remained seven percent – unchanged from the baseline. However, Metro also reduced the total number of products in its inventory, so while the percentages did not change substantially, the actual number of toxic products decreased.



² Safety data sheets describe the hazards of working with a chemical and procedures to ensure safety.

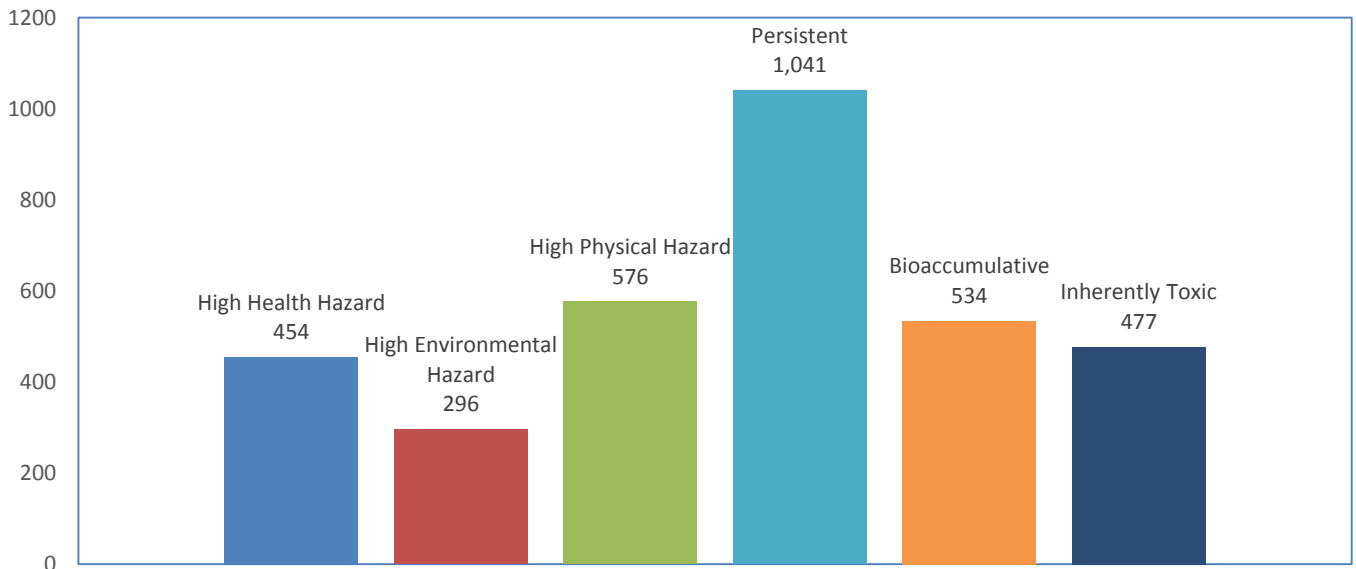
FY 2015-16 percentage of products with a high hazard rating in one or more category



FY 2015-16 number and percentage of products rated high hazard in Metro’s inventory

	Total products in inventory	Products with high hazard rating in one or more categories	Products with high hazard rating in all categories
FY 2014-15	2,402	1,772 (74%)	160 (7%)
FY 2015-16	1,554	1,206 (78%)	107 (7%)

FY 2015-16 number of products with high hazard in each category



GOAL 3: REDUCE WASTE

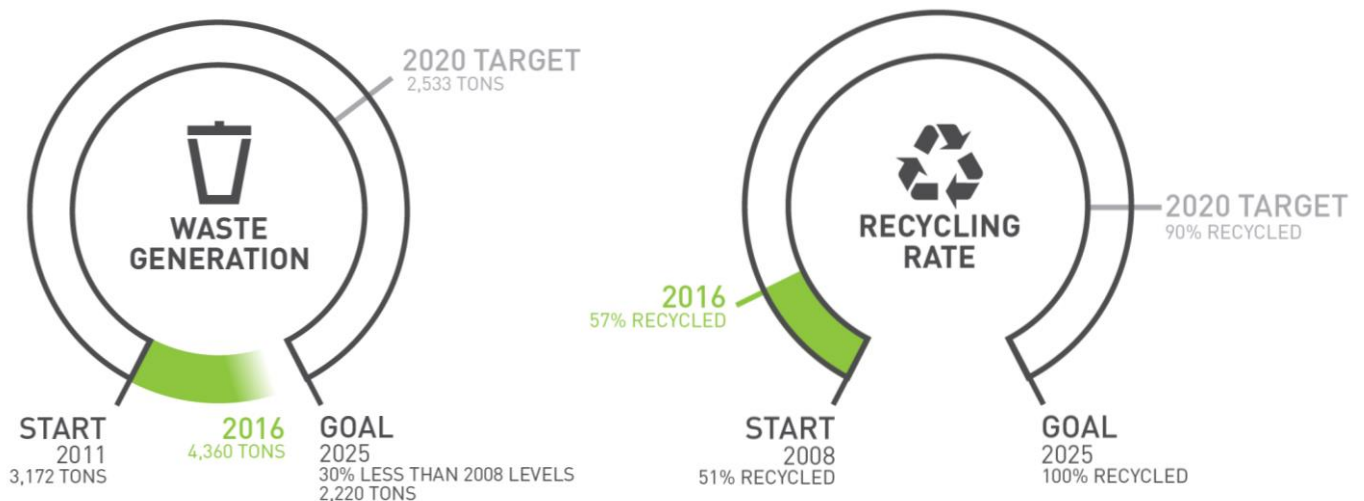


Goal	Reduce overall generation of waste, and recycle or compost all remaining waste by 2025.
Indicators	Weight (tons) of waste generated (garbage plus recycled materials ³). Percent of waste recycled.
2020 targets	Reduce waste generation 20 percent from 2008 levels by 2020. Recycle 90 percent of waste by 2020.

To measure progress toward this goal, Metro tracks overall waste generation and recycling from the major facilities in the agency’s portfolio. Metro facilities generated 4,360 tons of waste in FY 2015-16 and recycled 57 percent of total waste.

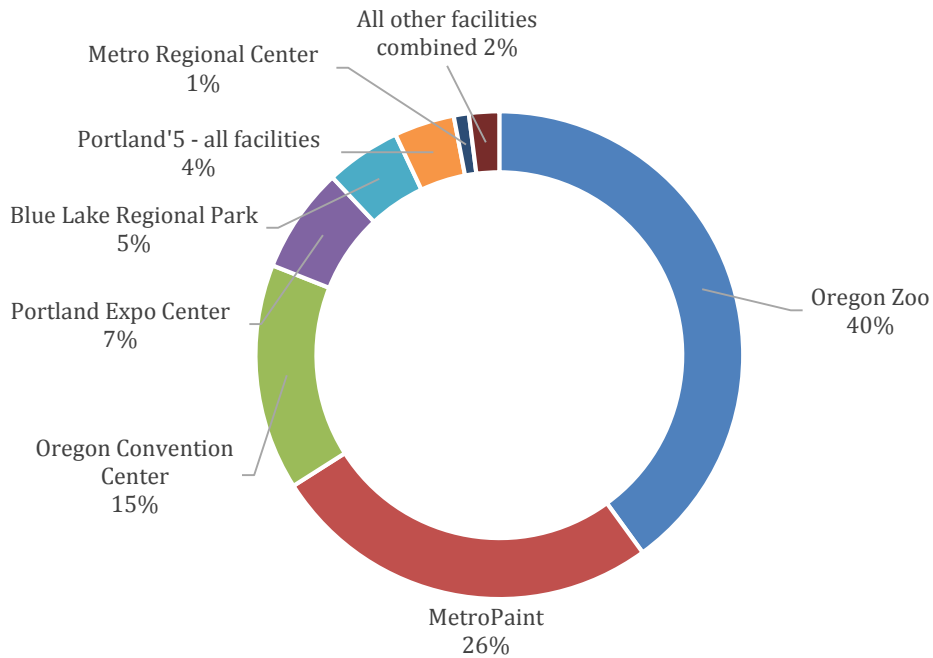
Overall waste generation across Metro is trending in the wrong direction – 37 percent higher than baseline and far from meeting the 2020 interim target of 20 percent below baseline. However, waste generation has decreased significantly at several facilities compared to baseline, including Metro Regional Center (36 percent decrease) and Expo Center (25 percent decrease).

Metro’s recycling rate has increased by six percentage points over baseline to 57 percent, with greater than 20 percent increases occurring at Arlene Schnitzer Concert Hall and Expo Center. Despite these gains, much progress would need to be made in the next few years to reach the 2020 target of 90 percent recycling rate.

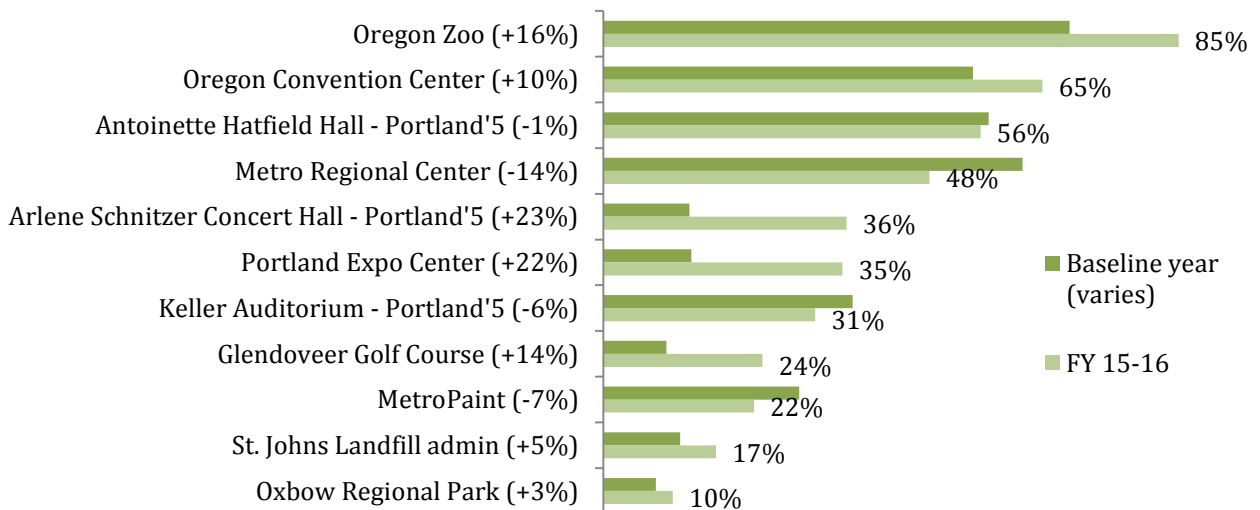


³ Recycled materials include standard recyclables, as well as yard debris or food scraps that were composted or anaerobically digested.

FY 2015-16 total waste generation as a percentage of agency total



FY 2015-16 recycling recovery rate at Metro facilities compared with baseline year (varies)^{4,5,6}



⁴ Blue Lake and Oxbow parks began tracking weight of yard debris, downed wood and trees as part of their recycling recovery rates in 2014 thus dramatically increasing their reported recovery rates.

⁵ Baseline years for calculating recycling recovery vary based on earliest available complete data set for that facility. The following facilities have a 2008 baseline year: Oregon Zoo, Oregon Convention Center, Portland Expo Center, Metro Regional Center and MetroPaint. FY 2010-11 baseline year: All Portland'5 Centers for the Arts facilities and Oxbow Regional Park. FY 2011-12 baseline year: Blue Lake Regional Park. FY 2012-13 baseline year: Glendoveer Golf and Tennis, St. Johns Landfill.

⁶ The Zoo's recycling rate includes composting of manure and animal bedding; subtracting those materials out would reduce the recycling rate to 58 percent.

GOAL 4: CONSERVE WATER



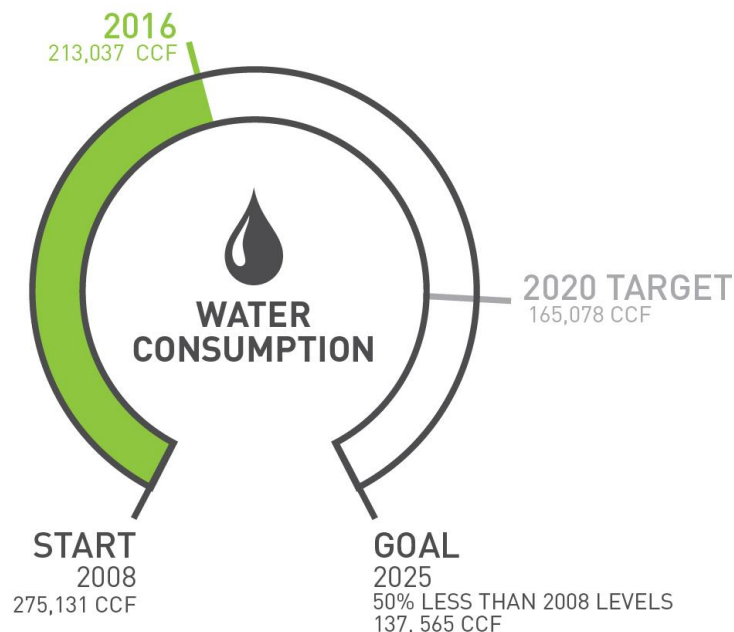
Goal	Use 50 percent less water from 2008 levels by 2025.
Indicator	Gallons of water consumed from water utilities and on-site sources.
2020 target	Use 40 percent less water from 2008 levels by 2020.

Metro collects water usage data for its facilities from water-providing utilities and from well water records. Water use is reported in CCF, or hundred cubic feet (equivalent to 748 gallons).

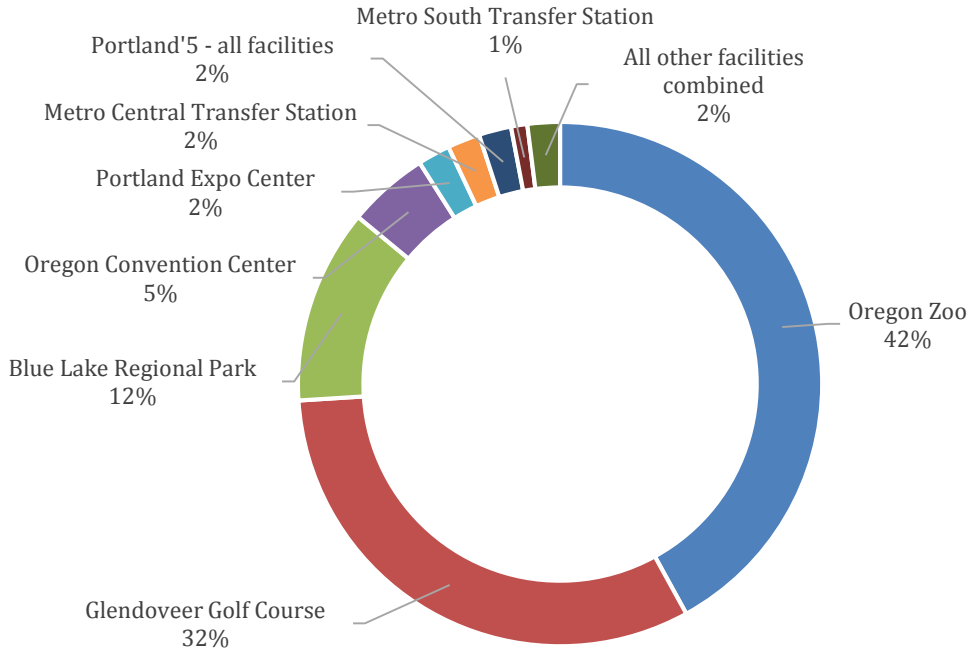
In FY 2015-16, Metro facilities consumed 213,037 CCF (159 million gallons) of water, including about 93,000 CCF (69.6 million gallons) from onsite wells. This amount of water equates to about 250 times the volume of an Olympic-sized swimming pool.

Water use in FY 2015-16 was 23 percent less than the FY 2008-09 baseline, a substantial reduction but not quite on track to meet the 2020 target of 40 percent reduction (165,078 CCF). Several facilities have reduced water use by over 50 percent compared to baseline: St. John’s Landfill (87 percent), Metro South Transfer Station (62 percent), Antoinette Hatfield Hall (58 percent) and MetroPaint (58 percent).

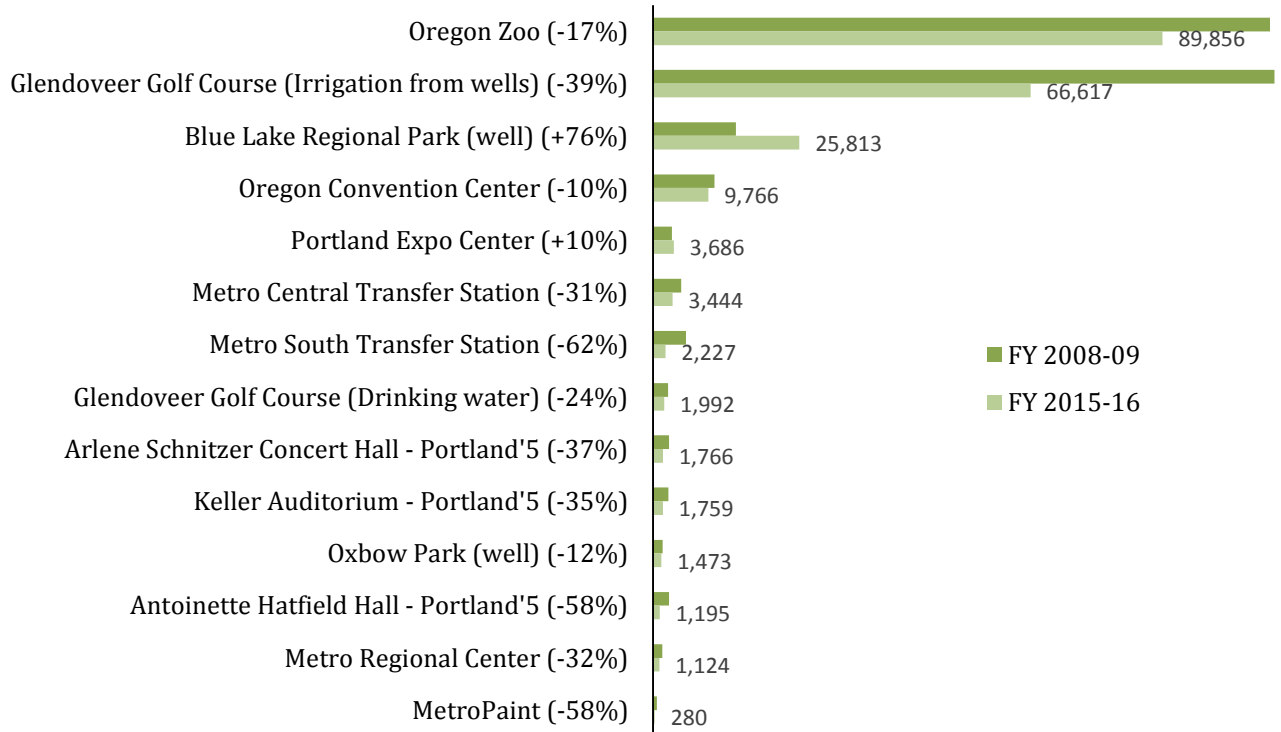
Oregon Zoo and Glendoveer Golf and Tennis Center continue to be Metro’s top water users, but each of them achieved substantial decreases compared to baseline – 17 percent and 39 percent, respectively. Two of Metro’s facilities reduced water use significantly compared to last year – Metro Regional Center (30 percent) and Metro South Transfer Station (29 percent).



FY 2015-16 water usage as a percentage of agency total



FY 2015-16 water usage compared with FY 2008-09 baseline (CCF)



GOAL 5: ENHANCE HABITAT AND REDUCE STORMWATER



Goal	Ensure that Metro's parks, trails, natural areas and developed properties positively contribute to healthy, functioning ecosystems and watershed health by 2025.
Indicator	Percentage of effective impervious area on Metro's developed properties; impervious surfaces directly connected to a stream or drainage system and not directed to a green roof, swale or other pervious area.
2020 targets	Reduce effective total impervious area on developed properties to 25 percent. Identify habitat-friendly improvement opportunities for developed properties.

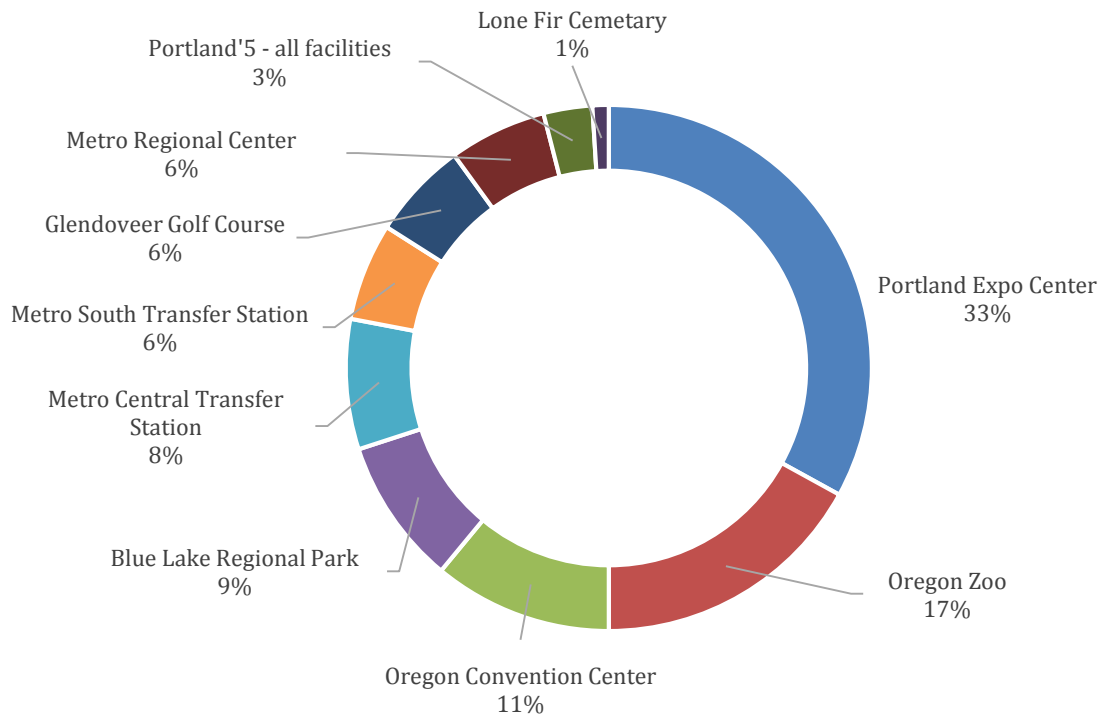
Tracking effective impervious surface area is a way to monitor stormwater runoff from Metro's developed properties and resultant impacts to habitat health. Effective impervious area measures the amount of hardscape on a developed property (e.g., roofs, parking lots, sidewalks) that sends water directly to a waterway or sewer without being treated by an ecoroof, bioswale or other low impact development facility. The higher the amount of effective impervious area, the more significant the property's negative impact on water quality and wildlife habitat.

In FY 2015-16, the overall percentage of effective impervious area on Metro's developed properties was 79 percent. This is far from the 2020 target of 25 percent effective impervious area. Reducing effective impervious area is a particularly challenging goal given the nature of many of Metro's developed properties. For instance, space limitations on several of Metro's properties restrict the ability to install bioswales, and some older buildings lack the structural integrity to support ecoroofs. Other properties offer significant opportunities to reduce effective impervious area, such as the extensive parking lot at the Expo Center, that have not yet been realized due to cost barriers.

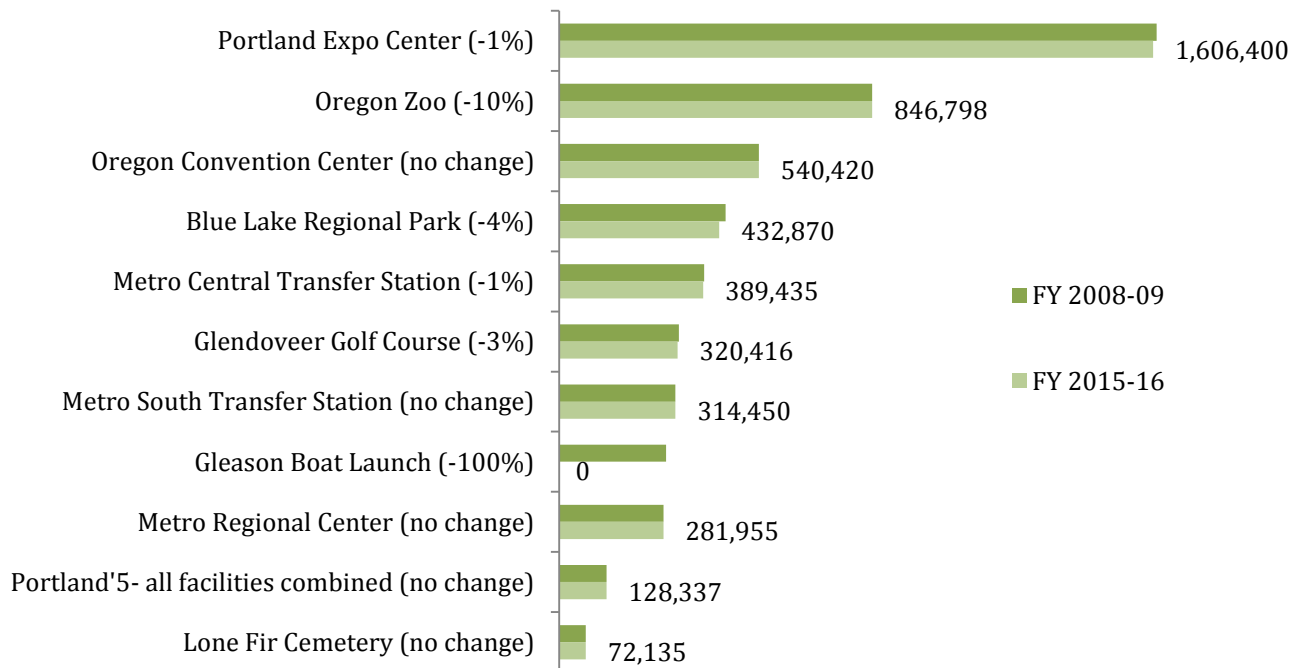
However, Metro has implemented low impact development features on properties as opportunities have arisen. For instance, in FY 2015-16, Metro installed raingardens to capture and treat portions of the stormwater runoff from four new restroom buildings at Blue Lake Regional Park. In FY 2013-14, a stormwater green wall was installed at the Expo Center that diverts stormwater and pollutants collected from 9,390 square feet of roof through a series of native plants.



FY 2015-16 effective impervious area as a percentage of agency total



FY 2015-16 effective impervious area in square feet (change compared to baseline 2008-2009)



PART 3:

APPENDIX

UTILITY COSTS

ENERGY EFFICIENCY PROJECT INCENTIVES

SUSTAINABLE PROCUREMENT

GREENHOUSE GAS EMISSIONS INVENTORY

ABOUT METRO'S SUSTAINABILITY PROGRAM

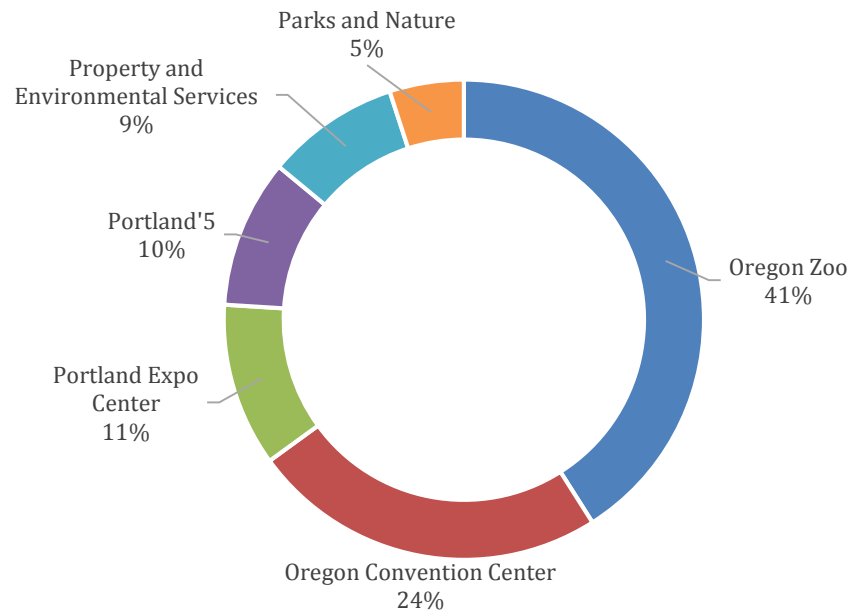
UTILITY COSTS FY 2015-16

Many of Metro’s sustainability activities revolve around improving facility systems and operations to make them more energy and water efficient, as well as reduce costs. The following utility costing data provides financial context and a sense of scale to the resource consumption that accompanies operation of Metro facilities and visitor venues.

Utility consumption costs for Metro facilities⁷, FY 2015-16

Department or venue	Utility Services - General	Electricity	Natural Gas	Water & Sewer	Solid Waste	Total FY 2015-16 utility expenses
Portland Expo Center		\$339,396	\$61,681	\$130,935	\$37,143	\$569,155
Oregon Convention Center		\$826,810	\$71,618	\$257,307	\$54,375	\$1,210,109
Portland’5 Centers for the Arts		\$348,170	\$66,441	\$82,428	\$37,687	\$534,726
Parks and Nature	\$14,949	\$56,192	\$782	\$107,402	\$72,893	\$252,217
Property and Env. Services	\$164,111	\$60,073	\$8,064	\$74,681	\$146,470	\$453,398
Oregon Zoo	\$1,872	\$694,573	\$177,340	\$1,174,442	\$73,196	\$2,121,423
FY 2015-16 Totals	\$180,931	\$2,325,213	\$385,924	\$1,827,195	\$421,764	\$5,141,028
FY 2014-15 Totals	\$16,167	\$2,393,150	\$454,971	\$1,752,927	\$386,533	\$5,003,749

FY 2015-16 utility costs by facility or venue



⁷ Until June 2015, Metro’s Parks and Environmental Services included solid waste facilities, Blue Lake and Oxbow regional parks and Metro Regional Center. As of June 2015, solid waste facilities are associated with the new Property and Environmental Services department, and Blue Lake and Oxbow Parks with the new Parks and Nature department. Utility cost data does not include Glendoveer Golf and Tennis Center because the utilities at that facility are paid by a third party operator.

ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECT INCENTIVES FY 2015-16

Metro works closely with the Energy Trust of Oregon (ETO) to implement energy efficiency and renewable energy projects at Metro facilities and visitor venues. Projects last year included lighting upgrades, building systems updates and controls, solar ready design, solar hot water and photovoltaics, and participation in ETO's Strategic Energy Management Program.

Location	Measure Description	Electricity savings (kWh)	Natural Gas savings (therms)	ETO incentive received
ETO Existing Buildings Program				
Portland's Centers for the Arts	HVAC updates, occupancy sensing plug strips, LED lighting	72,432		\$ 9,278
Blue Lake Regional Park	LED lighting	1,435		\$ 457
Oregon Zoo	LED lighting, study on Steller Cove chiller & cooling tower	57,922	604	\$ 11,400
Oregon Convention Center	Kitchen vent hood, zero loss automatic drain valve	40,476	710	\$ 9,782
Metro Regional Center	LED lighting, system controls	84,400	1,518	\$ 5,865
	Subtotal:	256,665	2,832	\$ 36,782
ETO New Buildings Program				
Zoo Elephant Lands exhibit	Commissioning			\$ 4,950
Zoo Education Center	Solar ready			\$ 2,000
Blue Lake Regional Park restrooms	LED lighting			\$ 457
	Subtotal:			\$ 7,407
ETO Commercial Solar Program				
Zoo Elephant Lands exhibit	Solar hot water		1,100	\$ 6,600
Zoo Elephant Lands exhibit	Solar photovoltaic	20,585		\$ 32,760
	Subtotal:	20,585	1,100	\$ 39,360
	Grand total ETO cash incentives FY15-16:			\$ 83,549
ETO Strategic Energy Management Program				
Expo Center	consulting services and cash incentives			\$ 27,000
Portland's Centers for the Arts	consulting services and cash incentives			\$ 27,000
Metro Regional Center	consulting services			\$ 13,000
Oregon Convention Center	consulting services and cash incentives			\$ 15,000
	Total value of ETO Strategic Energy Management consulting services FY15-16:			\$ 82,000
	GRAND TOTAL VALUE OF INCENTIVES			\$ 165,549

SUSTAINABLE PROCUREMENT FY 2015-16

Metro’s sustainable procurement program was created to ensure that Metro’s procurement activities meet adopted sustainability goals and support a sustainable environment, economy and community. The program aims to:

- increase by 5 percent per year the dollar amount of sustainable products purchased from the prior year
- increase utilization of minority-owned, women-owned and emerging small business (MWESB) certified firms in Metro contracting, expressed as a percent of total spending
- increase utilization of local businesses within 400 miles of Metro.

Metro reports MWESB firm contract utilization rates in a separate report available on Metro’s website: www.oregonmetro.gov/mwesb. Metro’s Sustainable Procurement policy can be found online at www.oregonmetro.gov/greenmetro.

In FY 2015-16, Metro spent nearly \$6.4 million on sustainable goods and services.⁸ This represents roughly 12 percent of Metro’s overall spending on goods and services for the year.

Metro-Wide Spend Totals by Category

Third Party Certified	\$408,331
Recycled Content	
Recycled Paper	\$217,239
Recycled Content Product	\$122,079
Product - Other	\$67,491
Services	
Habitat Friendly	\$1,317,525
Energy Efficiency	\$230,630
Feasibility / Design	\$32,903
Other	\$1,071,474
Renewable Power	\$932,232
Green Building	\$26,919
Supporting Regional Sustainability	\$1,887,958
Oregon Products and Services	
Oregon Products	\$6,822
Oregon Services	\$49,244
Total Sustainable Procurement FY15-16	\$6,370,848
Total Goods and Services Purchases	\$54,401,926
% Sustainable Purchases	12%

⁸ The “other” categories include products and services that have sustainable attributes but do not fit the categories Metro uses to track sustainable purchases. The “Product – Other” category includes products such as hybrid fleet vehicles. The “Services – Other” category includes services such as software that reduces paper and transit passes for Metro employees.

In addition to the numbers listed above, Metro’s Zoo Bond program has made significant purchases supporting green building. With nearly \$12 million in procurement of LEED certified buildings in FY 2015-16, the Zoo Bond expenses show commitment to sustainable new construction. The Elephant Lands project, for example, exceeded its goal when it was recently certified to LEED Gold.

In 2012, Metro established a goal to increase sustainable procurement five percent year over year using FY 2012-13 data as a baseline. Since then, Metro has increased its sustainable procurement to 12 percent. This puts Metro behind the goal of 21 percent sustainable procurement for FY 2015-16.

Fiscal Year	Goal	Actual
2012-2013	n/a	5.6%
2013-2014	11%	3%
2014-2015	16%	9%
2015-2016	21%	12%
2016-2017	26%	-
2017-2018	31%	-

One of the biggest challenges in meeting this goal is the process for tracking expenses. Metro tracks sustainable procurement through budget coding that is applied to every line item in our accounting system. This means that a large number of staff are responsible for correctly and consistently applying sustainability coding to expenses. As a result, Metro is likely under-accounting for our sustainable purchasing. To address this, Metro engages in frequent training and communications regarding tracking sustainable procurement.

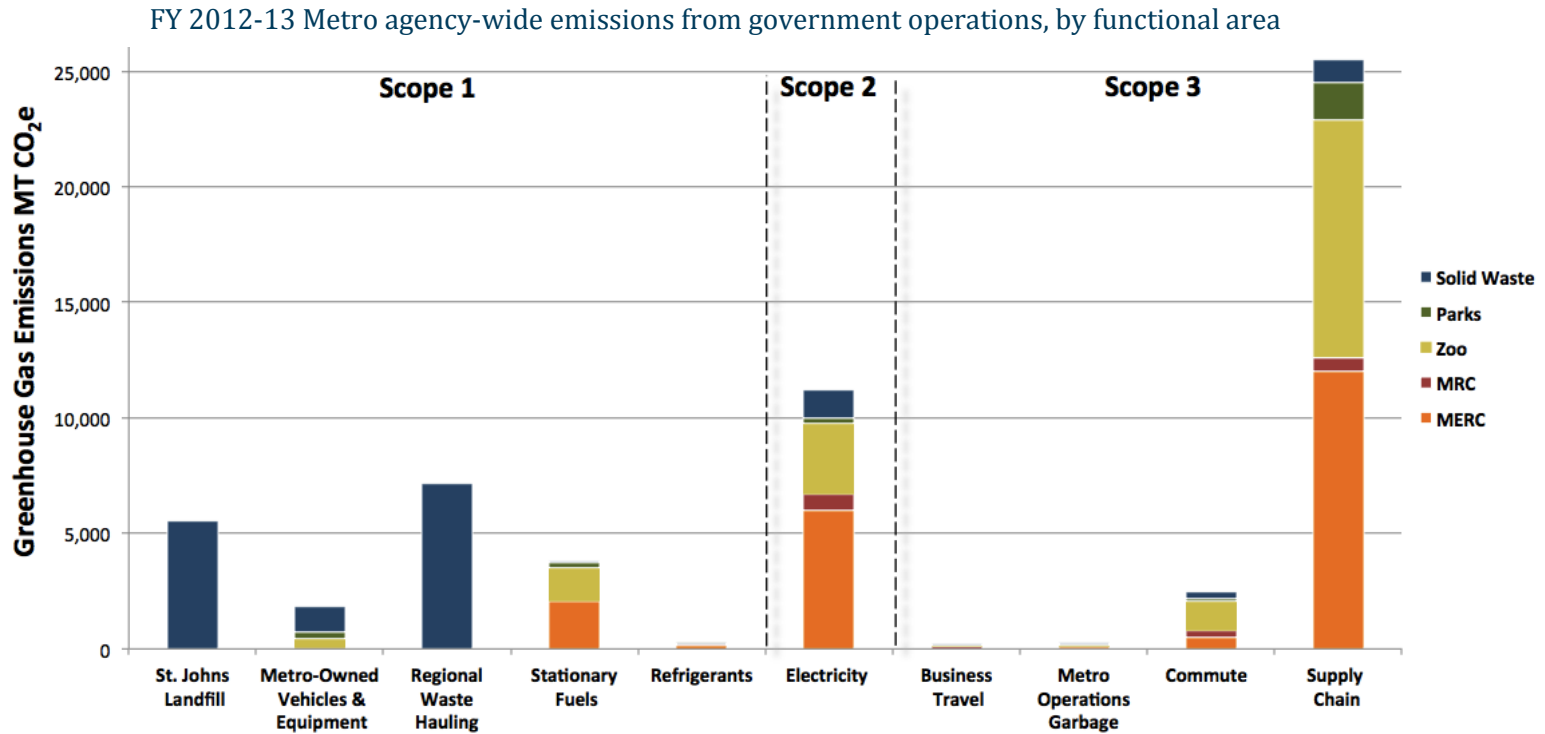
In FY 2015-16, Metro updated the tracking codes to better track how our purchases align with our Sustainable Procurement Program. One of the updates involved merging all third-party certified products in order to simplify the tracking system and reduce the number of different tracking codes. Another change involved adding a category for services that support sustainability in the region. This category aims to capture the public work that Metro does to make our region more sustainable.

GREENHOUSE GAS EMISSIONS INVENTORY, FY 2012-13

Metro previously completed comprehensive greenhouse gas emissions inventories for internal operations for 2008, as the baseline year, and for FY 2012-13. Due to the complexity of the analysis, Metro does not conduct a greenhouse gas emissions inventory annually. A summary of the results of the FY 2012-13 analysis can be found in the graph below. Greenhouse gas emissions are reported in metric tons of carbon dioxide equivalent (MT CO₂e).

In FY 2012-13 Metro operations generated a total of 58,173 MT CO₂e from both direct sources (Scope 1 – those owned by Metro) and indirect sources (Scopes 2 and 3 – those that result from Metro’s activities but occur from sources owned controlled by another entity such as purchased electricity, embodied emissions in goods, employee travel and commuting, etc.).

The first chart below shows a breakdown of emissions by scope and by functional area. Scopes 1 and 2 yielded 29,768 MT CO₂e. This is equivalent to annual emissions from 6,202 passenger vehicles. Scope 3 emissions were 28,406 MT CO₂e, equivalent to emissions from 5,918 passenger vehicles.

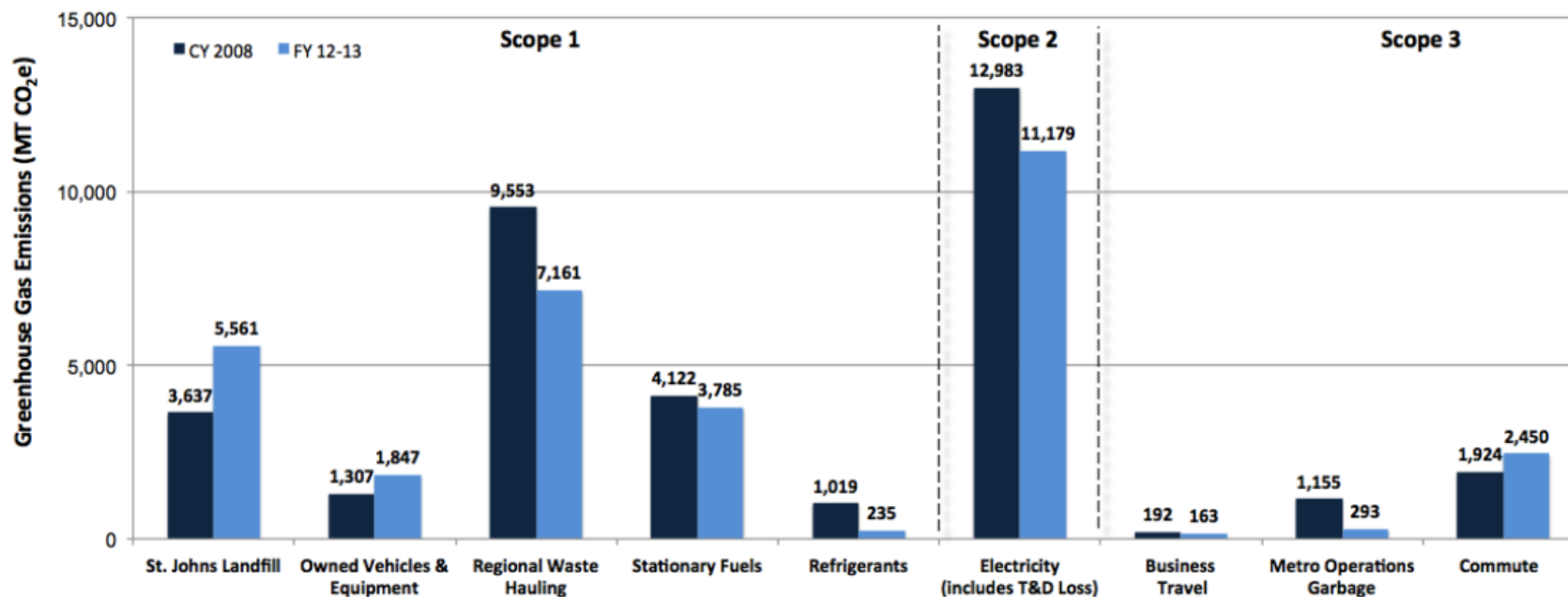


The chart below compares FY 2012-13 emissions with CY 2008 emissions. Overall, non-supply chain emissions decreased nearly nine percent, from 35,892 MT CO₂e in CY 2008 to 32,673 MT CO₂e in FY 2012-13. While this is a significant reduction, it is not on pace to meet Metro’s ambitious goal of an 80% reduction of non-supply chain emissions over CY2008 levels by 2050. Emissions sources that decreased since the baseline include:

- electricity and stationary fuels: electricity decreased by 15 percent and stationary fuels (primarily natural gas) by 8 percent due to energy efficiency projects
- regional waste hauling: a decrease in community-generated solid waste due primarily to the economic downturn led to this 25 percent reduction in emissions from waste transportation
- refrigerants: equipment replacement has led to fewer leaks
- business travel: reductions are due to reduced air travel
- Metro operations garbage: recycling and compost programs led to higher diversion rates in FY 2012-13.

The full FY 2012-13 report is available at www.oregonmetro.gov/greenmetro.

Emissions comparison between CY 2008 and FY 2012-13, by emissions source and scope



ABOUT METRO'S SUSTAINABILITY PROGRAM

Metro's Sustainability Program coordinates implementation of the agency's *Sustainability Plan* for internal operations. Actions are spread across Metro's departments, facilities and visitor venues.

Sustainability Steering Committee

A steering committee of representatives from Metro's major facilities and venues and key departments provides oversight and accountability for implementation of the *Metro Sustainability Plan*. 2015-16 members included:

- Ed Williams, Portland's Centers for the Arts
- Rick Hanes, Oregon Zoo
- Matthew Uchtman and Rick Hodges, Oregon Convention Center
- Chuck Dills, Portland Expo Center
- Jen Keisler Fornes, Parks and Nature, Parks Operations
- Debbie Humphrey, Property and Environmental Services, Solid Waste Operations
- Nancy Strening, Property and Environmental Services, Construction Project Management Office
- Rory Greenfield, Property and Environmental Services, Metro Regional Center operations
- Tracy Sagal, Finance and Regulatory Services, Procurement Services division
- Benjamin Rowe, Finance and Regulatory Services

Green Teams

In addition to the work of the sustainability steering committee and the facility operations managers, five green teams support implementation of sustainable practices in Metro workplaces.

The following Metro employees served as chairs of the green teams during FY 2015-16:

- Metro Regional Center: Sabrina Gogol
- Property and Environmental Services/Parks and Nature: Andrew Judkins
- Portland's Centers for the Arts: Matt Nicoll
- Glendoveer Golf and Tennis Center: Carolyn Sherman
- Expo Center: Chuck Dills

For more information about Metro's Sustainability Program and this report, contact:

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Sustainability Coordinator

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www.oregonmetro.gov/greenmetro

MERC Commission Meeting

January 4, 2017
12:30 pm

9.0 Consent Agenda

Metropolitan Exposition Recreation Commission

Record of MERC Commission Actions

December 7, 2016

Expo Center, Rooms D202-203

Present:	Elisa Dozono (Chair), Deidra Krys-Rusoff, Karis Stoudamire-Phillips, Judie Hammerstad, Terry Goldman, Damien Hall
Absent:	Ray Leary, Council Liaison Sam Chase
	A regular meeting of the Metropolitan Exposition-Recreation Commission was called to order by Chair Elisa Dozono at 12:43 p.m.
1.0	QUORUM CONFIRMED A quorum of Commissioners was present.
2.0	OPPORTUNITY FOR PUBLIC COMMENT ON NON-AGENDA ITEMS None
3.0	METRO COO COMMUNICATIONS Metro COO, Martha Bennett, provided an update on the recruitment for the GM of Visitor Venues. <ul style="list-style-type: none"> • Application period closed December 2nd. The screening process begins December 14. • Two commissioners as well as one venue director will assist with the interview process. • The goal is to pare down the qualified applicants to two or three finalists by late January or early February.
4.0	COMMISSION/COUNCIL LIAISON COMMUNICATIONS <ul style="list-style-type: none"> • Commissioners Dozono and Goldman reported on the Travel Portland Familiarization Tour (FAM) held last week. • Commissioner Dozono thanked Metro and Portland’s for the showing of Hands Up Portland.
5.0	INTERIM GM COMMUNICATIONS Due to Council Liaison Chase’s absence, Cruickshank covered the Councilor’s planned communications including an update on Metro Council’s equitable housing work and a report on the recent Diversity in Construction Trades Summit. He then provided these updates to the Commission: <ul style="list-style-type: none"> • Over Thanksgiving, Metro facilities experienced a flood due to a broken water heater on the third floor which displaced several Metro employees for about a week and a half. • Hotel project manager, Hillary Wilton, has resigned. Cruickshank will fill in as needed; no setbacks are expected. The 100% design drawings are complete and Hyatt’s feedback on the drawings is expected next week. Mortenson will begin applying for permits as next step. A more complete hotel project update will be presented at the January MERC meeting. • Commissioner Hammerstad inquired whether the commission could further review the hotel designs. Cruickshank noted that it is possible that a representative from Mortenson could come to a future meeting to preview the designs. • Regarding the budget process, the venues have submitted their Capital plans and teams are working on finalizing budget numbers. • Mike Smith of Travel Portland will retire January 1st. • A memorial service for Bill Tolbert is scheduled for this Saturday at Western Seminary. • Ben Rowe has a new family member: Violet Marie was born on November 10.
6.0	FINANCIAL REPORT MERC Finance Manager, Ben Rowe, updated the Commission on MERC finances. <ul style="list-style-type: none"> • Commissioner Krys-Rusoff inquired about venue expenses being lower than the prior year and below year-to-date budget and inquired whether that is sustainable. Rowe responded that the numbers are low due to events being down 5% to the prior year.

	<ul style="list-style-type: none"> • Commissioner Krys-Rusoff noted that Food and Beverage numbers were below the prior year and inquired whether the venues will meet budget. Rowe responded that last year was a banner year and, therefore, a comparison to that year will be skewed. He believes the venues will meet budget - currently, the numbers are above the historical 3-year average. • Commissioner Krys-Rusoff noted that through October, TLT is tracking above budget and inquired if that trend is expected to continue through the year. Rowe responded that, through October, TLT is tracking 16% over last year. Commissioner Goldman added that, although the hotel industry is continuing to experience strong numbers, a slowdown in lodging is expected next year.
7.0	<p>VENUE BUSINESS REPORTS</p> <p>The Venue Directors updated the MERC Commission on recent venue business.</p> <ul style="list-style-type: none"> • Interim GM Scott Cruickshank offered congratulations to Matthew P. Rotchford for successfully scheduling Cirque de Soleil for a run from mid-August to mid-October of 2017 at Expo. • Chair Dozono noted that 2017 marks the 50th anniversary of the signing of U.S. Executive Order 9066. Since the Expo grounds were once the location of a Japanese internment camp, she inquired whether events might be occurring to honor the anniversary. Rotchford responded that he is in communication with the Nikkei Legacy Group to plan commemoration events.
8.0	<p>TRAVEL PORTLAND QUARTERLY REPORT</p> <p>Steve Faulstick of Travel Portland presented the report for the first quarter of FY2016-17.</p> <ul style="list-style-type: none"> • Commissioner Krys-Rusoff inquired whether Travel Portland had a projected number for TLT in the next fiscal year. Faulstick replied that they haven't specified a number at this point. Scott Cruickshank noted that Multnomah county is projecting 8% growth. • Krys-Rusoff requested an explanation for the difference in the Marketing & Communications actual vs. budget expenses in the income statement of the report. Jeff Miller, CEO of Travel Portland, responded that it reflects the change in timing for Travel Portland's winter campaign. It is expected that the difference will be made up soon.
9.0	<p>EQUITY IN CONTRACTING ANNUAL REPORT</p> <p>Metro Procurement Manager, Gabriele Schuster, presented the report to the commission.</p> <ul style="list-style-type: none"> • Commissioner Goldman requested a percentage comparison between this and last year for COBID contracts awarded. Schuster responded that the numbers are down this year due to a few large projects last year which bumped up the numbers. Metro procurement expects 17% trend in growth in the next fiscal year. • Commissioner Goldman inquired why, considering the amount in contract dollars spent, the amount of contract dollars awarded to COBID firms is low. Schuster responded that there could be several reasons and she will need to do more analysis before providing a report for the commission. • Commissioner Krys-Rusoff inquired if it is a statewide problem. Schuster responded affirmatively adding that Metro is requesting more flexibility in state law. • Commissioner Hall inquired why some businesses are hesitant to register as a COBID firm. Schuster responded that there is a perception that the certification process is difficult adding that Metro is working with the state to simplify the process.
10.0	<p>METRO DIVERSITY, EQUITY AND INCLUSION UPDATE</p> <p>Patty Unfred, and Cassie Salinas of Metro's DEI team with Becca Uherbelau of Metro Communications and Nike Green of P'5 provided the update to the Commission.</p> <ul style="list-style-type: none"> • Commissioner Krys-Rusoff noted that employee feedback mentioned that there is "too narrow of a focus on some diversity issues and that there is inconsistency of application among

	<p>management” and inquired how those items are being addressed.</p> <p>Unfred replied that management is being offered training on how to develop teams that work together with care and concern. Additional courses to address racial equity for all employees are being offered.</p> <ul style="list-style-type: none"> • Commissioner Dozono pointed out that many of Metro’s outreach tools are technology-based however many members of the target audience lack those tools and inquired how that is being addressed. <p>Uherbelau stated that Metro Communications is working to develop a “Metro 101” course that would help with these issues. They are also working with community partners on a community forum to build face-to-face opportunities.</p> <ul style="list-style-type: none"> • Commissioner Hall inquired about Metro’s support and resources being offered to help with next year’s action items. <p>Unfred responded that DEI is looking at the budget needs for next year and noted that the agency has increased its financial investment in DEI projects.</p>
11.0	<p>CONSENT AGENDA</p> <p>Includes:</p> <ul style="list-style-type: none"> • Record of MERC Actions, November 2, 2016 <p>A motion was made by Commissioner Kryz-Rusoff and seconded by Commissioner Goldman to approve the Consent Agenda.</p> <p>VOTING: AYE: 5 (Dozono, Goldman, Hall, Hammerstad, Kryz-Rusoff, Stoudamire-Phillips) NAY: 0 MOTION PASSED</p>
12.0	<p>ACTION AGENDA</p> <p>Resolution 16-32: For the purpose of approving a Distributed Antenna System License Agreement at the Oregon Convention Center.</p> <p>Matt Pizzuti, Interim Executive Director of the Oregon Convention Center presented the resolution to the Commission.</p> <ul style="list-style-type: none"> • Chair Dozono noted that the contract covers an extended period of time and questioned whether the contractors will be responsible for any upgrades over the term of the contract. Pizzuti responded affirmatively. • Commissioner Hall inquired whether the contractor had any relationships with multiple carriers in order to insure that the agreed upon timeline is reasonable. • Pizzuti responded affirmatively. <p>A motion was made by Commissioner Hammerstad and seconded by Commissioner Stoudamire-Phillips to approve the resolution.</p> <p>VOTING: AYE: 5 (Dozono, Goldman, Hall, Hammerstad, Kryz-Rusoff, Stoudamire-Phillips) NAY: 0 MOTION PASSED</p>
	<p>As there was no further business to come before the Commission, the meeting was adjourned at 2:52 p.m.</p>

MERC Commission Meeting

January 4, 2017
12:30 pm

10.0 Action Agenda

Resolution 17-01 will be available at the MERC meeting on Jan. 4, 2017

**Materials following this page are
attachments to the public record.**

METROPOLITAN EXPOSITION RECREATION COMMISSION
Resolution No. 17-01

For the Purpose of Electing the Metropolitan Exposition Recreation Commission Chair and Vice Chair for the remainder of Fiscal Year 2016-17.

WHEREAS, Commissioner Elisa Dozono resigned from the Commission on December 13, 2016; and

WHEREAS, Commissioner Dozono held the MERC Chair position for a term that ended on June 30, 2017; and

WHEREAS, the MERC By-Laws state in Section Two; Subsection 7, Vacancies: Should the offices of Chair, Vice Chair, or Secretary-Treasurer become vacant, the Commission shall elect a successor from its membership at or before the next regular meeting or a special meeting and such election shall be for the unexpired term of such office; and

WHEREAS, MERC has nominated and elected Commissioner Karis Stoudamire-Phillips as MERC Chair for the remainder of the term of office which expires on June 30, 2017; and

WHEREAS, Commissioner Stoudamire-Phillips served as the Vice-Chair, MERC has nominated and elected Commissioner Terry Goldman to serve as the Vice-Chair for the remainder of the term of office which expires on June 30, 2017.

BE IT THEREFORE RESOLVED that the appointment of Commission Karis Stoudamire-Phillips as MERC Chair and the appointment Commissioner Terry Goldman as MERC Vice Chair are hereby confirmed.

Passed by the Commission on January 4, 2017.

Approved as to form:
Alison R. Kean, Metro Attorney

Chair

Nathan A. S. Sykes, Deputy Metro Attorney

Secretary-Treasurer



Metro

Update:
Hyatt Regency Portland at
the Oregon Convention
Center

January 4, 2017

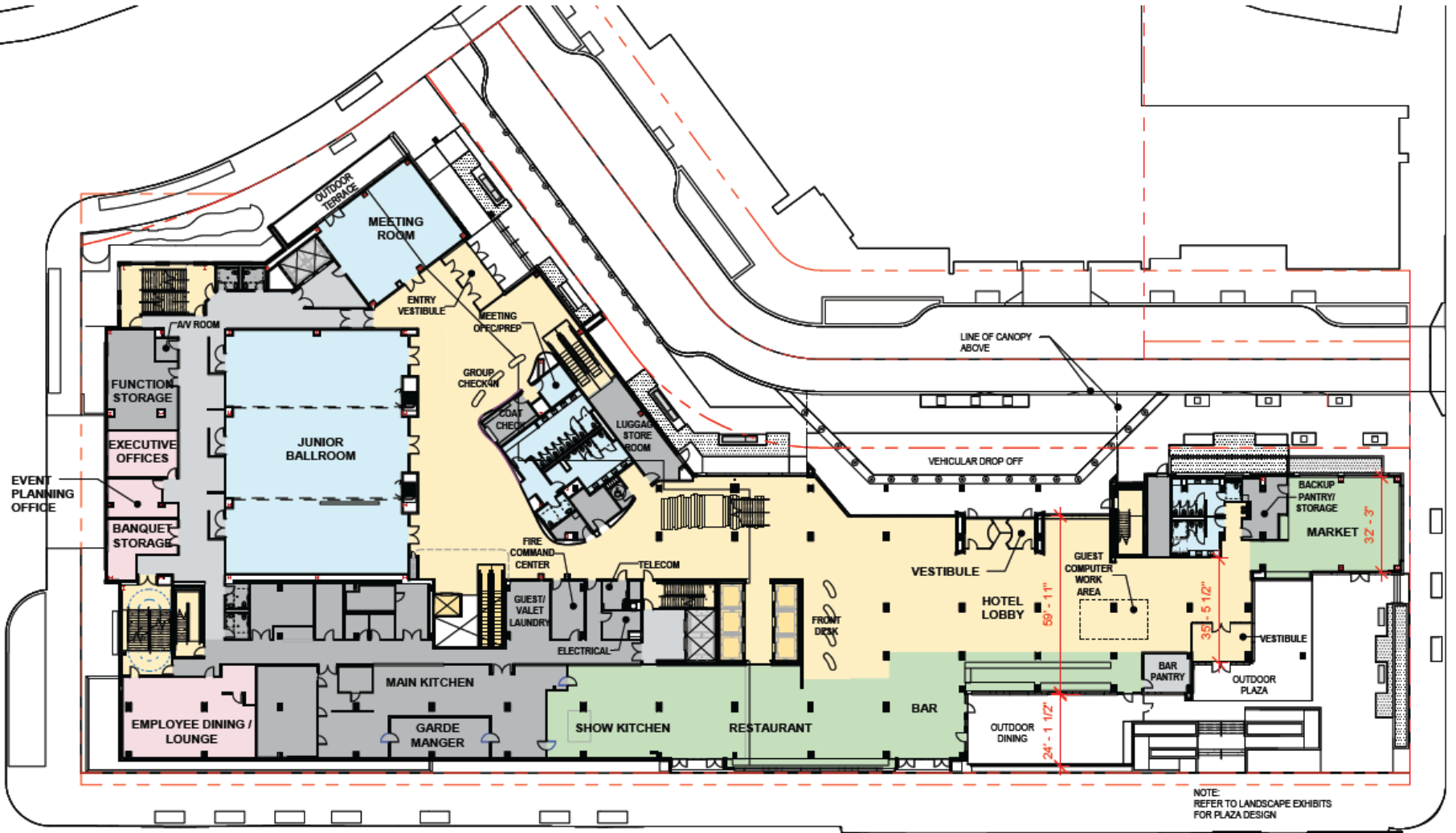
Hyatt Regency Portland Design



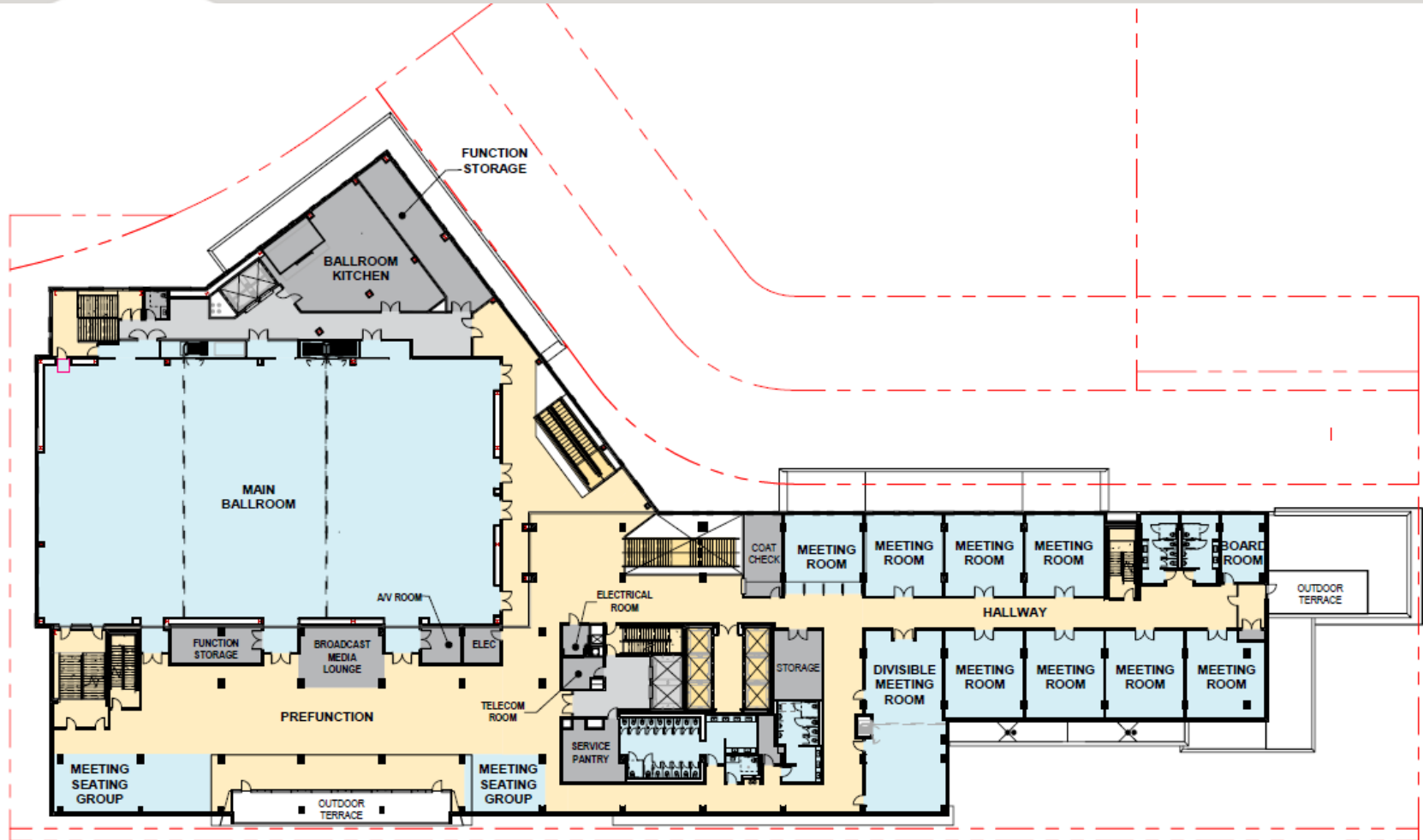
Design – the site



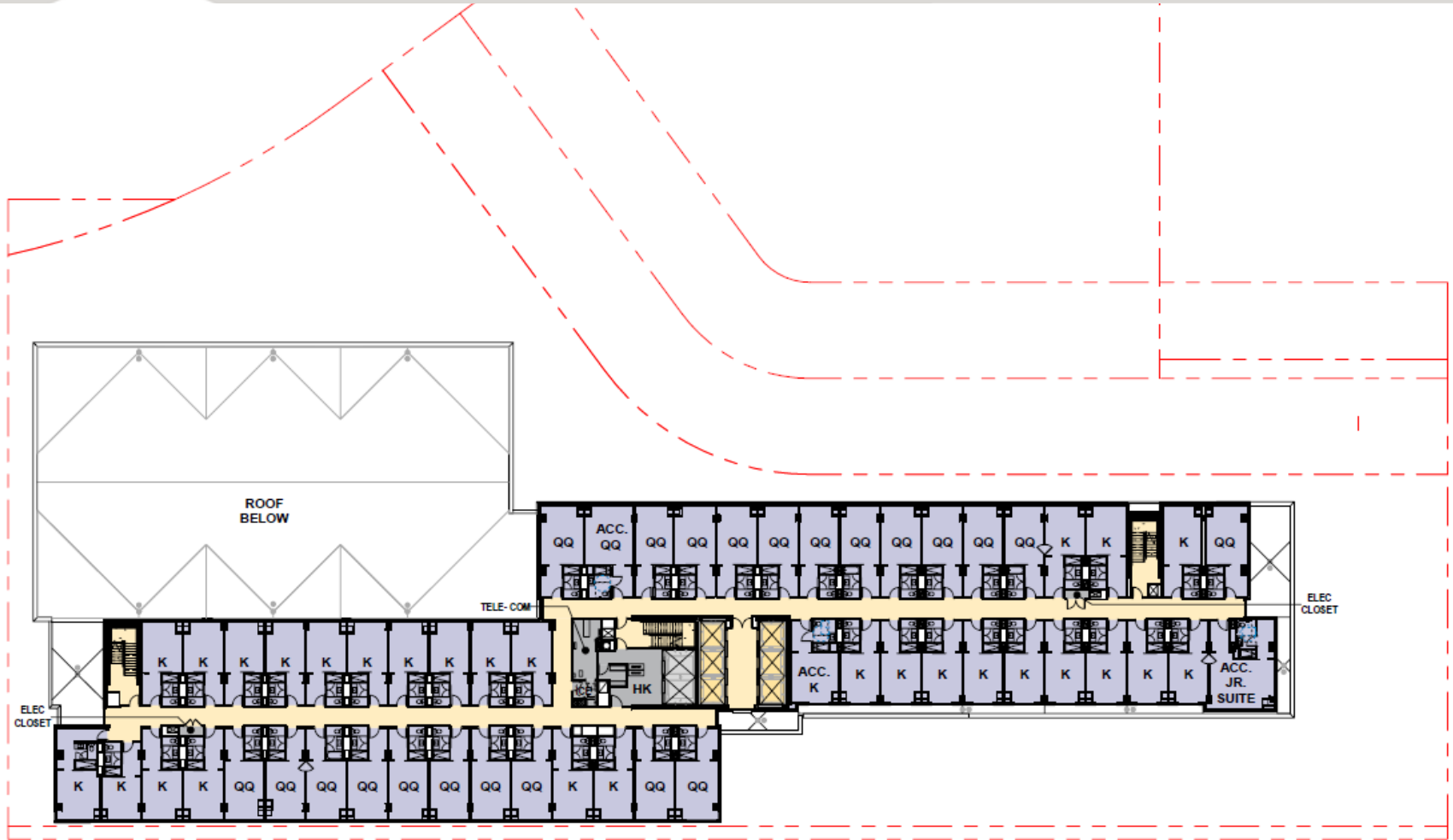
Design - floorplan



Design - floorplan



Design - floorplan



Design - materials



BRICK #1- RUNNING BOND



BRICK #1- STACKED BOND



STAINED CONCRETE



Design - materials



METAL COLOR #1



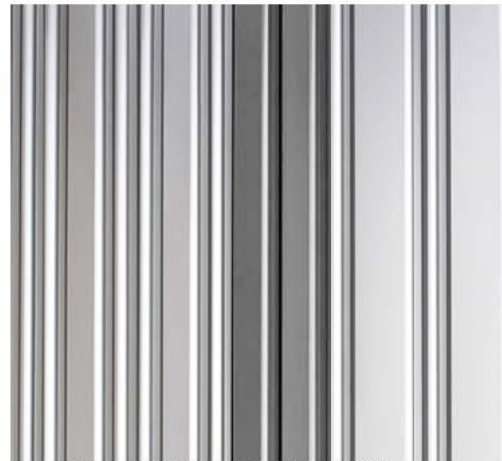
METAL COLOR #2



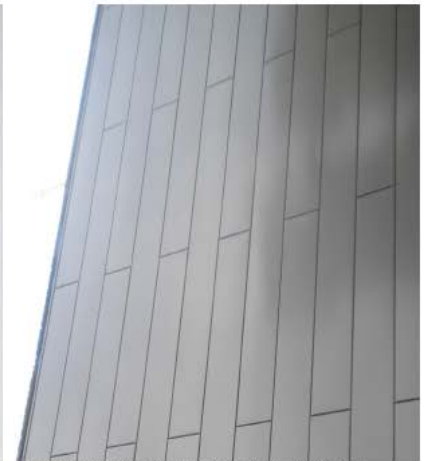
METAL COLOR #3



PREFINISHED COMPOSITE METAL PANEL- COLOR #1



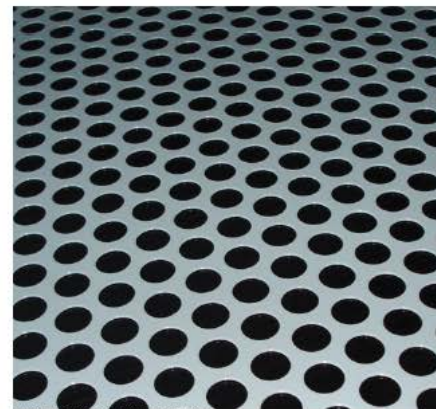
PREFINISHED PROFILED METAL PANEL- COLORS #1 & #2



PREFINISHED FLAT FACE METAL PANEL- COLOR #2



GFRC PLANK CLADDING WITH EXPOSED FASTENERS



PERFORATED METAL PANEL



Design - materials

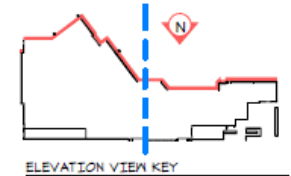
PARKING GARAGE OVERALL TOTALS		
MATERIAL TYPE	OVERALL TOTALS	MATERIAL % OVERALL TOTAL
GFRC	6,957	15%
STAINED CONCRETE	2,309	5%
METAL PANEL	32,077	67%
COMPOSITE WOOD	880	2%
WINDOWS	5,743	12%
TOTAL GSF	47,966	100%

HOTEL OVERALL TOTALS		
MATERIAL TYPE	OVERALL TOTALS	MATERIAL % OVERALL TOTAL
BRICK	24,359	14%
STAINED CONCRETE	3,405	2%
METAL PANEL	99,036	56%
COMPOSITE WOOD	3,032	2%
WINDOWS	48,446	27%
TOTAL GSF	178,278	100%

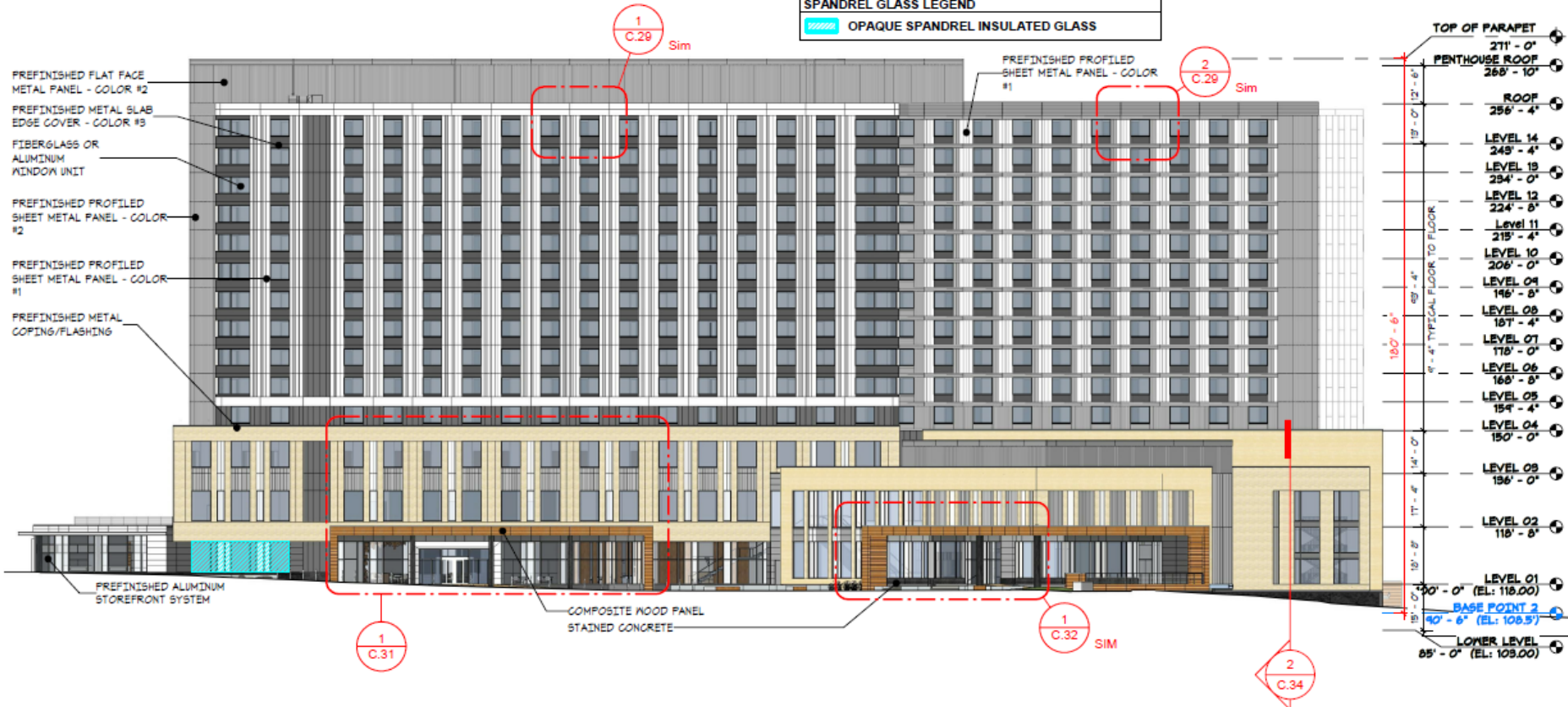


Design - materials

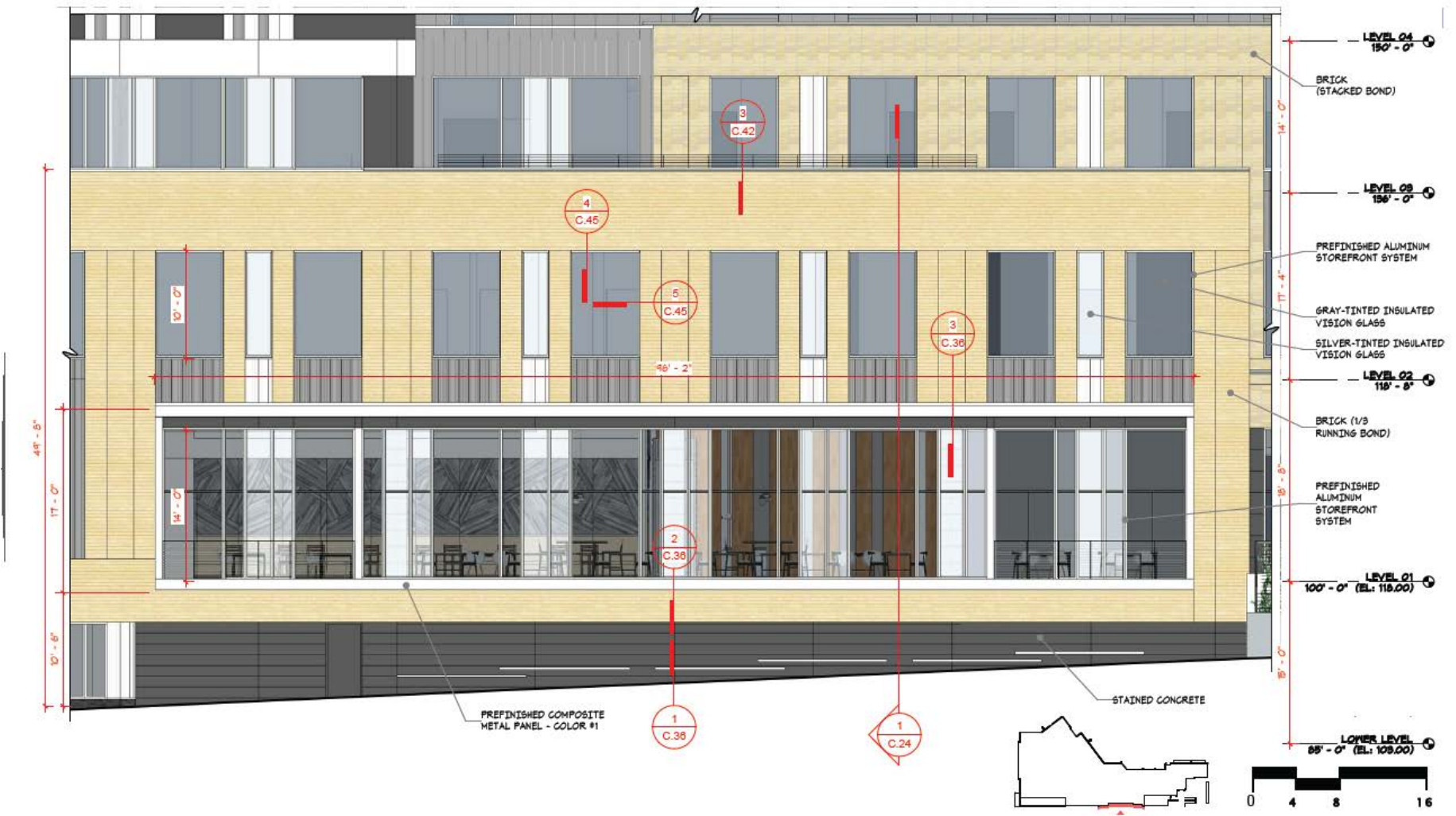
NORTH FAÇADE / HASSALO PLACE & NE MULNOMAH STREET				
MATERIAL TYPE	PODIUM SF	TOWER SF	TOTAL SF	FAÇADE %
BRICK	8,974			13.0%
STAINED CONCRETE	783			1.1%
METAL PANEL	6,161	33,055	39,216	56.8%
COMPOSITE WOOD	1,346			1.9%
WINDOWS	7,827	10,936	18,763	27.2%
TOTAL GSF	25,091	43,991	69,082	100%



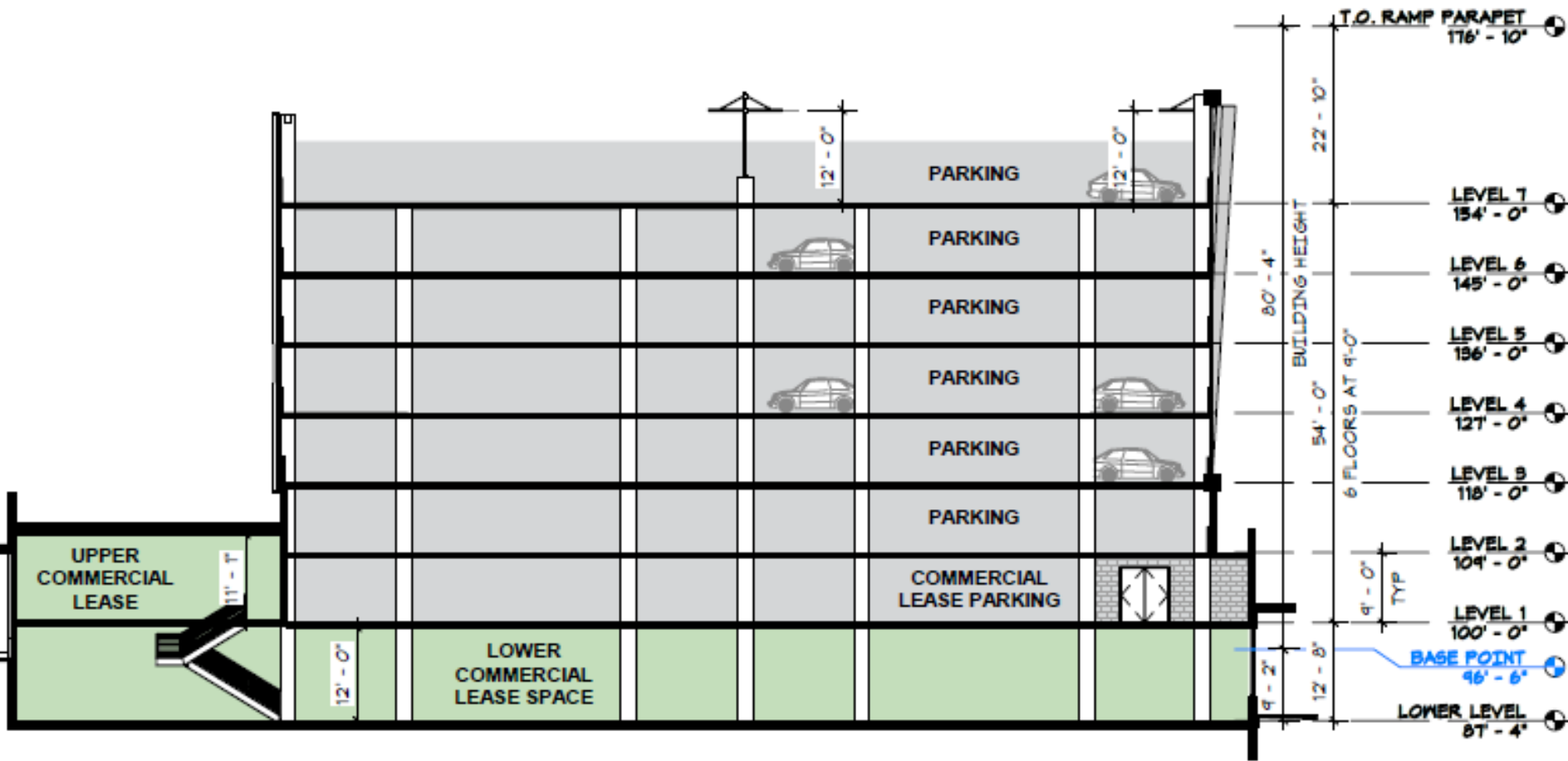
SPANDREL GLASS LEGEND	
	OPAQUE SPANDREL INSULATED GLASS



Design - materials

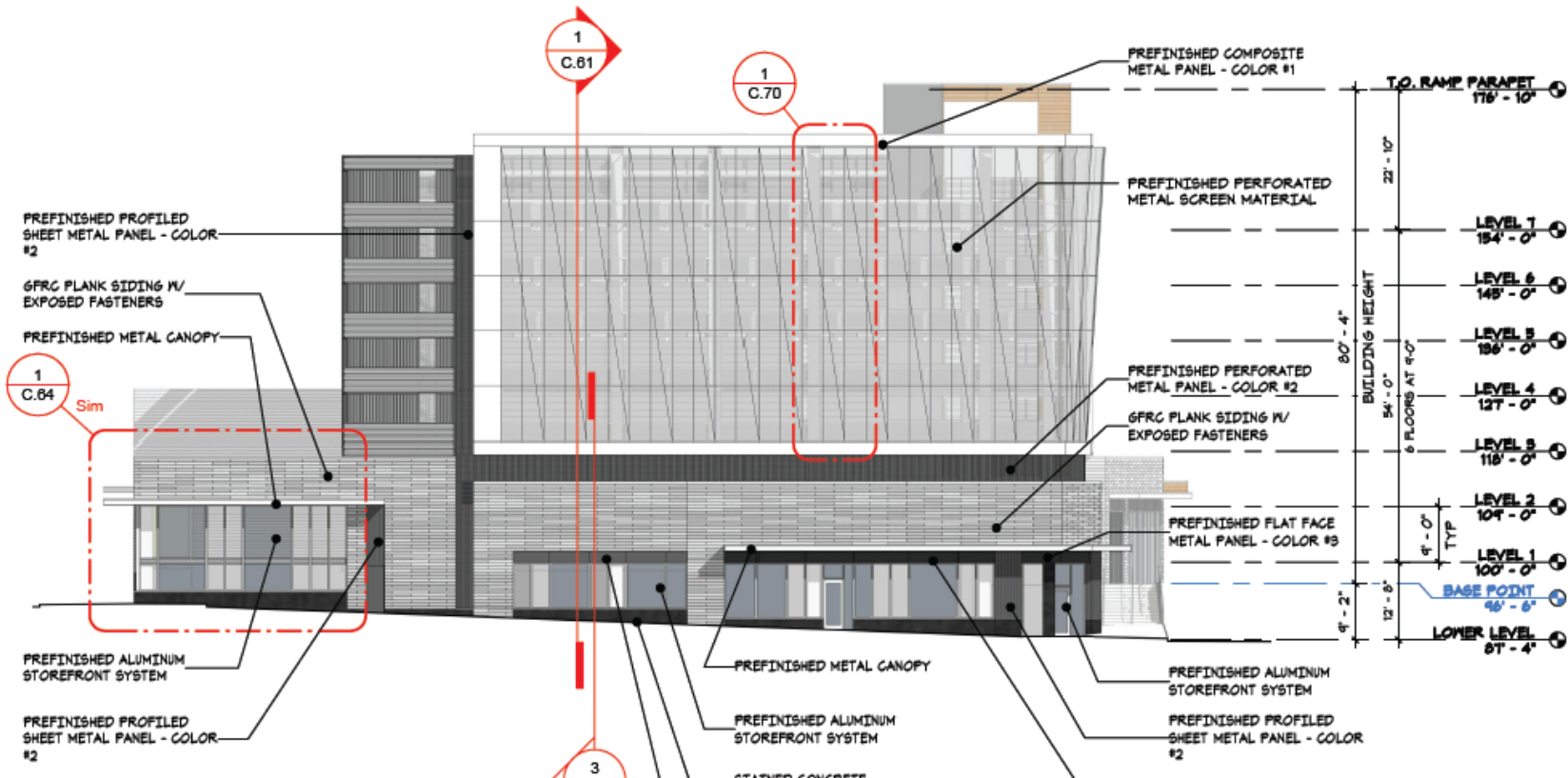
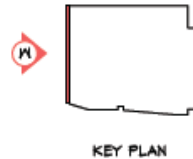


Design – parking garage



Design – parking garage

WEST FAÇADE / NE 1ST AVENUE		
MATERIAL TYPE	TOTAL SF	FAÇADE %
GFRC	1,821	17%
STAINED CONCRETE	349	3%
METAL PANEL	7,301	68%
COMPOSITE WOOD	0	0%
WINDOWS	1,222	11%
TOTAL GSF	10,693	100%



Design – landscape inspiration



METAL PLANTERS WITH SEATING – INSPIRATION



CONCRETE UNIT PAVERS –
UNILOCK ARTLINE SERIES



FIXED CUSTOM BENCHES –
CIP CONCRETE AND WOOD



STONE FURNISHINGS – INSPIRATION



REE STANDING PLANTERS –
INSPIRATION



METAL HOOP BIKE PARKING



CABLE VINE TRELLIS



RAIN GARDEN SCUPPER



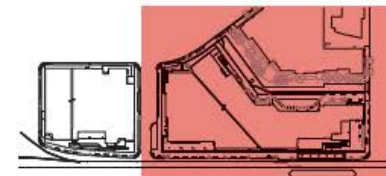
STONE WEIR SPILLWAY – INSPIRATION

Design - landscape



KEY

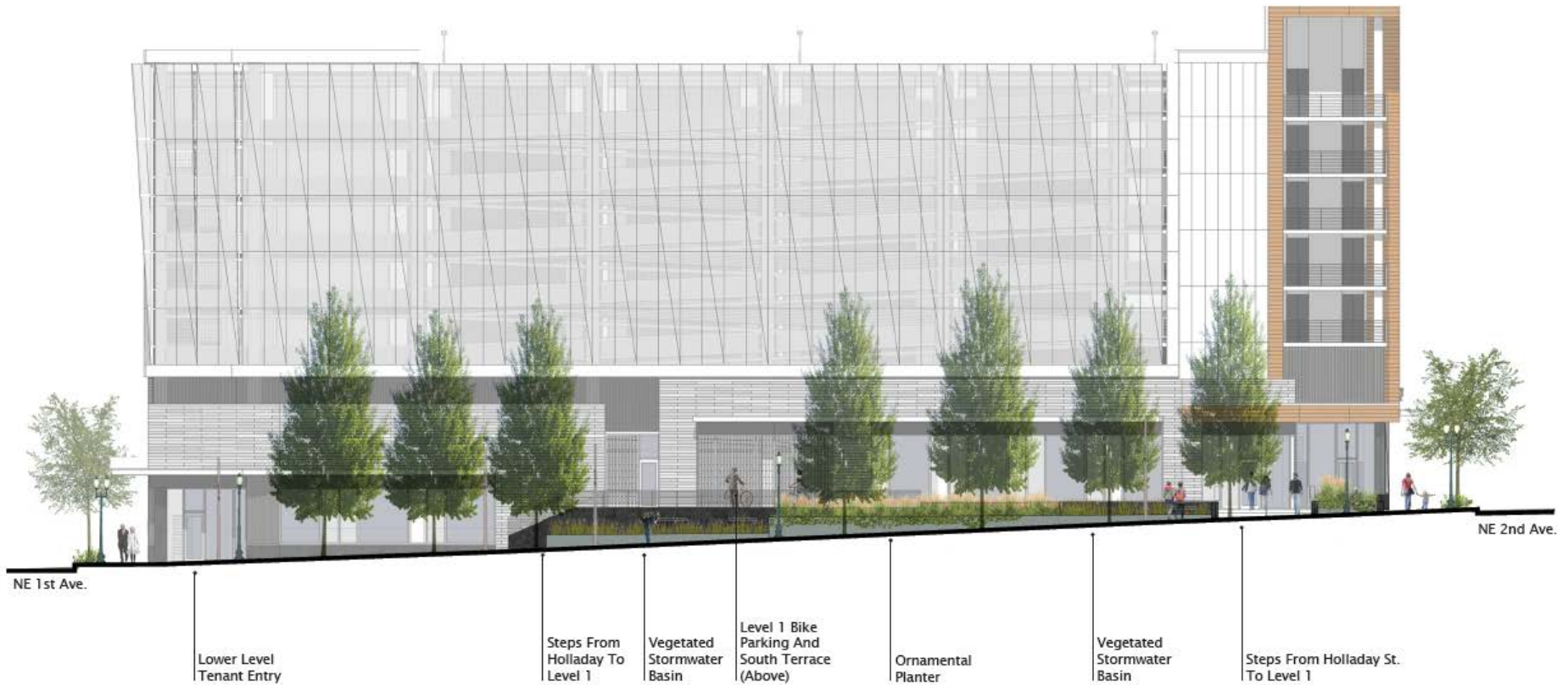
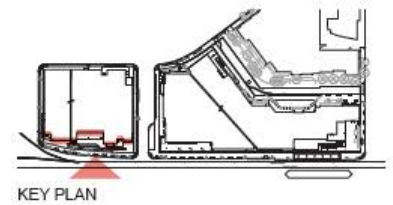
- ① LRT Station Platform
- ② SE Entry Plaza
- ③ Bus Stop, Existing
- ④ Street Trees, Proposed
- ⑤ Street Trees, Existing
- ⑥ Concrete Sidewalk, Typ.
- ⑦ Hotel Entry and Vehicular Drop-off
- ⑧ Hotel Group Entry and Bus Loading
- ⑨ Service and Loading Area
- ⑩ Curb Extension and Ornamental Planting
- ⑪ SW Entry Court
- ⑫ Brick Paving at Sidewalk and Crosswalk
- ⑬ Level 3 Club Terrace/Intensive Planters
- ⑭ Level 1 Private Dining Terrace
- ⑮ Raised Planters (Height Varies), Typ.
- ⑯ Rain Garden



Design - landscape



Design - landscape



Project schedule

End of April 2017 – Bond Issuance

Mid May 2017 – Closing

May 2017 – Begin site prep, abatement and demo

July 2017 – Construction begins

September 2019 – Hyatt inspection/handover

December 2019 – Hyatt Regency Portland Grand Opening



Arts and conference centers

Garbage and recycling

Land and transportation

Oregon Zoo

Parks and nature

oregonmetro.gov



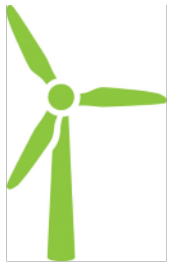
Metro



2016 Sustainability Report MERC Commission Meeting

January 4, 2017

Metro Sustainability Goals



Reduce Carbon

Reduce GHG emissions 80% below 2008 levels.

Prevent Waste

Recover all waste and reduce waste generation.

Choose nontoxic

Eliminate priority toxic and hazardous substances.

Conserve water

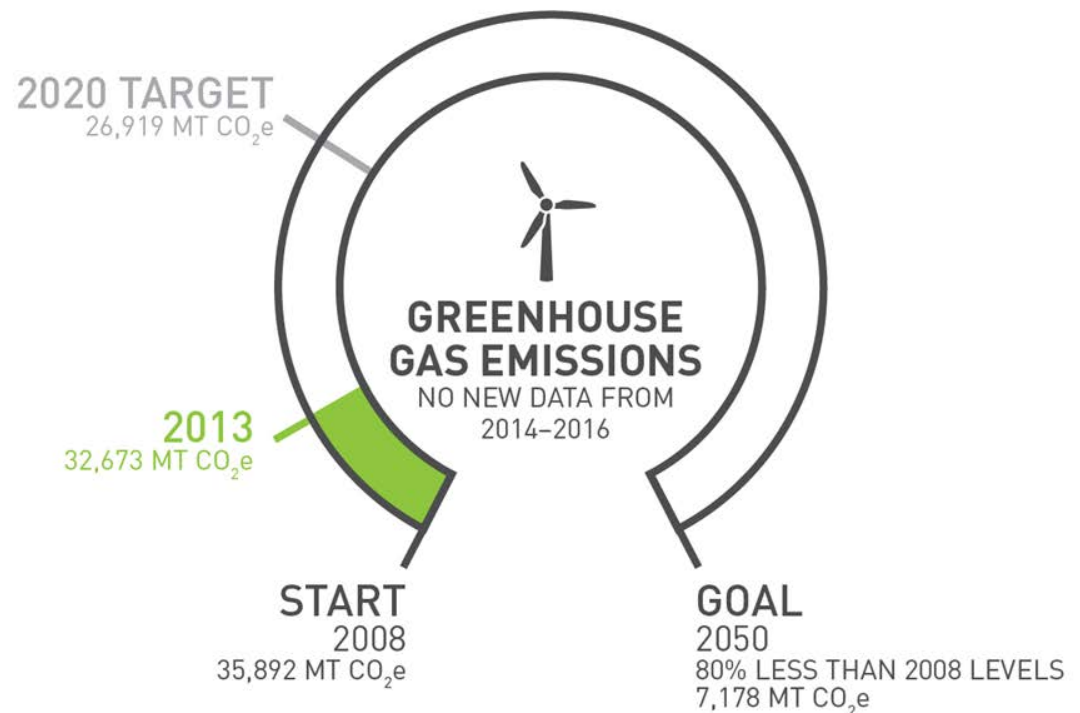
Reduce water use by 50% below 2008 levels.

Enhance habitat

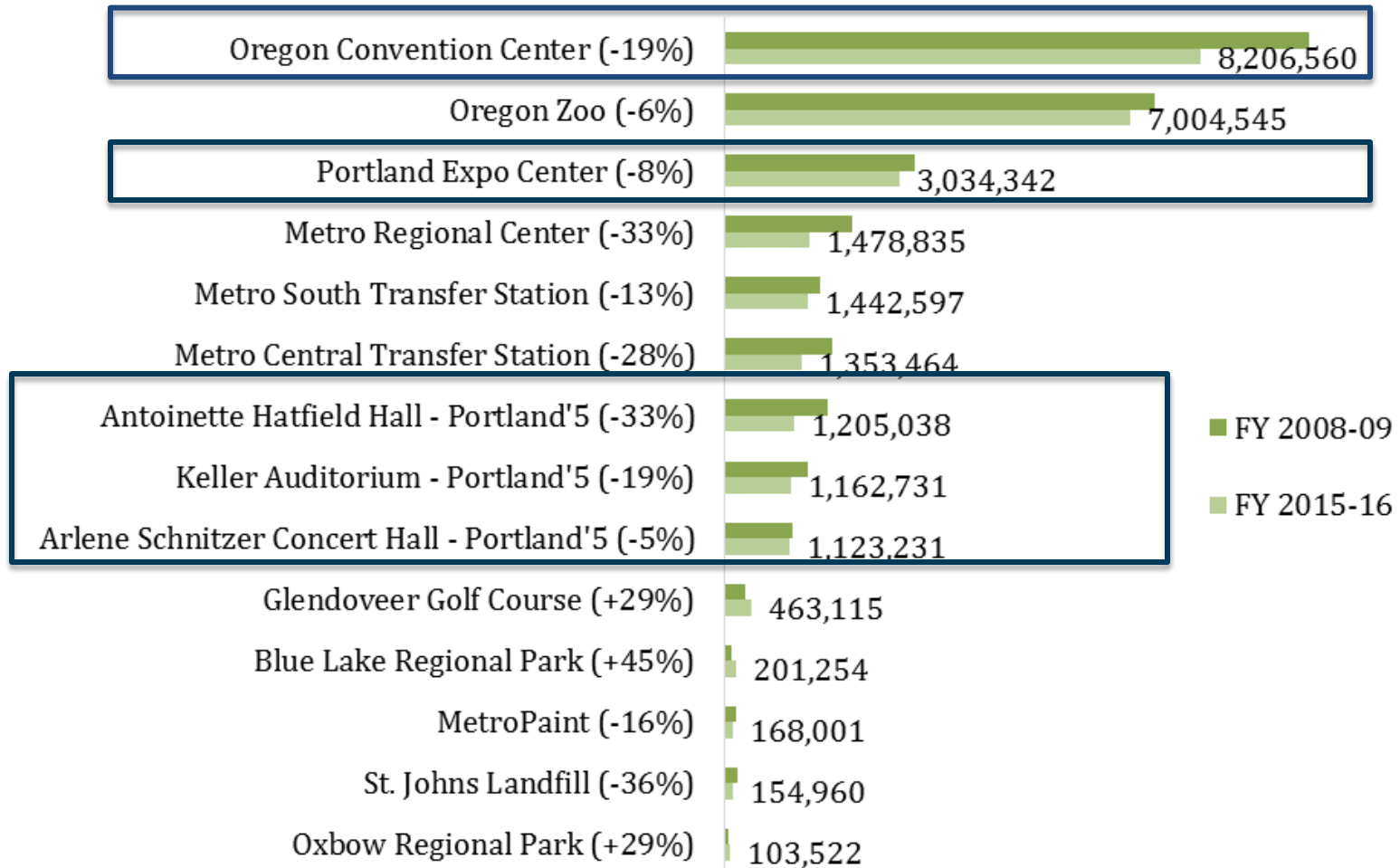
Developed properties contribute to urban ecosystems and watersheds.

Reduce greenhouse gas emissions

- Electricity use down 15%
- Natural gas use down 33%



Electricity usage FY15-16



Portland's energy upgrades

- Replaced HVAC control system at Schnitzer
- Replaced old, inefficient rooftop cooling unit at Schnitzer
- Upgraded stage work lights with LEDs at Keller



OCC solar array

2 megawatts

Largest convention
center rooftop
solar array

Expected to
produce 25-30% of
OCC's electricity



Choose nontoxic

- 78% of products considered toxic in one or more category
- 7% of products considered toxic in all 6 categories - the “worst of the worst”



Choose nontoxic

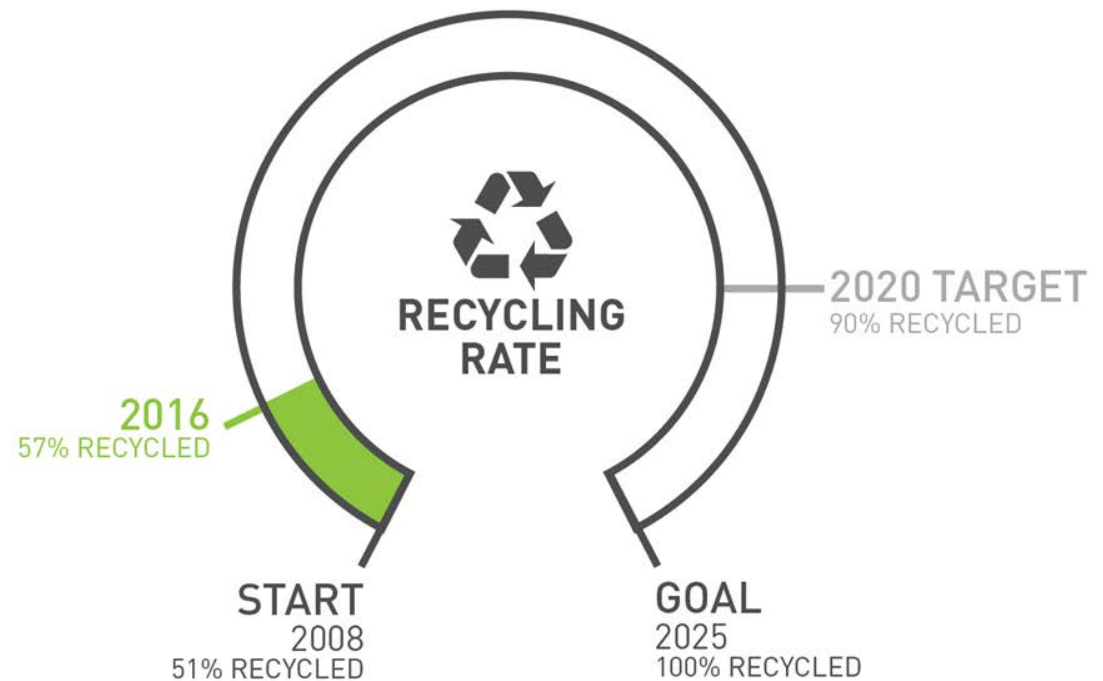
FY 2015-16 number and percentage of products rated high hazard in Metro's inventory

	Total products in inventory	Products considered toxic in one or more category	Products considered "worst of the worst"
FY 2014-15	2,402	1,772 (74%)	160 (7%)
FY 2015-16	1,554	1,206 (78%)	107 (7%)
<i>Difference</i>	-848	-566	-53

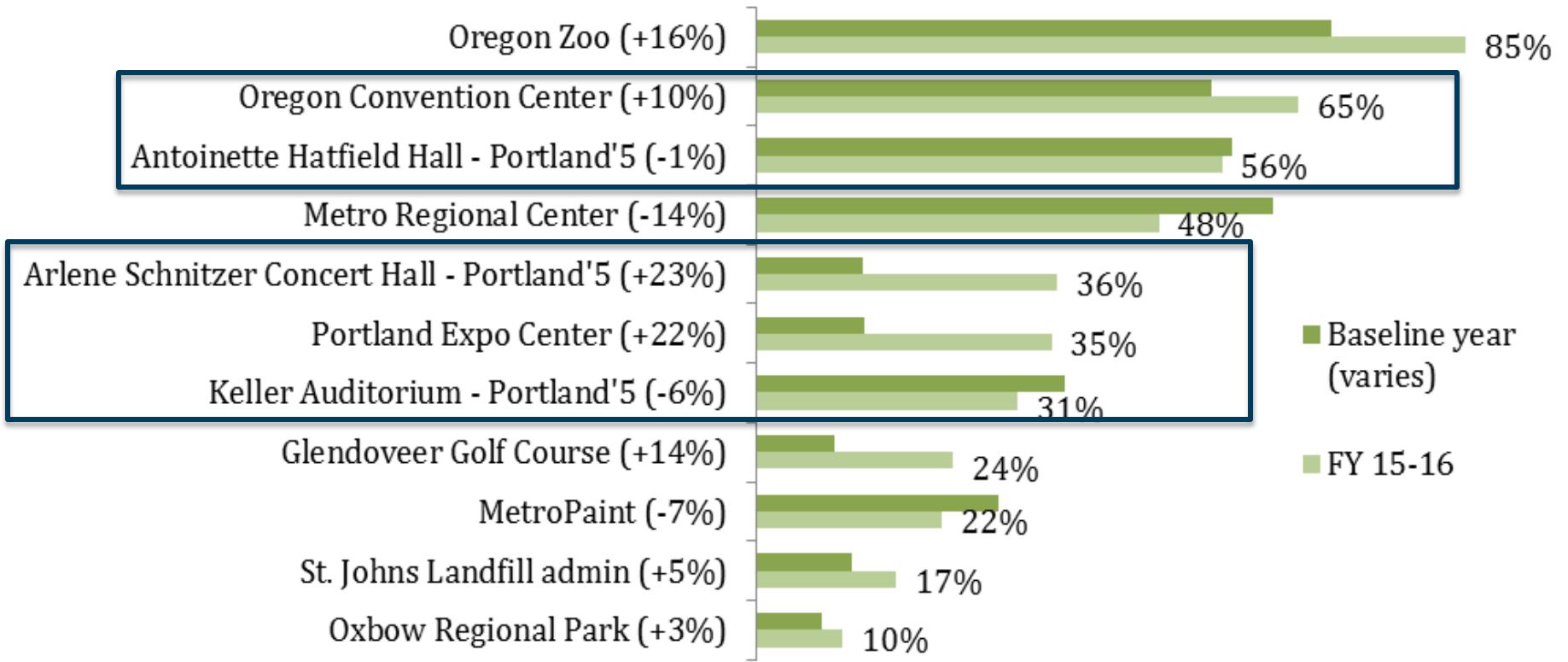
Increase recycling

57% recycling rate

51% baseline

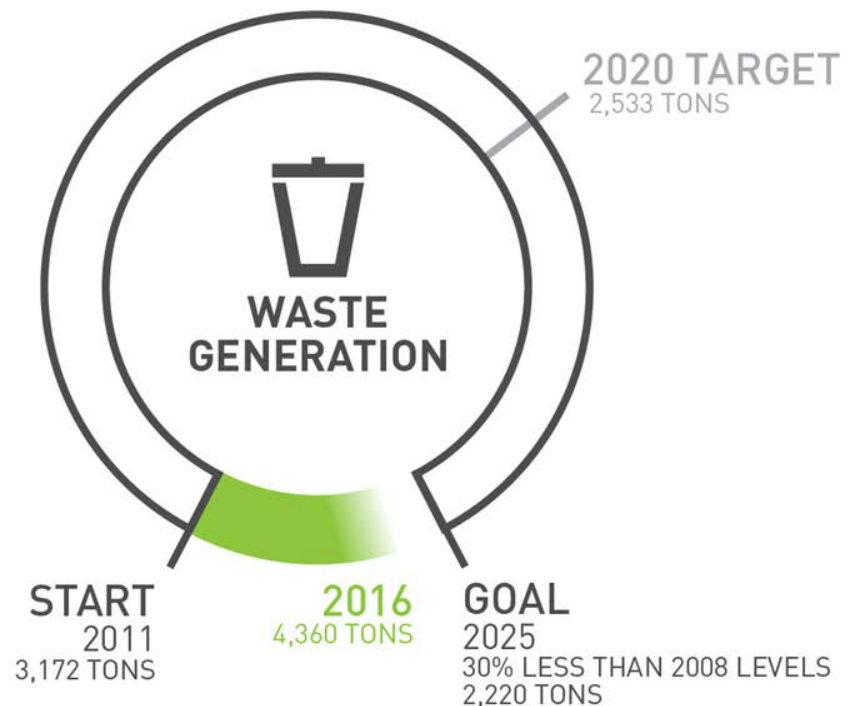


Recycling rate



Reduce waste

Waste generation
37% higher than
baseline



Waste reduction

Oregon Convention Center increased donations of usable materials from events by 425% from the previous year



More waste reduction projects

OCC: purchased water bottles made in WA with recycled aluminum

Hatfield Hall: installed drinking fountain with bottle filler

Expo: 8 new recycling bins in public areas



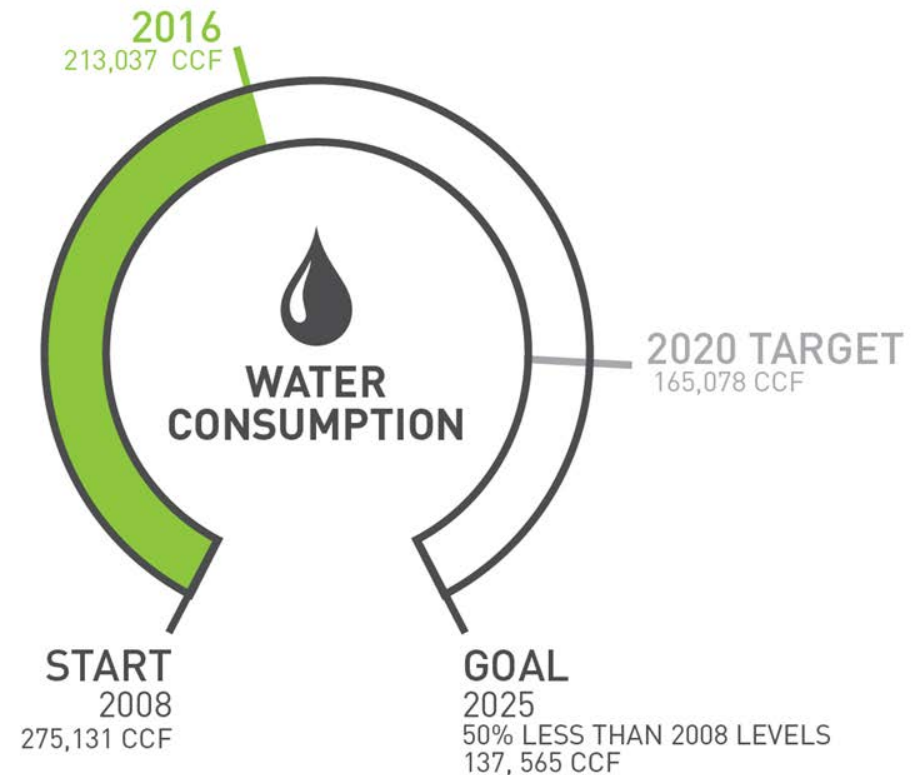
Conserve water

213,037 CCF

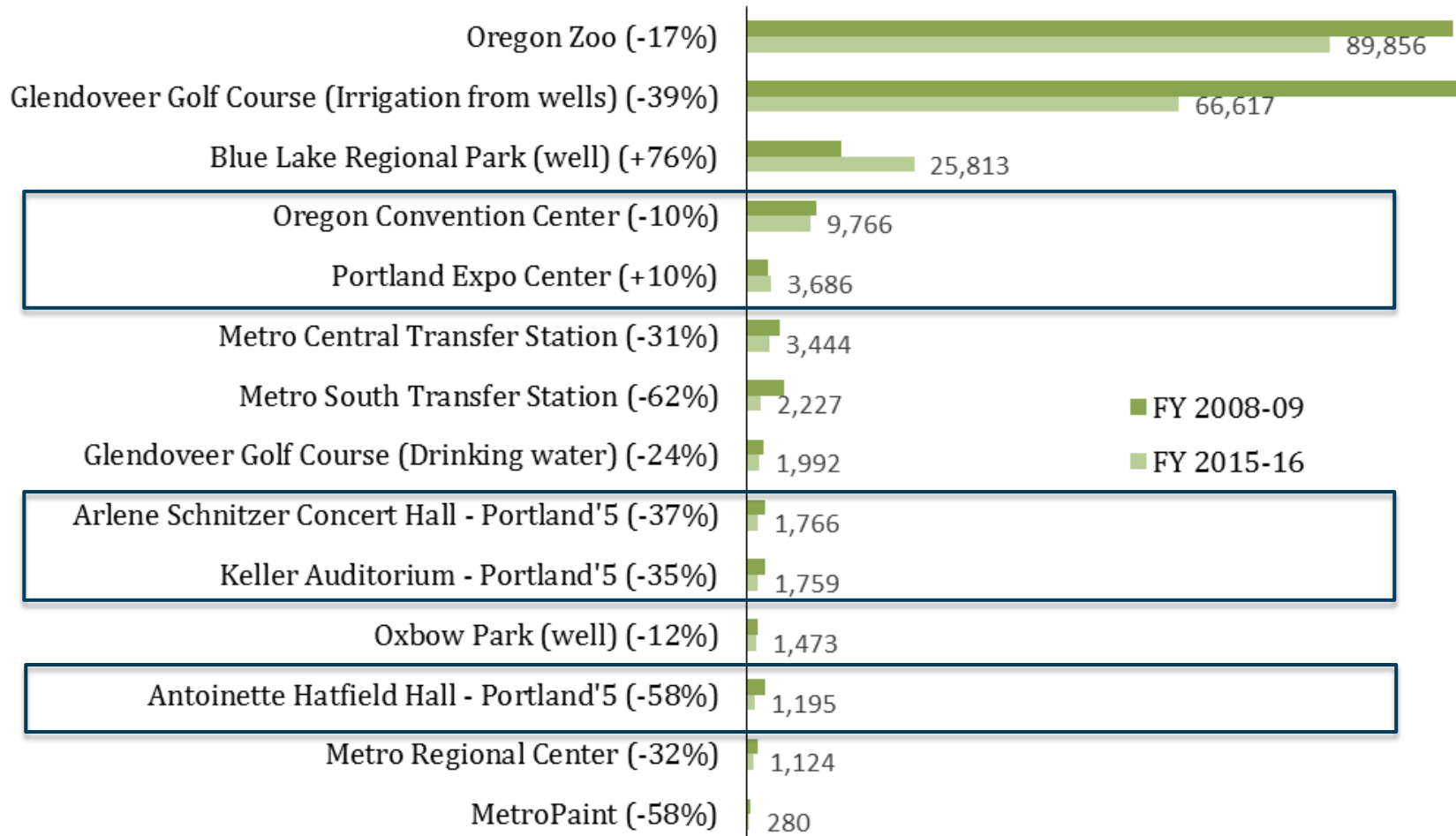
= 159 million gallons

= 250x Olympic pool

23% less than
baseline



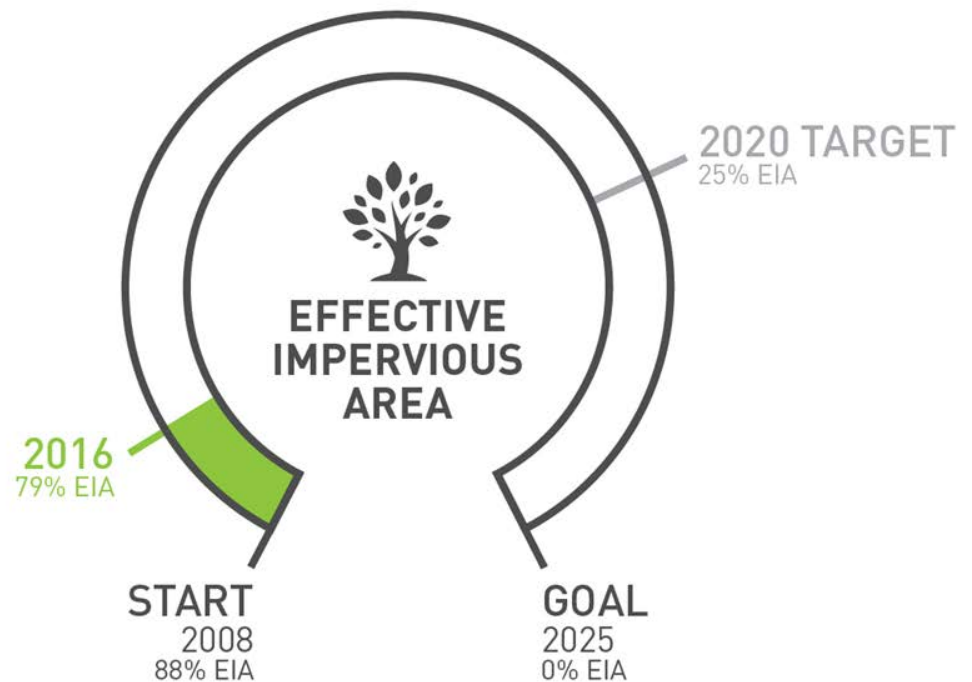
FY 2015-16 water use



Enhance habitat and stormwater

79% effective
impervious area

Indicates untreated
stormwater flowing
directly to waterway



Enhance habitat and stormwater

Zero EIA at Expo
would bring total EIA
down to 53%



Enhance habitat and stormwater

Zero EIA at Expo & the Zoo would bring total EIA down to 40%



Enhance habitat and stormwater

Zero EIA at Expo, Zoo & OCC would bring total EIA down to 31%



Utility use per visitor - OCC

Oregon Convention Center - Sustainability Indicators Dashboard

	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY15-16	% change over baseline
Electricity (kWh)	10,070,371	10,690,641	10,584,885	9,277,110	8,729,443	7,288,101	7,460,418	8,206,560	-19%
Natural Gas (therms)	193,433	177,651	218,199	218,478	180,077	131,840	102,825	102,346	-53%
Water (CCF or 748 gallons)	10,818	11,016	9,113	8,963	11,064	9,427	8,808	9,766	-10%
Waste generation (tons)	472	547	660	568	580	528	593	664	41%
Recycling Recovery Rate	54.7%	56.4%	67.3%	69.0%	69.1%	67.5%	63.4%	65.0%	10%
Stormwater (% Effective Impervious Area)	69%	69%	69%	69%	69%	69%	69%	69%	0.0%
Toxics (% high hazard)							74%	79%	5%
Visitors	863853	857572	889062	834243	919350	864022	914464	978432	
Electricity (kWh) per visitor		12	12	11	9	8	8	8	
Natural Gas (therms) per visitor		0.2	0.2	0.3	0.2	0.2	0.1	0.1	
Water (GALLONS) per visitor		9.6	7.7	8.0	9.0	8.2	7.2	7.5	
Waste generation (POUNDS) per visitor		1.3	1.5	1.4	1.3	1.2	1.3	1.4	

Energy Trust Incentives

Metro has received
over \$2.6M in
incentives to date

269 projects



Looking ahead

- Energy Assessment actions
- **Deep energy retrofits**
- **Renewable energy**
- **Green fleet**
- Plug loads
- **Supply chain**

GHGs



- **Replace “worst of the worst”**
- **“Do not buy” list**
- Purchasing guides
- Education & outreach
- IPM implementation

Toxics



- Facility-specific waste plans
- **Visitor and event-driven waste**
- **Switch to reusable and recyclable materials**
- GoBox

Waste



- **Water audits**
- **Retrofits**
- Smart irrigation
- Water conservation training

Water



- **Bioswales - Expo parking lot, Zoo**
- **Ecoroofs**
- Habitat-friendly practices

Habitat



- Add equity goals to Sustainability Plan
- **Integrate equity into operations**
- Develop equity lens

Equity



Looking ahead

- Energy Assessment actions
- **Deep energy retrofits**
- **Renewable energy**
- **Green fleet**
- Plug loads
- **Supply chain**

GHGs



Looking ahead

- **Phase out “worst of the worst”**
- **“Do not buy” list**
- Purchasing guides
- Education & outreach
- IPM implementation

Toxics



Looking ahead

- Facility-specific waste plans
- **Visitor and event-driven waste**
- **Switch to reusable and recyclable materials**
- GoBox

Waste



Looking ahead

- **Water audits**
- **Retrofits**
- Smart irrigation
- Water conservation training

Water



Looking ahead

- **Bioswales - Expo parking lot, Zoo**
- **Ecoroofs**
- **Habitat-friendly practices**

Habitat



Looking ahead

- Add equity goals to Sustainability Plan
- **Integrate equity into operations**
- Help develop department/venue equity action plans
- Develop equity lens

Equity



Thank you!



Jenna Garmon
Sustainability Coordinator

503-797-1649
jenna.garmon@oregonmetro.gov

oregonmetro.gov



January

AS OF: 1/6/2017 16:05

		Tentative calendar for the month of					Tentative calendar for the month of	
		SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ASCH		1	2	3	4	5	6	7 OSO Special Nadja & the 4 Seasons 7:30pm
KA				Broadway Across America Finding Neverland 7:30pm	Broadway Across America Finding Neverland 7:30pm	Broadway Across America Finding Neverland 7:30pm	Broadway Across America Finding Neverland 7:30pm	Broadway Across America Finding Neverland 2:00pm and 7:30pm
NMK								
WIN								
AHH					MERC Commission Meeting 12:45pm BT			
OCC	EXPO						Build Remodel Lndscope	Build Remodel Lndscope
ASCH		8	9	10	11	12	13	14 OSO Classical #8 The Pines of Rome 7:30pm
KA		Broadway Across America Finding Neverland 1:00pm and 6:30pm				AEG Miranda Sings 8:00pm		
NMK							OCT Fly Guy: The Musical 7:00pm Open Rehearsal	OCT Fly Guy: The Musical 2:00pm and 5:00pm
WIN								
AHH			Portland'5 Centers for the Arts Noontime Showcase Two Spirit Jazz 12:00pm Rotunda					
OCC	EXPO	Build Remodel Lndscope Signature Equipo Rose City Gun Show	Food Processors	Food Processors	Food Processors	Boat Show	Boat Show	Boat Show
ASCH		15 OSO Classical #8 The Pines of Rome 2:00pm	16 OSO Classical #8 The Pines of Rome 7:30pm	17 Portland'5 Presents Incredible Journey of Jazz 11:00am Student Perf	18	19 OSO Special DeVotchKa 7:30pm	20	21 OSO Special Harry Potter 7:30pm
KA							Broadway Across America Rent 7:30pm	Broadway Across America Rent 2:00pm and 7:30pm
NMK		OCT Fly Guy: The Musical 11:00am and 2:00pm		Portland'5 Presents The Hot Sardines 7:30pm	OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT/Fly Guy 9:45am and 11:45am P'5 Presents Pablo Sainz Villegas 7:30pm	OCT Fly Guy: The Musical 2:00pm and 5:00pm
WIN								
AHH								
OCC	EXPO	Bridal Show/R. v. Wade Aloha Championships Boat Show	Tektronix	Tektronix	Tektronix	Tektronix US Bank Meeting Dog Show	Tektronix ChocolateFest Dog Show	ChocolateFest Dog Show
ASCH		22 OSO Special Harry Potter 2:00pm	23	24 White Bird BalletBoyz 7:30pm	25 White Bird BalletBoyz 7:30pm	26 PAL Michael Lewis 7:30pm	27	28 OSO Classical #9 Tchaikovsky 7:30pm
KA		Broadway Across America Rent 1:00pm and 6:30pm						
NMK		OCT Fly Guy: The Musical 11:00am and 2:00pm			OCT/Fly Guy 9:45am and 11:45am P'5 Presents Nat'l Geo Hillaree O'Neill 7:30pm	OCT/Fly Guy 9:45am and 11:45am Double Tee Kathy Griffin 8:00pm	OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT Fly Guy: The Musical 2:00pm and 5:00pm
WIN								
AHH								
OCC	EXPO	ChocolateFest Dog Show		Auto Show NW Ag Show	Auto Show NW Ag Show	Auto Show NW Ag Show	Auto Show	Auto Show Train Show
ASCH		29 OSO Classical #9 Tchaikovsky 7:30pm	30 OSO Classical #9 Tchaikovsky 7:30pm	31				
KA				Broadway Across America The Illusionists 7:30pm				
NMK		OCT Fly Guy: The Musical 2:00pm		OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time				
WIN								
AHH								
OCC	EXPO	Auto Show Train Show						

NOTE: ALL LISTED EVENTS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ASCH = Arlene Schnitzer Concert Hall KA = Keller Auditorium NMK = Newmark Theatre WIN = Dolores Winningstad Theatre AHH = Antoinette Hatfield Hall BT = Brunish Theatre

February

AS OF: 1/6/2017 16:05

		Tentative calendar for the month of				Tentative calendar for the month of				
		SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY		
ASCH					OSO Presentation 1 Kodo 7:30pm					OSO Classical #10 4 Dvorak's New World 7:30pm
KA					Broadway Across America The Illusionists 7:30pm	Broadway Across America The Illusionists 7:30pm	Broadway Across America The Illusionists 7:30pm	Broadway Across America The Illusionists 2:00pm and 7:30pm		
NMK					OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT Fly Guy: The Musical 2:00pm and 5:00pm		
WIN										
AHH										
OCC	EXPO				Signing Day	Bible Study Fellowship	Bible Study Fellowship Seafood & Wine Valdivia Entertainment	Bible Study Fellowship Seafood & Wine Chinese NY/TET Fest		
ASCH		OSO Classical #10 5 Dvorak's New World 2:00pm	OSO Classical #10 6 Dvorak's New World 7:30pm	OSO Youth Concerts 7 9:35am and 11:05am Two shows, one call time	PYP Youth Concerts 8 9:45am and 11:30am Two shows, one call time	OSO Youth Concerts 9 9:35am and 11:05am Two shows, one call time	Icon Entertainment 10 A. Cooper/A. Cohen 8:00pm			
KA		Broadway Across America The Illusionists 1:00pm and 6:30pm		Innovation Arts/Enter. Odd Squad 7:00pm	Seattle Theatre Group Sarah Silverman 8:00pm					
NMK		OCT Fly Guy: The Musical 2:00pm		OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT Fly Guy: The Musical 9:45am and 11:45am Two shows, one call time	OCT Fly Guy 9:45am & 11:45am Vital Life Laughter is the Best Medicine 8:00pm	OCT Fly Guy: The Musical 2:00pm and 5:00pm		
WIN			Portland'5 Volunteer Dinner/Variety Show 7:00pm							
AHH										
OCC	EXPO				NW Apparel/Footwear OSU Luncheon Sportsmen's Show	NW Apparel/Footwear Sportsmen's Show	Sportsmen's Show	Comcast Holiday Party Food by Nature Expo Sportsmen's Show		
ASCH		OSO Kids #2 12 Pied Piper of Portlandia 2:00pm		OSO Special 14 Storm Large Valentine 7:30pm		PAL 16 Tracy K. Smith 7:30pm	Double Tee 17 Experience Hendrix 8:00pm	OSO Pops #3 18 Tango Caliente 7:30pm		
KA							OBT Swan Lake 7:00pm Open Rehearsal	OBT Swan Lake 7:30pm		
NMK		OCT Fly Guy: The Musical 2:00pm	Portland'5 Presents Naturally 7 7:30pm	Ugly Productions, Inc. Sarah Colonna 7:30pm	Portland'5 Presents Avi Avital /Dover Quartet 7:30pm	Portland'5 Presents Branford Marsalis 7:30pm	PDX Jazz Maria Schneider Orchestra 7:00pm	PDX Jazz Heath Bros/Sax Appeal 7:00pm		
WIN							PDX Jazz Ralph Peterson 9:30pm	PDX Jazz/Kneebody 3:00pm PDX Jazz/The Cookers 6:00pm		
AHH						Stumptown Stages Rock of Ages 7:30pm BT	Stumptown Stages Rock of Ages 7:30pm BT	Stumptown Stages Rock of Ages 2:00pm & 7:30pm BT		
OCC	EXPO	Food by Nature Expo Sportsmen's Show				Multifamily NW Signature Equipo	Wizard World	Wizard World Kid Fest CW Gun Show		
ASCH		OSO Pops #3 19 Tango Caliente 3:00pm	OSO Special 20 The Music of Prince 7:30pm		Whitebird 22 Ballet de Lorraine 7:30pm	Live Nation 23 John Mulaney 8:00pm		OSO Classical #11 25 Elgar's Enigma 7:30pm		
KA		OBT Swan Lake 2:00pm				OBT Swan Lake 12:00pm Student Perf 7:30pm	OBT Swan Lake 7:30pm	OBT Swan Lake 2:00pm and 7:30pm		
NMK						Portland'5 Presents Mariachi Flor de Toloache 8:00pm		Portland'5 Presents Ethan Russell 7:30pm		
WIN		PDX Jazz John Abercrombie 3:00pm					OCT Flora & Ulysses 7:00pm Open Rehearsal	OCT Flora & Ulysses 2:00pm and 5:00pm		
AHH		Stumptown Stages Rock of Ages 2:00pm BT				Stumptown Stages Rock of Ages 7:30pm BT	Stumptown Stages Rock of Ages 7:30pm BT	Stumptown Stages Rock of Ages 2:00pm & 7:30pm BT		
OCC	EXPO	Wizard World Kid Fest CW Gun Show	Wine Symposium	Wine Symposium	Wine Symposium		Golf Show	Golf Show/Freedom Rally Catholic Charities Spring Home & Garden		
ASCH		OSO Classical #11 26 Elgar's Enigma 7:30pm	OSO Classical #11 27 Elgar's Enigma 7:30pm							
KA				Broadway Across America Matilda 7:30pm						
NMK			August Wilson Monologue Competition 7:00pm							
WIN		OCT Flora & Ulysses 11:00am and 2:00pm		OCT Flora & Ulysses 9:45am and 11:45am Two shows, one call time						
AHH		Stumptown Stages Rock of Ages 2:00pm BT								
OCC	EXPO	Golf Show Expo Quinceanera Spring Home & Garden								

NOTE: ALL LISTED EVENTS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ASCH = Arlene Schnitzer Concert Hall KA = Keller Auditorium NMK = Newmark Theatre WIN = Dolores Winningstad Theatre AHH = Antoinette Hatfield Hall BT = Brunish Theatre