

City of Bend: Stormwater Quality Public Advisory Group-- 2015

	Last name	First Name	Organization	Representing
1	Rees van den Berg	Rachael	Bend Chamber of Commerce	Business/Industry: Large
2	Walker	Kelly	Intrepid~Think Forward	Business/Industry: Small
3	Rich	Barbara	Citizen	Citizen At Large
4	Norgang	Galen	DEA	Consulting/Engineering
5	Headley	Tom	Century-West	Consulting/Engineering
6	Palmer	Gretchen	Palmer Homes	Developers-- Excavation/Homebuilding
7	Hart-Henderson	Chris	Heart Spring Design	Developers--Landscape Architect or Design
8	Reuter	Ron	OSU Cascades	Environmental Group-- Education
9	Richter	Joanne	Upper Deschutes Watershed Council	Environmental Group-- Watershed
10	Schneider	Chelsea	Bend Park and Recreation District	Stormwater Quality Public Advisory Group
11	Cleveland	Todd	Environmental Health, Deschutes County	Intergovernmental Coordination
12	vacant		Neighborhood Association	Neighborhood Association
13	Ratliff	Krista	Oregon Department of Environmental Quality	Regulatory Liaison
14	Edde	Wendy	Stormwater Program Manager City of Bend	Stormwater Staff
15	Buchanan	David	Stormwater Program Analyst	Stormwater Staff

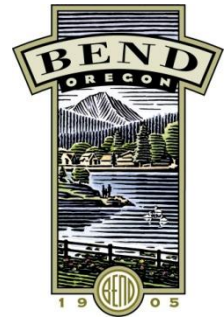
Stormwater Quality

Public Advisory Group Meeting

Wednesday, September 24, 2014

11:30 – 1:00 PM

Boyd Acres Utilities Administration Building
62975 Boyd Acres Road, Eisenhower Training Room



Proposed Agenda

- I. **Welcoming Remarks and Introductions**, All, 5-10 minutes
Objectives: Meet attendees, review the agenda; provide comments on December meeting summary. Lunch will be provided.
- II. **General Updates**, All, 10 min.
Objectives: Receive updates on past action items and the activities of the Stormwater Program since our last meeting including but not limited to the Stormwater Master Plan finalization, Stream Stewardship Day, storm drain marking, recent and upcoming trainings.
- III. **Stormwater Facility Plan Process and Draft Overview**, Wendy Robinson and Wendy Edde, 10 minutes
Objectives: Receive update on Stormwater Master Plan activities since last meeting, and an overview of the Revised Draft Stormwater Master plan.
- IV. **Stormwater Facility Plan Draft Discussion**, All, 30 minutes
Objectives: Receive comments on the Draft Stormwater Facility Plan.
- V. **Annual Report Update**, Wendy, 5 minutes
Objectives: Receive update on status of FY2013-14 Annual Report
- VI. **Roundtable Discussion**, All, 10-15 minutes
Objectives: Open discussion, sharing of ideas.
- VII. **Action Item Summary/Adjourn**, All, 5 min.
Objectives: Review action items and next steps.

City of Bend
Stormwater Quality Public Advisory Group
Meeting Attendance Sheet
September 24, 2014



Name:	Organization:	Contact Changes:
1. Galen Norgang	David Evans Associates	(None)
2. David Buchanan	COB	
3. Steve Prazak	City of Bend	
4. Todd Cleveland	Deschutes Co. CDD	
5. Joanne Richter	Upper Deschutes Watershed Council	
6. Krista Kahiff	DEQ	
7. Wendy Robinson	Growth Management	
8. Wendy Eddle		
9. CHELSEA SCHNEIDER	BPRD	
10. Chris Hart-Henderson	HS Design	
11. THOMAS HEADLEY	CENTURY WEST ENGINEERING	
12.		
13.		
14.		
15.		

Stormwater Quality Public Advisory Group Wednesday, September 24, 2014

Attending: Tom Headley (Century West Engineering); Galen Norgang (David Evans and Associates); Joanne Richter (UDWC); Krista Ratliff (DEQ); Todd Cleveland (Deschutes County CDD); Chelsea Schneider (BPRD); Chris Hart-Henderson (Heart Springs Landscape Design); David Buchanan, Wendy Edde, Steve Prazak, Wendy Robinson (City of Bend)

Key Items Discussed

- **Stormwater Master Plan Approval.** The City's first formal Stormwater Master Plan was adopted by City Council on August 6, 2014.
- **Stormwater Facility Plan Draft.** Wendy Robinson provided an overview of the public Facility Planning Process, and how that ties in with the UGB process and OAR Goal 11 requirements. Wendy Edde provided an overview of the contents of the draft Stormwater Public Facilities Plan. The Planning Commission will review the documents at its work session on October 13th, and at a Public Hearing on November 10. After that it will go to City Council for a second Public Hearing and consideration for adoption. Comments covered distinguishing urban from rural, the scope of the PFP (covering the existing UGB); its relationship with other projects such as the Galveston Street project and COCC campus developments.
- **Annual Report Update.** Wendy E. will provide a draft of the FY2013-14 annual report a week before the next meeting for Public Advisory Group review.
- **Bend Central District MMA Update.** Wendy R. provided an overview of the development of the Bend Central District multi-Modal Mixed Use Area plan. She will be providing a presentation to Council on October 15. More information is available at the website: bendcentralmma.org.

Key Decisions Made

- The three subcommittees for the UGB expansion are full but all meetings are open to the public for those who decide to attend.
- PAG members provided initial comments on the Stormwater Public Facilities Plan but will provide additional comments at or before the October 15, 2014 meeting to Wendy Edde who will share them with Wendy R. Those comments received before October 13, 2014 will be included in the presentation at the Planning Commission worksession.
- Initial comments on the Stormwater PFP were: (a) Add another column to Tables 10 and 11 to provide working names for the projects. (b) Add

another column to Tables 10 and 11 to break out the benefits. (c) Improve resolution of maps used in the document.

Key Action Items

- Wendy E. will provide the email link to the UGB webpage (<http://www.bend.or.us/index.aspx?page=613>) for those interested in following or participating in that process.
- Wendy E. will coordinate the update of the maps with Spencer Sanvitale (GIS), and will make the modifications to the table and send both to Wendy R. by October 3.
- PAG members will provide additional comments through the October 15, 2014 PAG meeting.
- Wendy E. will provide a draft FY2013-14 annual report for PAG review the week prior to the October 15 meeting.
- Wendy R. will send the draft Stormwater PFP with any modifications made by October 3 to the DLCDC on October 6.
- Wendy E. will incorporate any comments made by October 13 into her October 14 presentation to the Planning Commission.
- PAG members will review the draft annual report and provide comments at the October meeting.

Stormwater Quality

Public Advisory Group Meeting

Wednesday, October 15, 2014

11:00 AM – 12:00 PM

**Awbrey Butte Conference Room – Upstairs of City Hall
710 NW Wall Street**



Proposed Agenda

- I. **Welcoming Remarks and Introductions, All, 5-10 minutes**
Objectives: Meet attendees, review the agenda; provide comments on December meeting summary. Lunch will be provided.
- II. **General Updates, All, 10 min.**
Objectives: Receive updates on past action items and the activities of the Stormwater Program since our last meeting including but not limited to the storm drain marking, Green Industry Conference, Water Festival, recent trainings.
- III. **Stormwater Facility Plan Process and Revised Draft Overview, Wendy Robinson and Wendy Edde, All, 10-15 minutes**
Objectives: Receive update on the Stormwater Facility Plan status and take any additional comments.
- IV. **Annual Report Review Comments, All, 15 minutes**
Objectives: Receive update on status of FY2013-14 Annual Report
- V. **Roundtable Discussion, All, 10-15 minutes**
Objectives: Open discussion, sharing of ideas.
- VI. **Action Item Summary/Adjourn, All, 5 min.**
Objectives: Review action items and next steps.

Stormwater Quality

PAG

10/15/14

<u>Name</u>	<u>Representing</u>
1. Wendy Edde	City of Bend
2. Krista Ratliff	DEQ
3. Galen Norgang	David Evans & Associates
4. Duff W	City of Bend
5. Chris Hart Henderson	Heart Springs Landscape Design
6. Todd Cleveland	Deschutes County CDO
7. CHELSEA SCHNEIDER	EPD
8. Wendy Edde	

Stormwater Quality Public Advisory Group Wednesday, October 15, 2014

Attending: Galen Norgang (David Evans and Associates); Todd Cleveland (Deschutes County CDD); Chelsea Schneider (BPRD); Chris Hart-Henderson (Heart Springs Landscape Design); David Buchanan, Wendy Edde (City of Bend)

Key Items Discussed

- **Stream Stewardship Day Slideshow.** Stream Stewardship Day was held on August 23, 2014.
- **Eagle Project Storm Drain Marking Slideshow.** On September 20, 36 volunteers worked for 6 hours and marked over 800 storm drains on Awbrey Butte.
- **COBA Green Industry Conference.** City distributed 50-60 “Better Site Design Manuals” at front table for conference attendees.
- **Webinar Updates.** Wendy reported on the recent Center for Watershed Protection (CWP) webinar that the City hosted entitled “Local TMDLs and Regional/River Basin TMDLs” held October 8. The next scheduled webinar is the CWP “Retrofitting Existing Stormwater Ponds” to be held November 12, 2014 from 10-Noon in the Eisenhower Training Room.
- **Permeable Pavement.** Attendees were interested in the potential for the ASCE permeable pavement webinar. It would be more useful to include a walk to show demonstration sites or to pass around the concrete samples. PAG attendees discussed ideas to provide signs for the public to understand where permeable pavement is, potentially best accomplished with stencils or a marker; to develop a fact sheet describing local successes and lesson’s learned; to distribute Better Site Design at BPRD lobby, to develop a list of trained contractors and vendors with specific certifications, and to align the specs to provide for success.
- **Stormwater Facility Plan Draft.** Wendy distributed revised draft Stormwater Public Facilities Plan that incorporated the PAG comments from September and reported on the Planning Commission work session held on October 13th. Wendy took additional comments on the draft. Comments received pertained to the need for a header row repeat to be included on Table 10, and to consider moving the pipe detail tables to the appendix and to make the font consistent with the rest of the report. Wendy Robinson has provided a draft to the DLCD for review as well. A Public Hearing will be held at the Planning Commission meeting on November 10. After that it will go to City Council for a second Public Hearing and consideration for adoption.

- **Annual Report Comments.** Chris recommended to fix a sentence with missing words under the Effectiveness section on page 3-9: “The City is looking....” Attendees will provide additional comments by or before 9:30 AM on Monday October 20.
- **Roundtable.** Areas where additional guidance is needed: work to reach out to subs on construction sites who are not following code; determine and communicate how to address that often there is not enough room on site to bring in machinery and subs, and materials without disturbing areas you do not want to disturb; outreach to contractors.

Key Decisions Made / Key Action Items

- PAG members will review the September 2014 meeting summary and provide any comments to Wendy.
- Wendy will share additional comments on PFP with Wendy Robinson.
- PAG members will provide additional comments on the draft Annual Report by no later than 9:30 AM on Monday October 20th for consideration in the final.
- Wendy will look into hosting the Permeable Pavement webinar and developing additional local guidance on the topic.
- Wendy will send out a doodle poll when it is time to set the next meeting in a couple of months.

Stormwater Quality

Public Advisory Group Meeting

Tuesday, February 24, 2015

2:15 PM – 3:15 PM

Eisenhower Conference Room – City of Bend Utilities Annex

62975 Boyd Acres Road (between Empire and Brinson)

Once through the gate, take your first left up the small hill to parking lot.



Proposed Agenda

- I. **Welcoming Remarks and Introductions**, All, 10 minutes
Objectives: Meet new members, review the agenda; provide comments on October meeting summary.
- II. **General Updates**, All, 10 min.
Objectives: Receive updates on past action items and the activities of the Stormwater Program since our last meeting including but not limited to the annual report, Public Facilities Plan, High Desert Green Industry Conference outreach, budget, stormwater rates, 12/23 train spill, storm drain marking.
- III. **Watershed Outreach Campaign/ Incentive Program**, Wendy Edde, All, 20 minutes
Objectives: Receive overview of proposed education and incentive campaign and provide input with regards to both incentive partnership program opportunities, as well as outreach clarity.
- IV. **Upcoming Topics**, All, 5-10 minutes
Objectives: Receive brief overview of additional potential partnership opportunities to combine education and outreach; credit program review timing, illicit discharge outreach.
- V. **Roundtable Discussion**, All, 5-10 minutes
Objectives: Open discussion, sharing of ideas.

Stormwater Quality Public Advisory Group Meeting

<u>Name</u>	<u>Representing</u>
1. Wendy Edde	City of Bend
2. Tom HEADLEY	CENTURY WEST ENGINEERING
3. Galen Norgandy	David Evans & Associates
4. Todd Cleveland	Deschutes County CDD
5. Gretchen Palmer	Palmer Homes
6. David Buchanan	City of Bend
7. Aaron Collett	Park & Recreation District
8. Krista Pattiff	DEQ

City of Bend

Stormwater Quality Public Advisory Group

February 24, 2015

Meeting Summary

Attending: Tom Headley (Century West), Galen Norgang (DEA), Todd Cleveland (County CDD), Gretchen Palmer (Palmer Homes), Aaron Collett (BPRD), Krista Ratliff (DEQ), David Buchanan, Wendy Edde (City of Bend)

Key Items Discussed

- Introduction of New Members. Wendy shared updates on new volunteers filling vacant positions on the PAG with regards to the large and small business categories, and the Environmental group category. There is still a position open for a Neighborhood Association.
- Program Updates. The Stormwater Annual Report and Stormwater Public Facilities Plan were completed and submitted on time in late 2014. Wendy circulated a copy of the presentation that she gave to the High Desert green Industry Conference entitled “Water Safe Landscaping” targeting landscape design, construction, and maintenance personnel and provided an update on that outreach, and separate coordination with COAR and title companies. City staff are currently preparing budgets for the next two year biennium and working on stormwater rates.
- Watershed Outreach Campaign/Incentive Program Partnership Opportunities. City staff are starting an outreach campaign to begin in April and have two runs—an April through May/June and an August-October. The first run will be purely educational and the second will entail community partners. Partnership ideas include partnering with Bend Film for a kids movie contest; working with recycled car washes, and businesses within certain categories who agree to train staff (tailgate training with sign-in). For equity purposes, all businesses within a category that qualify would be provided the choice to participate.
 - When focusing on the pollutant lead, Wendy suggested supporting efforts of proper lead paint handling. COBA has courses and could be a partner; are there others in the region offering courses: Gretchen confirmed that she is the only certifier in Deschutes County. When power washing exteriors of buildings, it is difficult for contractors to collect debris down to 5 micron filters. Harry Homeowner can do whatever he wants when priming with lead according to the law so that could be a good educational target. Lead can be ingested or inhaled. Outreach at paint stores or where pressure washers are rented or sold could be a good target. The

City is coordinating with other municipalities throughout the state to update outreach on this topic.

- The County's Household Hazardous Waste program could be a good partner, and Upper Deschutes Watershed Council and potentially Bend Park and Recreation, and local colleges.
- Green car washes (recycled).
- Fleet vehicles and those who wash them (fire trucks, enterprise rent-a-car, car dealerships, school buses).
- With regards to sediments, it is hard to get the construction industry to focus on erosion and sediment control. They do visit the COBA print shop and the Planning Center, so those both may be good advertising spots. Often the builders who are targeted for education are not on the job site—the key is getting to the subcontractors. David suggested targeting material delivery companies such as Shevlin Sand to get to landscaping subcontractors.
- Clean Water Works program. Attendees noted that a plaque or campaign decal for the Clean Water Works program would be useful for those partners to put on their windows. By providing signage, it gives the company ownership of it; brand the campaign with a logo or visual symbol. A cup in the gutter could become the symbol, keep it clean and simple, fish and water drop. A lot of sites have permits in a box...could place Clean Water Works partner decal in there with a few educational bullet points.
- Most workplaces post minimum wage employee boards and that may be a location for educational materials. Awards such as \$100 gift card or water bills could be considered. Illicit Discharge Complaints Analysis—David indicated that Illicit Discharge Complaints come in spurts—for a while it was carpet cleaners. Often its landscapers.
- Future topics. Potential future topics include credit program review, and timing of updates given the City's switching over of management and budget software; and input on illicit discharge prevention outreach.
- Roundtable Discussion. A brief overview of the City's first enforcement action under Bend Code Title 16 for illicit discharge to a storm drain along with right of way encroachment and nuisance codes was mentioned.

Key Decisions/Action Items

- Wendy will explore the partnership ideas provided by participants, especially with respect to targeted pollutants and equitable implementation.

Stormwater Quality

Public Advisory Group Meeting

Tuesday, June 30, 2015

1:00 PM – 2:45 PM

City Hall Board Room

Proposed Agenda



- I. **Welcoming Remarks and Introductions**, All, 10 minutes
Objectives: Meet new members, review the agenda; provide comments on February meeting summary.

- II. **General Updates**, All, 10-15 min.
Objectives: Receive updates on action items and activities of the Stormwater Program since our last meeting including but not limited to the budget, stormwater rates, hiring, NPDES permit reissuance, stormwater pre-campaign evaluation, school outreach program, etc.

- III. **Clean Water Works--Watershed Outreach Campaign/ Incentive Program**, Wendy Edde, All, 50-60 minutes
Objectives: Receive overview of spring portion of education and incentive campaign and provide input with regards to both incentive partnership program opportunities, as well as outreach materials.
 - a. General Overview Reminder – *Review Goals and Objectives*
 - b. Radio and Television Advertisements—*Review Existing, Discuss Fall*
 - c. Outreach Products—*Review Fact Sheets and Products, Make Recommendations*
 - d. Website (Bendoregon.gov/cleanwaterworks) – *Review Existing Layouts, Provide Input on Improvements*
 - e. Partnership Program—*Review Program and Draft Outreach*
 - f. Storm Drain Art Contest—*Review ABC Recommendations*
 - g. BendFilm Commercial Contest—*Receive Update; Provide Outreach Recommendations*
 - h. Outreach Events—*Quest at the Fest, Stream Stewardship Day, Munch 'n' Movies, Bend Film (Future Filmmakers)—Provide Input on Layout and Approaches*
 - i. Post-Campaign Evaluation—*Any specific questions want answered*

- IV. **Credit Program Discussion**, All, 10-15 minutes
Objectives: Receive brief overview of additional potential partnership opportunities to combine education and outreach; credit program review timing, illicit discharge outreach.

- V. **Roundtable Discussion**, All, 5-10 minutes
Objectives: Open discussion, sharing of ideas.

City of Bend
Stormwater Quality Public Advisory Group
Meeting Attendance Sheet
June 30, 2015



Name: Organization: Contact Changes:

1. Wendy Edle City of Bend - Stormwater
2. Chris Hart-Henderson Heart Springs Landscape Design LLC
3. Tom HEADLEY CENTURY WEST ENGINEERING
4. Krista Patuff DEQ
5. MARK SWINSTON BPRD marke@bendparksandrec.org
6. _____
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15. _____

City of Bend

Stormwater Quality Public Advisory Group

June 30, 2015

Meeting Summary

Attending: Tom Headley (Century West Engineering), Mark Ellington (BPRD), Krista Ratliff (DEQ), Chris Hart-Henderson (Heart Springs Landscape Design LLC), Wendy Edde (City of Bend)

Key Items Discussed

- Program Updates. Wendy provided updates on the passage of the new stormwater budget and rate increase from \$4/ERU to \$5/ERU, as planned to implement the Stormwater Master Plan; that DEQ's new municipal stormwater permit writer Lisa Cox is reengaging the statewide technical advisory committee to provide input on the development of the next Phase II permit which will take the place of the City's currently administratively extended permit for stormwater flowing to the river; the Utility Department's school outreach program conducted in the spring mainly to 6th graders at Miller Elementary covering water, wastewater, and stormwater components (see our City Edition segment at <https://www.youtube.com/watch?v=pOXo5ZOrlUc&index=26&list=PLufJOv4LpbfAT2WkiNy89WD-CrQ9YdFBkE> for details).
- Stormwater Pre-campaign Evaluation. Wendy went over the results of the formal pre-Clean Water Works campaign public survey of residents about stormwater that was conducted in April. The survey was conducted by Riley and Associates. One finding was that over 70% of respondents did not know what their stormwater fee is paying for, so the City developed two radio commercials specifically to help improve that understanding together with sending pollution prevention messages. (See <http://bendoregon.gov/modules/showdocument.aspx?documentid=23147> and <http://bendoregon.gov/modules/showdocument.aspx?documentid=23148>). A follow-up survey will be conducted in the fall as the initial year campaign draws to a close.
- Clean Water Works Watershed Outreach Campaign and Incentive Program. Attendees received an overview of and provided comments to improve the clean water works programs including outreach materials, radio and television advertisements, the website, draft partnership program, storm drain art contest, BendFilm Commercial Contest, and planned outreach events.
- Credit Program Discussion. Wendy provided an overview of Resolution No. 2660 (Sept. 19, 2007), and asked for attendees to start to consider recommendations for improvements.

Key Decisions/Action Items

- Public Advisory Group members recommended targeting the low hanging fruit for this campaign but future campaigns could include:
 - Landscapers, focusing on water conserving, organic, natural, pesticide-free, sediment reduction
 - Central Oregon Museum
 - Water companies, promote water conservation measures that reduce dry weather flows
 - Green Spot companies (15 or 20 categories)
 - Dental Office
 - Oil change business
 - Consider adding health to restaurants category
 - Companies focusing on fertilizers/pesticides point of purchase include Ewing, Fowler, Ace, Hardware, Wilco
- Attendees recommended that the City get a signed statement in order for the business/group to participate as a Clean Water Partner.
- PAG members recommended removing “recycled” from the criteria for car washes, and removing the criteria for participation that they have not been in the illicit discharge database in the last two years as you want to encourage those placers to do better.
- PAG members recommended that the criteria for participation is a goal not a requirement....e.g. to have x% received training.
- Attendees selected the fade to blue discount card layout as their favorite. Wendy will recommend this version for formal approval.
- Wendy to contact Gretchen Palmer/COBA with regards to pursuing lead-based paint education partnership.
- Wendy will take the results of the dot exercise to select the preferred storm drain art to the Communications Dept./ABC for consideration in selecting the winners.
- City will not pursue wheel weights at this time. But if possible, pursuing carpet cleaners and pressure washers would be good.
- Wendy will make changes to outreach pieces.