

South Bay Cities Council of Governments

December 11, 2017

TO: SBCCOG Steering Committee

FROM: Jacki Bacharach, SBCCOG Executive Director
Kim Fuentes, Deputy Executive Director

SUBJECT: Environmental Activities Report – November 2017

Adherence to Strategic Plan:

Goal A: Environment, Transportation, and Economic Development. Facilitate, implement, and/or educate members and others about environmental, transportation, and economic development programs that benefit the South Bay.

I. PROGRAMS - TECHNOLOGY, PLANNING, & RESEARCH

Climate Action Planning

Strategic Growth Council (SGC) Grant

- **City CAP** - Presentations on the city CAPs are being made at city council and some commission meetings. El Segundo and Carson have approved their city CAPs as of the end of Nov. Final documents are being prepared for web posting and access to GHG reduction estimation web tool will be available to all cities.
- **December 13, 2017 Forum on Innovative Changes to Climate Action Planning** featuring the Sustainable South Bay Strategy and how it was used to provide additional strategies to traditional CAPs. Materials are being developed for the Forum representing EV studies, emissions, and strategies; presentations and content, as well as implementation guides for NOD and PEVs. The Emissions Guide feedback from consultants have been incorporated. In addition, the Shared Mobility Report from our consultants has been reviewed and feedback has been provided.

Energy Efficiency

Energy Efficiency Partnership Program – Southern California Edison (SCE)

2017 Energy Saving Goal: 1,245,812 kWh **2017 Status:** 485,537 **Goal:** 92% achieved

2017 Demand Reduction Goal: 78 kW **Goal:** 132 kW exceeded

The SBCCOG staff along with our energy engineer have been working with the cities of Carson, Inglewood, Rolling Hills Estates, Gardena, and Torrance to help facilitate project completion so that the cities will not lose incentive funding or related benefits. In addition, SBCCOG staff has been coordinating with SCE to help ensure projects completed by their December 31, 2017 deadline will receive incentive funds. Other city energy efficiency projects have contributed significant energy savings which will bring the SBCCOG kWh achieved to **92% of goal**. In addition, staff continues to work with other cities as needed to help facilitate energy efficiency projects including municipal direct install projects. Elected officials can continue to help the SBCCOG meet Edison goals by discussing projects with their staff, supporting project delivery, and notifying the SBCCOG staff of upcoming projects.

The following is a list of “pipeline” projects specific to electricity (note: gas co-benefit savings are listed where applicable). Each city’s Energy Leader Partnership (ELP) program status is also included.

PIPELINE TOTALS

City	Current ELP Tier Level	Energy Efficiency Measures (EEMs)	Estimated Completion Date	Estimated kWh savings	Estimated Therm Savings (co-benefit)	Estimated Incentive (\$)
Carson	Gold	Lighting/Pool Boiler/Water Heater/VFD	Q4 2017	28,578	4,500	\$6,144
		Pool Pump VFD	Q4 2017	51,758	n/a	\$11,646
		Exterior & Interior Lighting	Q1 2018	688,002	n/a	\$108,758
		LED Streetlights	Q4 2017	588,596	n/a	\$234,752
Gardena	Gold	Exterior & Interior Lighting	Q2 2018	78,125	n/a	\$13,281
		Exterior & Interior Lighting	Q2 2018	284,534	n/a	\$24,626
Hermosa Beach	Gold	Exterior & Interior Lighting	Q4 2017	296,140	n/a	\$38,927
Inglewood	Gold	LED Streetlights	Q4 2017	646,254	n/a	\$396,830
		Elevator Motor-Generator Set	Q1 2018	121,900	n/a	\$29,007
		Chiller VFD/HVAC Controls	Q1 2018	291,870	11,035	\$115,022
Manhattan Beach	Platinum	Exterior LED Lighting	Q4 2017	55,305	n/a	\$13,890
Rancho Palos Verdes	Gold	LED Streetlights	Q4 2017	38,269	n/a	\$6,506
		LED LS-1 to LS-2 Conversion	Q2 2019	557,976	n/a	\$240,992
Redondo Beach	Gold	LED Lighting	Q4 2017	132,020	n/a	\$22,443
Redondo Beach	Gold	LED Lighting	Q4 2017	39,606	n/a	\$6,733
Rolling Hills Estates	Gold	LED Streetlights	Q4 2017	58,409	n/a	\$10,327
Torrance	Gold	LED Lighting	Q1 2018	837,954	n/a	\$164,370
		Exterior & Interior LED Lighting	Q4 2017	125,300	n/a	\$21,301
		Interior LED Lighting	Q4 2017	26,718	n/a	\$10,482
		VFD & Pump Motor	Q1 2018	172,003	n/a	\$29,240
Total				5,119,317	15,535	\$1,505,277.00

Energy Efficiency Partnership Program – Southern California Gas Company (SCG)

2017 Goal: 10,000 therms **2017 Status:** 22,066 therms

2017 Incentives Received: \$33,001

The following is a list of gas specific “pipeline” projects along with their status:

South Bay Partnership (2016-2017 Program Cycle Projects)						
Agency	Project	Therm Savings	Incentive	Project completion	Comments	
Palos Verdes USD	Pool Cover	8,540	\$ 10,248	2015		
City of Inglewood	Replace 4x boilers	TBD	TBD		No application in house	
City of Carson	boiler	2,718	\$6,750.00	2017	21411 Orrick	
City of Carson	Tankless Water Heater Replacement	1,058	?	2012	801 E Carson	
Inglewood USD	Pool heater	1,500	\$1,538	2017	10500 Yukon Av	
Inglewood USD	Pool heater	1,980	\$2,030	2017	231 Grevillea	
Redondo Beach USD	pool cover	6,270	\$12,435	2017	631 Vincent Park	
Total Therms Identified 2017		22,066	\$ 33,001			

Question mark indicates that incentive amount is unknown at this time, but will be available once project is signed off by utility.

Renewable South Bay

Renewable South Bay activities (solar outreach to the community as well as working with cities to obtain solar permit information):

The SBCCOG, in conjunction with Renovate America, is hosting an Information Session for Minority, Women, and Veteran-owned businesses in the residential construction industry on December 6th at the SBESC office.

Attendees will learn about:

- What is Renewable South Bay
- How to work with Renovate America
- What personalized support can be offered by Renovate America to grow their business

HERO – PACE: SBCCOG continues to promote PACE financing for homeowners. The spreadsheet below covers the activity from each South Bay members’ jurisdiction since the launch date through October 31, 2017. Proceeds from HERO for 2017 Q3 = \$1,247.81. Proceeds for 2017 Q4 are expected in January 2018. Total since program start in 2014 = \$26,401.39. Payments to SBCCOG are based on HERO programs that are completed in the South Bay.

Activity through October 2017 listed below:

Member	Launch Date	Eligible Housing Units *	Total Applications Received	Applications Approved	Approved Amount	Funded Projects	Funded Amount	Jobs Created***	Type of Products			Solar kW Installed	Annual kWh Saved	Annual CO2 Reduced (Tons)
									Energy	Water	Renewable			
Carson	5/23/14	21,375	1,763	1,184	\$81,970,484	663	\$17,143,361	146	1,116	64	171	391	4,074,833	1,001
El Segundo	5/23/14	4,209	50	41	\$6,998,578	24	\$629,058	5	30	4	8	18	168,929	41
Gardena	5/23/14	12,360	621	425	\$29,036,669	224	\$5,596,326	48	351	23	34	68	1,042,153	254
Hawthorne	5/23/14	11,621	476	345	\$27,172,597	191	\$4,347,235	37	295	8	36	72	955,607	235
Hermosa Beach	5/23/14	6,473	53	40	\$8,413,706	18	\$368,443	3	20	0	8	18	89,389	23
Inglewood	5/23/14	19,038	1,227	823	\$56,780,890	452	\$11,609,683	99	730	44	46	105	2,071,073	503
Lawndale	5/23/14	5,262	130	85	\$6,366,560	42	\$932,103	8	68	5	10	21	214,919	54
Lomita	5/23/14	4,606	95	81	\$7,726,040	41	\$986,151	8	65	6	12	36	308,622	76
Manhattan Beach	5/28/15	12,403	87	77	\$17,400,668	37	\$1,195,259	10	65	6	22	77	410,620	105
Palos Verdes Estates	5/28/15	5,115	35	31	\$6,812,522	10	\$527,780	4	16	3	4	11	78,276	20
Rancho Palos Verdes	5/23/14	14,759	206	183	\$29,694,328	82	\$2,235,668	19	126	5	16	59	619,247	150
Redondo Beach	3/24/15	20,292	179	148	\$19,633,298	77	\$1,540,328	13	112	3	18	37	426,128	105
Rolling Hills	5/23/14	698	6	6	\$1,631,678	2	\$119,637	1	2	0	0	0	995	0
Rolling Hills Estates	5/23/14	3,090	40	35	\$6,701,004	20	\$673,760	6	26	2	8	35	193,244	49
Torrance	5/23/14	37,899	685	566	\$60,864,611	312	\$7,113,681	60	436	32	96	232	1,815,677	452
Total		179,200	5,653	4,070	\$ 367,203,634	2,195	\$ 55,018,472	467	3,458	205	489	1,182	12,469,712	3,066

* Eligible housing units based off Total Single Family Homes minus 5 units or more from the Department of Finance City/County Population and Housing Estimates, #W/2013.

*** 1 job for every \$117,000 invested.

YGRENE – PACE

Just as the agreement with HERO, the SBCCOG receives a small amount of funding for Ygrene activities in the South Bay in return for promoting PACE. Ygrene payments to the SBCCOG for 2017 are \$1,874.50 to date. Since the program started in 2016 payments have totaled \$5,065.37. Payments to SBCCOG are based on Ygrene programs that are completed in the South Bay. City breakdown by project listed below for activity through October 2017:

Ygrene Energy Fund South Bay Cities Council of Governments																				
2017 October																				
Project Type		Residential						Commercial						Project Type						
District	Launch Date	# Apps	Eligible Amount	# Approvals	Approved Amount	# Completed Contracts	Completed Contract Amount	# Apps	Eligible Amount	# Approvals	Approved Amount	# Completed Contracts	Completed Contract Amount	Jobs Created	Energy	Water	Renewable	Solar MW Installed	Lifetime kWh Saved	Lifetime CO2 Reduced (Mons)
Carson	10/6/2015	12	\$1,006,030	9	\$1,638,138	8	\$238,986	0	\$0	0	\$0	0	\$0	4	5	0	3	0.01	2	287
Inglewood	8/8/2017	17	\$1,676,609	15	\$2,139,544	9	\$427,743	0	\$0	0	\$0	0	\$0	6	5	4	0	0.03	3	513
Gardena	1/12/2016	9	\$673,628	7	\$717,329	2	\$84,830	0	\$0	0	\$0	0	\$0	1	0	2	0	0.01	1	102
Hawthorne	10/13/2015	10	\$891,756	8	\$1,188,192	5	\$161,662	1	\$173,113	1	\$173,113	0	\$0	2	3	2	0	0.01	1	194
Lomita	8/26/2015	1	\$114,370	1	\$114,370	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
Redondo Beach	1/19/2016	1	\$196,214	1	\$322,813	2	\$87,467	0	\$0	0	\$0	0	\$0	1	1	0	1	0.01	1	105
Rolling Hills Estates	10/13/2015	2	\$417,300	2	\$417,300	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	0
Torrance	10/13/2015	2	\$228,175	1	\$439,844	1	\$45,048	0	\$0	0	\$0	0	\$0	1	1	0	0	0	0	54
Totals		54	\$5,205,342.00	44	\$7,038,730.00	27	\$1,045,736.00	1	\$173,113.00	1	\$173,113.00	0	\$0	15	15	8	4	0.07	8	1,255

Green Building Challenge

The Green Building Challenge (GBC) pilot program focuses on activities for businesses that reduce energy use, water consumption, and waste while maximizing the use of incentives and rebates. The program is funded by Edison, SoCalGas, West Basin Municipal Water District, and Golden State Water. SBCCOG staff has completed a total of 13 ASHRAE Level 1 audits for businesses. Staff continues to contact participants to schedule audits. The November GBC e-newsletter focused on follow-up from October 26th webinar on Green Janitor Education, energy savings tips to prepare your building for winter, and a reminder that equipment operates during unoccupied hours. Standings by city: Torrance (35), Lawndale (26), Redondo Beach (16), El Segundo (15),

Gardena (15), Hawthorne (15), Carson (12), Inglewood (10), Manhattan Beach (8), Palos Verdes Estates (7), Rancho Palos Verdes (7), Hermosa Beach (5), Rolling Hills Estates (4), Lomita (3), Lennox (2), and Los Angeles County – Community of Westmont (1). There is a total of 181 businesses participating in the program as of end of Nov. 2017. Staff is currently working on the year-end report.

Water Conservation

West Basin Municipal Water District Programs (West Basin) Contract year is Sept. 1, 2017 through Aug. 31, 2018

Task 1. Educational Outreach Support

Water Reliability Support Cards

Contract goals: 300 support cards

Status of goal: 82 collected as of end of Nov 2017; 24 cards were collected in November

Task 2. Support for Workshops & Events

Educational Classes

Contract goals: minimum of 12 and a maximum of 24

Status of goals: 1 completed; 1 scheduled (12/5/17)

Rain Barrel Giveaway

Contract goal: 5

Status of goal: 2 scheduled (1/20/18 and 2/10/18); the remaining 3 will be scheduled between March and May 2018

Greywater Workshops

Contract goal: 15 workshops: 5 symposiums and 10 Hands-on-workshops (3 in each Director's division)

Status of goal: tentative dates have been scheduled in March and May 2018

Water Harvest

Contract goal: support West Basin with Water Harvest Event

Status of goal: completed; event was held October 14, 2017.

Task 3. Water Reliability Program

Contract goal: schedule up to 6 Water Reliability related presentations.

Status of goal: waiting for direction from West Basin staff; West Basin speakers' bureau is expected to be up and running in January-February 2018.

Task 4. Cash for Kitchens

Contract goal: target up to 75 institutional facilities (Schools Districts, Cities, Hospitals, Colleges, Community Centers, Churches, and Convalescent Senior Centers) with food service and/or kitchen operations on-site total.

Status of goal: 12 water surveys completed; 4 surveys conducted in November.

Outreach was conducted in the following cities: Hawthorne, Lawndale, and Gardena.

Task 5. Disadvantaged Community (DAC) Water-Energy Initiative Program (Clothes-Washer)

Contract goal: provide outreach to DAC areas within West Basin's service area and provide free installation of high-efficiency showerheads, faucet aerators, and clothes washers.

Status of goal: SBCCOG staff continues identifying potential community groups for outreach in DAC LA County unincorporated communities

Task 6. Translation Services

Contract goal: as needed

Status of goal: translation services were not provided in the month of November.

Torrance Water

Task 1: Support for educational classes and community events

Contract goal: as requested

Status of goal: a rain barrel giveaway event was held on November 18th; 500 rain barrels were distributed to Torrance residents. Torrance has scheduled 3 California Friendly Landscape Training classes in 2018: 1/27/18, 3/10/18, and 4/7/18. Torrance will be hosting the City Yard Open House on 6/2/18.

Task 2: Cash for Kitchens

Contract goal: 10 new commercial kitchens; 10 follow-up site visits

Status of goal: SBCCOG staff is waiting for direction from Torrance staff and the arrival of the water saving devices.

MWD Caucus Meeting

The November meeting included a presentation by Metropolitan Water District staff regarding Metropolitan's Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation Program to avoid ruptures in aging infrastructure. There will be community outreach before work begins.

Water Replenishment District of Southern California (WRD) Contract year is August 24, 2017-March 31, 2018.

Specific goals are not enumerated. SBCCOG staff disseminated WRD's education and information materials in support of WRD's mission, including the 2040 Master Plan and the WRD/Goldsworthy Desalter project to the general public through the SBCCOG communication channels and community events. SBCCOG placed a WRD article focusing on an update of the WRD/Goldsworthy Desalter project in the November SBESC e-newsletter. During the month of November, SBCCOG arranged for WRD Board President, to speak at the November 16, 2017 Board of Directors meeting regarding the WRD 2040 Ground Water Resilience Plan (GRIP) program. WRD Water Independence Now (WIN) Program literature was placed at the SBCCOG's kiosk at the Promenade on the Peninsula shopping center.

Sanitation Districts of LA County (LACSD)

Contract goals: Schedule 5 Sanitation Districts-related presentations to be completed by December 31, 2017

Status of goals: 4 presentations have been completed; staff is reaching out to service clubs to schedule the additional presentation.

Los Angeles Department of Water and Power (LADWP) Contract year is April 1, 2017-December 31, 2017

Contract goals:

- 6-10 targeted special exhibit events
Status of goal: 9 completed; a meeting has been scheduled in November with Los Angeles Gateway Chamber of Commerce to discuss events in Harbor City/Harbor Gateway **Goal met**
- 1 training for SBCCOG Volunteers on LADWP programs
Status of goal: **Goal met** (6/1/17)
- 4-6 commercial kitchens to be identified for water assessments and conservation training
Status of goal: 7 water assessments were completed – 4 on 11/1/17 and 3 on 11/6/17. **Goal met**

Transportation

Vanpool Program (Contract period Feb. 1, 2013 – Nov. 30, 2018)

Contract goals: 72 outreach events; 18 information/formation meetings

Status of goals: 189 outreach events **Goal met**; 8 information/formation meetings

In November, collateral materials were distributed at 8 SBCCOG outreach events. SBCCOG staff participated in the City of Carson's "Calling all Cars" EV drive and ride event. SBCCOG staff followed-up with Enterprise to look for joint vanpool marketing opportunities in the South Bay. Staff continued outreach efforts to follow-up

and schedule vanpool formation meetings with CSUDH as well as to explore vanpool opportunities through the City of Hermosa Beach’s new businesses’ TDM requirements.

Metro Express Lanes (MEL) (Contract period Aug. 1, 2015 – Jul. 31, 2018)

Contract goal: 30 outreach events; 2 presentations (*This goal is dependent upon the availability of the mobile van*).
Status of goal: 236 community events and 12 presentations of the MEL Promotional Marketing have been completed. In addition, 21 SBESC e-newsletter articles have been facilitated by SBCCOG staff. **Goal met**

SBCCOG continues to send multiple invitations and notices to Metro staff about future South Bay MEL events that would be of value. SBCCOG staff presented and promoted Metro's MEL program at the City of Carson’s “Calling all Cars” EV drive and ride event. Additionally, SBCCOG incorporated MEL messaging at the City of Torrance’s Rain Barrel give-away.

Travel Pal – Smart Mobility Tool (Contract period Aug. 1, 2015 – Feb. 28, 2018)

Statistics are from May 2016 – November 2017: 774 Registered Users; 13 Sub-Networks; 700 Trips Logged; 3,022 People have “Used” Travel Pal – at least once; 4,413 Total “Sessions” – actively engaging in the Travel Pal; 68% of all sessions are estimated as being “New Visitors”. The SBCCOG staff had preliminary discussions with the software vendor (Ride Amigos) about “next steps” and opportunities for continuing the project and/or other applications. SBCCOG staff and consultant are in the process of drafting the final report to Metro which will include recommendations.

II. MARKETING, OUTREACH, & IMPLEMENTATION

Workshops, Trainings & Exchanges

The following chart lists an overview of all registration events held in November 2017:

Event Date	Event Name	No. Attended/No. of RSVPs	Marketing Info. (how did they hear about the Workshop)	Staff Lead
11/27/17	Rain Barrel Distribution – Torrance (500 rain barrels distributed)	306/310	Email: 138; Flyer: 9; Friend or Family: 54; Local Publication: 37; Social Media: 50; Website: 17; Other: 5	AB, JZ

Outreach Events

- 6 community events in November; 3 scheduled in December
- 2 presentations/workshops in November; 1 workshop scheduled in December

Calendar year-to-date through November 2017:

- 62 community events
- 4 business events
- 4 employee events
- 15 presentations/workshops

Holiday Light Exchange Update

During the month of November two of three Holiday Light Exchanges were held. District 15 Holiday Light Exchange was held at Harbor City Library on November 15. In addition, the SBCCOG’s annual Holiday Light Exchange scheduled took place at the SBCCOG offices at the SBESC on Nov 30 and December 1, 2017.

Promotional media for the events included CBS Channel 2/KCAL 9, Hawthorne Cable TV and Torrance CitiCABLE. In addition to numerous postings on Facebook, and Twitter, E-blasts. A full list is below in the Media section of the staff report.

Sponsorships allowed us to purchase a total of 418 boxes for the November 15 & 30 and December 1 events. This is the largest number of boxes we have ever had. There are 70 boxes remaining. Lights are

available in the SBESC office for a limited time to allow residents that already heard about the event, but missed it to take advantage of program.

The following is a breakdown by city of lights exchanged by South Bay residents:

Carson (22), El Segundo (2), Hawthorne (9), Hermosa Beach (8), Inglewood (5), Lawndale (11), Lomita (5), Manhattan Beach (8), Palos Verdes Estates (5), Rancho Palos Verdes (38), Redondo Beach (23) Rolling Hills (2), Rolling Hills Estates (4), Torrance (135); District 15 Harbor City (11), San Pedro (16), and Wilmington (9).

Top Tweet earned 68 impressions

Our Board Chair, @TorranceCA Councilmember @KurtWeideman picking up a free #rainbarrel at West High School this past Saturday.
pic.twitter.com/VS8QEZHUXP



♥ 4

A third Holiday Light Exchange will be held December 10 for the Los Angeles County 2nd District unincorporated communities of West Athens/Westmont and Manchester/Vermont. As approval of funding came at a separate time, a separate purchase of lighting was made for this event. Details will be included in the next staff update.

2017 Sponsors include: Supervisor Mark Ridley-Thomas (\$3,200), Councilman Joe Buscaino (\$1,100), Chevron (\$1,000), Watson Land Company (\$1,000), South Bay Association of REALTORS® (\$500), 3 Leaf Realty (\$250), Continental Development (\$250, GSE Solutions (\$250), and Athens Services (\$250). Once again, Walser's of Torrance is scheduled to accept the old incandescent strands for e-waste.

Media

Social Media

- SBCCOG -- Totals for Social Media (SBCCOG) (*top tweet – right*)
 - Twitter: 97 followers total, 352 impressions* month of November
 - Facebook: 41 likes total, 268 impressions month of November
- SBESC -- Totals for Social Media (*top tweet – right*)
 - Twitter: 506 followers total, 2,500 impressions* month of November
 - Facebook: 684 likes total, 1,625 impressions month of November
 - LinkedIn: 111 followers total, 65 impressions month of November

**Impressions: the number of times a post has been viewed*

Top Tweet earned 695 impressions

#Enewsletter is out w/stories via @TorranceCA @WestBasin @SanDistricts & more: ow.ly/iil930gBvNA

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Press Releases/Press Interviews/Articles/Cable TV

“SBCCOG Announces Holiday Light Exchange,” November 27, 2017

Earned Print Media/Online Media/Cable TV

“Holiday Light Exchange,” Redondo Beach Chamber E-Newsletter, October 31, 2017

“Holiday Light Exchange,” L.A. Gateway Chamber E-Newsletter, October 31, 2017

“Holiday Light Exchange,” Hermosa Beach E-Newsletter, November 2, 2017

"Holiday Light Exchange," Joe Buscaino Live Video, November 15, 2017
"Holiday Light Exchange," Alex Padilla E-Newsletters, November 16, 22 & 30, 2017
"Holiday Light Exchange," Ralph Franklin E-blast to 400 residents, November 7 & 14, 2017
"Holiday Light Exchange," Carson Website, November 28, 2017
"Holiday Light Exchange," RPVTV Reader Board & Nextdoor, November 29, 2017
"Holiday Light Exchange," Daily Breeze On-line, November 29, 2017
"Holiday Light Exchange," City of Manhattan Beach Tweet, November 30, 2017
"Holiday Light Exchange," Assemblyman Muratsuchi Tweet, November 30, 2017
"Holiday Light Exchange," Malaga Bank Facebook, November 30, 2017
"Holiday Light Exchange," CBS Channel 2 & 9 reporter and filming, November 30, 2017
"Holiday Light Exchange," Hawthorne Cable TV reporter and filming, November 30, 2017
"Holiday Light Exchange," Torrance CitiCable reporter and filming, November 30, 2017

Volunteer Program

Status of Program: 59 hours for November 2017; 2017 thus far = 877.25 hours

Grand total as of 11/30/17: 17,609.43 (starting April 2008)

The SBCCOG held the annual Volunteer Reception on November 16 to honor our volunteers and specifically those who have provided more than 50 hours of service. The event was a great success and the volunteers expressed their thanks.