



Purchasing Division

## ADDENDUM NO. 2

**DATE:** April 20, 2017  
**FROM:** City of Grand Junction Purchasing Division  
**TO:** All Offerors  
**RE:** Persigo Wastewater Treatment Plant Raw Sewage Wet Well Rehabilitation Project  
IFB-4355-17-DH

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. The Castagra Ecodur 201 epoxy coating product is not being approved for use on this project due to warranty concerns if used with another manufacturer's cementitious coating.
2. Replace the original Bid Schedule with the updated Bid Schedule that is attached to this Addendum.
3. Replace sheet C1.0 in the construction plans with the updated sheet C1.0 that is attached to this Addendum.
4. Remove the original Appendix C and replace with the updated historical influent flows and flow equalization (FE) basin return flows that is attached to this Addendum.

The updated historical influent flows now include the In-Plant Waste Flows. The In-Plant Waste discharges into the influent flow upstream of the bar screen channels. Also included is the Daily Peak Flows and the Daily Min. Flows. All flows provided are from the years 2014, 2015, and 2016; for the months of May, June, and July.

The average daily return flows from the FE basin are provided as well in the updated Appendix C.

5. Replace Special Condition 3.3.32, Bypass Pumping, with the following:

**Bypass Pumping:** Full-time bypass pumping of the wastewater treatment plants influent flows and flow equalization (FE) basin flows is required. The Contractor will be required to provide onsite monitoring of the bypass pumping assemblies 24 hours a day, seven days a week. Contractor will be required to provide backup controls, power equipment, diesel fuel, pumps, pipe and all required equipment for continuous operations of the bypass pumping systems.

Historic influent flows from the past three years for the months of May, June, and July are provided in Appendix C.

The contractor is responsible for coring two holes into the 8-inch thick concrete floor in the Headworks Building to access the two channels downstream of the bar screens for the suction pipes. The width of each bar screen channel is 48-inches (4-ft). The City estimates that the two holes can each be 4-ft wide by 3-ft long.

The maximum water depth in the bar screen channels for the bypass pumping suction pipe shall be 5-feet. The bypass pumping contractor shall adjust the pumps flow to maintain the water depth in these bar screen channels at 5-feet or less.

The bypass pumping discharge pipes shall discharge into the west chambers of Control Structure #1 which is immediately upstream of the plants primary clarifiers. The discharge flows shall be split as evenly as possible between the two primary clarifiers.

The contractor is responsible for all calculations in properly sizing the suction and discharge pipes, and sizing the pump(s) for bypassing the sewage around the project area and for pumping the FE basin return flows.

The contractor shall account for rainfall events within the Persigo WWTP service area for sizing the pumps and pipe. These rainfall events could potentially increase the influent flows at the plant. Daily peak influent flows are provided in Appendix C. Rain events can produce up to 20 MGD instantaneous flows coming into the WWTP. These spikes in influent flow can last anywhere from 15 minutes to 1 hour. At flows higher than 20 MGD, the WWTP will divert excess flows into the flow equalization basins. The Contractor will not be compensated for increased influent flows due to a rain event. The pump design for the FE return flows does not need to account for increased flows due to a rain event.

The influent flows fluctuate throughout a 24-hour period. The plants highest influent flows typically start around 10:30 am and then the flows start to taper off around 10:00 pm. The Contractor shall maintain as close as possible a minimum total flow of 8.5 MGD going into Control Structure #1. During peak flow periods, the flows going to Control Structure #1 will be higher than 8.5 MGD. The flow shall be split as evenly as possible at Control Structure #1 so each primary clarifier is receiving close to the same amount of water.

In order to maintain a minimum flow going to Control Structure #1 of about 8.5 MGD during periods of the day when the influent flows coming into the plant drop below 8.5 MGD, the Contractor shall install a pumping assembly that will pump water from the middle FE basin back to the headworks building. This will result in increased flows being pumped up to Control Structure #1. Daily FE return flows are provided in Appendix C.

Historical flow charts at Persigo show that the FE basin returns flows supplement influent flows primarily during the period of 1:00 am to 10:00 am (9-hour period). These are the approximate times the Contractor would have to run the pump assembly for the FE return flows back to the headworks building.

The FE return flow pump assembly shall be capable of pumping at a range of 0.5 MGD up to 4 MGD during the 9-hour period given above. When the influent flows reach 8.5 MGD and higher, the FE return flow pump assembly doesn't need to be in operation.

The Contractor has a maximum of 30-calendar days for bypass pumping both influent and FE return flows.

The City will be responsible for dismantling the aluminum safety railing at Control Structure #1 and at the Headworks building so it doesn't interfere with the bypass pumping discharge piping.

6. Section 01010, Summary of Work, in the Project Manual is hereby revised for this project as follows:

Subsection 1.2, Work Covered by Contract Documents, shall include the following section:

F.1 The Contractor is responsible for removing all grit and/or debris from within the chambers and wet wells prior to hydro-demolition/waterblasting operations. Grit and debris removed from the chambers and wet wells can be disposed of in the Persigo drying beds on the west side of the Persigo property. Removal and disposal of grit, dirt, and debris will not be paid for separately, but shall be included in the total price of the Project.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,



Duane Hoff Jr., Senior Buyer  
City of Grand Junction, Colorado

# Bid Schedule: Persigo WWTP - Raw Sewage Wet Well Rehab Project

## ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	02220	Removal of Existing Liner	1.	Lump Sum	\$ _____	\$ _____
2	09985	Protective Coating	7,722.	Sq. Ft.	\$ _____	\$ _____
3	01010	Bypass Pumping (Headworks Bldg - Primary Clarifiers) (30-Calendar Days)	1.	Lump Sum	\$ _____	\$ _____
4	01010	Bypass Pumping (FE Basin Return Flows) (30-Calendar Days)	1.	Lump Sum	\$ _____	\$ _____
5	01200	Mobilization & Demobilization	1.	Lump Sum	\$ _____	\$ _____
6		<b><u>Bid Alternatives:</u></b>				
7	01200	Bypass Pumping (Additional bypass pumping as required for Foam Injection operations, if necessary) (Includes pumping both influent flows and FE Basin return flows)	5.	Day	\$ _____	\$ _____
8	03936	Foam Injection	50.	Lin. Ft.	\$ _____	\$ _____
MCR		Minor Contract Revisions	---	---	---	\$ 25,000.00
<b>Bid Amount:</b>						<b>\$ _____</b>

**Bid Amount:**

**dollars**

<b>Corrosive Barrier Liner System to be Used:</b>
<b>Contractor Name:</b>
<b>Contractor Address:</b>
<b>Contractor Phone #:</b>

## Addendum #2

\* Plant Influent Flows now include Implant Waste Flows

### YEAR 2014

#### MAY

#### JUNE

#### JULY

May Influent Flow 2014	Plant influent flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD		June Influent Flow 2014	Plant influent flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD		July Influent Flow 2014	Plant influent flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD
5/1/2014	7.42	11.57	3.94		6/1/2014	7.54	11.46	4.73		7/1/2014	7.12	11.77	3.889
5/2/2014	7.46	11.82	4.09		6/2/2014	6.66	14.48	4.75		7/2/2014	6.92	11.33	3.889
5/3/2014	7.11	10.87	4.09		6/3/2014	7.83	11.25	5.03		7/3/2014	6.87	10.82	3.991
5/4/2014	7.17	11.62	4.09		6/4/2014	7.74	11.55	4.75		7/4/2014	6.66	12.26	3.991
5/5/2014	7.51	11.55	4.28		6/5/2014	7.81	12.51	4.65		7/5/2014	6.81	13.16	4.016
5/6/2014	7.53	11.50	4.28		6/6/2014	7.70	11.90	4.56		7/6/2014	6.86	10.61	3.889
5/7/2014	7.41	11.82	4.09		6/7/2014	7.45	12.35	4.39		7/7/2014	7.26	10.66	4.067
5/8/2014	7.59	11.18	4.35		6/8/2014	7.58	12.27	4.50		7/8/2014	8.85	10.98	0.852
5/9/2014	7.58	11.52	4.22		6/9/2014	7.87	12.80	4.18		7/9/2014	6.89	11.30	4.118
5/10/2014	7.18	11.77	3.84		6/10/2014	7.81	11.55	4.53		7/10/2014	7.17	13.62	4.003
5/11/2014	10.30	16.98	5.05		6/11/2014	7.68	11.38	4.51		7/11/2014	7.19	14.10	4.156
5/12/2014	8.76	12.93	5.41		6/12/2014	7.90	12.48	4.63		7/12/2014	6.78	13.76	4.156
5/13/2014	8.11	11.72	4.79		6/13/2014	7.70	11.83	4.60		7/13/2014	6.91	14.11	4.207
5/14/2014	7.96	11.81	4.47		6/14/2014	7.35	11.45	4.37		7/14/2014	7.36	14.33	4.131
5/15/2014	11.75	12.19	4.54		6/15/2014	7.44	11.81	4.31		7/15/2014	7.29	13.99	4.156
5/16/2014	7.83	11.78	4.77		6/16/2014	7.77	11.95	4.50		7/16/2014	7.20	14.26	4.067
5/17/2014	7.54	12.46	4.18		6/17/2014	7.69	10.89	4.37		7/17/2014	7.23	14.19	4.143
5/18/2014	7.65	11.69	4.50		6/18/2014	6.81	10.47	4.04		7/18/2014	7.19	11.38	4.156
5/19/2014	7.76	11.64	4.54		6/19/2014	6.77	11.51	3.70		7/19/2014	6.95	13.92	4.003
5/20/2014	7.62	11.20	4.35		6/20/2014	6.69	11.11	3.83		7/20/2014	7.16	14.14	4.245
5/21/2014	7.83	11.77	4.50		6/21/2014	6.41	10.95	4.03		7/21/2014	7.48	14.53	4.194
5/22/2014	7.74	11.66	4.28		6/22/2014	6.60	10.64	3.88		7/22/2014	7.21	13.93	4.029
5/23/2014	7.60	11.27	4.44		6/23/2014	7.12	12.25	4.31		7/23/2014	7.08	10.89	4.194
5/24/2014	7.25	11.81	4.35		6/24/2014	6.94	11.97	4.27		7/24/2014	7.12	10.70	4.22
5/25/2014	8.03	17.37	4.28		6/25/2014	6.86	11.94	3.86		7/25/2014	7.99	16.35	4.334
5/26/2014	7.75	12.20	4.83		6/26/2014	6.80	10.30	4.16		7/26/2014	7.14	14.19	4.283
5/27/2014	8.00	11.87	4.73		6/27/2014	6.76	12.41	4.02		7/27/2014	7.32	10.88	4.385
5/28/2014	7.80	11.50	4.50		6/28/2014	6.48	12.19	3.85		7/28/2014	7.54	11.49	4.181
5/29/2014	7.80	11.43	4.54		6/29/2014	6.67	14.18	3.80		7/29/2014	10.78	26.74	---
5/30/2014	7.68	16.74	4.41		6/30/2014	7.07	10.69	3.95		7/30/2014	9.35	13.35	5.973
5/31/2014	7.54	12.01	4.51							7/31/2014	8.96	13.84	5.745
Sum =	244.25				Sum =	217.48				Sum =	230.63		
Avg. =	7.879				Avg. =	7.249				Avg. =	7.44		
Max. =	11.75	17.37			Max. =	7.90	14.48			Max. =	10.78	26.74	
Min. =	7.11		3.84		Min. =	6.41		3.70		Min. =	6.66		0.85

## Addendum #2

\* Plant Influent Flows now include Implant Waste Flows

### YEAR 2015

#### MAY

#### JUNE

#### JULY

May Influent Flow 2015	Plant influent flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD		June Influent Flow 2015	Plant influent flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD		July Influent Flow 2015	Plant influent flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD
5/1/2015	9.08	13.35	3.21		6/1/2015	9.88	13.28	3.92		7/1/2015	9.76	13.5	3.9
5/2/2015	8.54	12.68	3.43		6/2/2015	9.44	13.41	3.84		7/2/2015	9.78	11.77	4.507
5/3/2015	8.84	12.85	3.24		6/3/2015	9.26	11.66	4.16		7/3/2015	9.36	13.74	4.338
5/4/2015	9.46	12.90	3.52		6/4/2015	9.59	12.37	3.40		7/4/2015	8.71	13.18	4.278
5/5/2015	9.39	11.40	3.13		6/5/2015	9.38	11.76	3.36		7/5/2015	8.69	12.73	4.109
5/6/2015	11.22	19.53	3.56		6/6/2015	8.89	12.02	3.72		7/6/2015	9.74	12.53	4.266
5/7/2015	9.77	12.72	3.63		6/7/2015	8.73	12.18	3.62		7/7/2015	11.05	25.19	4.206
5/8/2015	9.80	13.01	3.45		6/8/2015	9.59	12.19	3.69		7/8/2015	12.19	17.66	5.423
5/9/2015	9.11	13.01	3.40		6/9/2015	9.48	11.63	3.66		7/9/2015	10.60	14.36	4.483
5/10/2015	8.94	12.95	3.34		6/10/2015	10.75	20.18	3.63		7/10/2015	9.91	12.71	5.363
5/11/2015	9.65	14.00	3.30		6/11/2015	11.90	23.40	5.71		7/11/2015	9.96	13.59	4.411
5/12/2015	10.00	13.49	3.74		6/12/2015	9.89	12.52	4.10		7/12/2015	9.69	14.04	4.844
5/13/2015	9.90	13.81	3.80		6/13/2015	9.03	11.94	4.21		7/13/2015	10.31	14.03	4.266
5/14/2015	9.85	14.12	3.80		6/14/2015	9.09	11.98	4.22		7/14/2015	10.09	16.27	4.278
5/15/2015	10.30	14.45	3.18		6/15/2015	10.81	14.54	3.76		7/15/2015	10.59	14.5	4.338
5/16/2015	9.27	14.20	3.54		6/16/2015	10.07	12.23	5.33		7/16/2015	11.02	13.77	4.278
5/17/2015	9.26	13.88	3.72		6/17/2015	9.92	13.53	4.30		7/17/2015	11.04	14.39	4.085
5/18/2015	9.39	13.88	3.82		6/18/2015	10.04	13.77	4.03		7/18/2015	9.72	13.34	4.085
5/19/2015	10.26	15.45	3.97		6/19/2015	9.41	12.89	4.06		7/19/2015	9.73	13.92	4.001
5/20/2015	9.73	13.84	3.97		6/20/2015	9.11	14.03	4.21		7/20/2015	10.18	12.53	3.724
5/21/2015	9.48	13.58	3.88		6/21/2015	9.30	13.93	4.28		7/21/2015	10.29	17.97	4.085
5/22/2015	9.87	13.91	4.21		6/22/2015	9.92	12.95	4.21		7/22/2015	10.39	14.36	5.302
5/23/2015	8.75	19.93	3.92		6/23/2015	9.90	14.09	4.24		7/23/2015	10.24	13.55	4.278
5/24/2015	8.58	13.09	3.15		6/24/2015	9.88	13.49	3.88		7/24/2015	9.87	14	4.29
5/25/2015	9.35	14.41	4.00		6/25/2015	10.03	13.63	4.11		7/25/2015	9.32	13.68	3.977
5/26/2015	9.94	13.73	3.76		6/26/2015	9.57	13.24	3.88		7/26/2015	9.46	13.27	4.049
5/27/2015	9.43	14.03	3.60		6/27/2015	8.94	13.35	3.93		7/27/2015	10.19	14.1	4.266
5/28/2015	9.63	13.89	3.80		6/28/2015	8.88	13.47	4.01		7/28/2015	9.78	14.38	3.82
5/29/2015	9.40	13.89	3.87		6/29/2015	9.57	12.32	4.07		7/29/2015	9.75	13.82	3.904
5/30/2015	8.66	13.77	4.03		6/30/2015	7.83	12.66	3.86		7/30/2015	9.88	13.49	3.82
5/31/2015	8.78	13.22	3.86							7/31/2015	9.67	14	3.88
Sum =	293.61				Sum =	288.07				Sum =	310.94		
Avg. =	9.471				Avg. =	9.602				Avg. =	10.030		
Max. =	11.22	19.93			Max. =	11.90	23.40			Max. =	12.19	25.19	
Min. =	8.54		3.13		Min. =	7.83		3.36		Min. =	8.69		3.72

## Addendum #2

\* Plant Influent Flows now include Implant Waste Flows

### YEAR 2016

#### MAY

#### JUNE

#### JULY

May Influent Flow 2016	Plant Influent Flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD		June Influent Flow 2016	Plant influent flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD		July Influent Flow 2016	Plant influent flow, MGD*	Daily Peak Influent Flow, MGD	Daily Min. Influent Flow, MGD
5/1/2016	8.73	12.05	3.45		6/1/2016	9.26	13.08	3.63		7/1/2016	9.95	15.39	4.30
5/2/2016	9.32	12.43	3.28		6/2/2016	9.21	12.62	3.93		7/2/2016	9.14	17.48	4.42
5/3/2016	9.11	11.49	3.10		6/3/2016	9.08	12.08	3.63		7/3/2016	8.69	12.28	4.28
5/4/2016	9.34	13.09	3.12		6/4/2016	8.96	12.08	3.37		7/4/2016	8.81	12.64	4.21
5/5/2016	8.45	18.57	---		6/5/2016	8.68	12.16	3.30		7/5/2016	9.58	12.59	4.34
5/6/2016	10.35	14.57	4.46		6/6/2016	9.18	11.96	3.75		7/6/2016	9.14	11.66	3.92
5/7/2016	10.02	15.37	4.12		6/7/2016	9.03	11.94	3.63		7/7/2016	9.21	11.48	4.03
5/8/2016	9.47	14.67	3.48		6/8/2016	9.18	11.67	3.33		7/8/2016	9.11	12.01	4.00
5/9/2016	11.79	14.43	7.36		6/9/2016	9.19	12.06	3.76		7/9/2016	8.71	13.09	4.03
5/10/2016	10.41	14.02	5.30		6/10/2016	9.32	11.54	4.24		7/10/2016	8.92	12.13	3.97
5/11/2016	9.65	13.86	3.68		6/11/2016	8.87	11.32	3.99		7/11/2016	9.36	11.75	4.29
5/12/2016	9.81	13.73	3.80		6/12/2016	8.70	11.73	3.70		7/12/2016	9.18	12.02	3.76
5/13/2016	9.55	13.77	3.69		6/13/2016	9.28	11.95	3.76		7/13/2016	9.22	11.84	3.81
5/14/2016	9.01	13.75	3.94		6/14/2016	9.33	12.14	---		7/14/2016	8.98	13.22	3.86
5/15/2016	9.34	13.53	4.00		6/15/2016	8.91	12.71	3.92		7/15/2016	9.01	11.18	3.90
5/16/2016	10.63	14.73	4.24		6/16/2016	9.41	11.90	3.92		7/16/2016	8.47	11.67	3.37
5/17/2016	9.47	12.83	3.54		6/17/2016	9.18	12.30	3.58		7/17/2016	8.78	11.73	3.69
5/18/2016	9.05	13.24	3.68		6/18/2016	8.73	12.07	3.82		7/18/2016	9.53	12.14	4.15
5/19/2016	9.00	13.33	3.75		6/19/2016	8.89	12.94	3.87		7/19/2016	10.09	11.87	4.09
5/20/2016	9.22	13.31	4.09		6/20/2016	9.59	12.77	3.69		7/20/2016	10.70	12.27	4.03
5/21/2016	8.94	14.03	3.90		6/21/2016	9.34	12.32	3.87		7/21/2016	9.98	11.59	3.75
5/22/2016	8.88	13.56	3.88		6/22/2016	9.43	11.78	3.74		7/22/2016	9.87	12.24	3.84
5/23/2016	9.40	13.57	3.60		6/23/2016	9.26	11.89	4.15		7/23/2016	9.42	12.61	3.74
5/24/2016	9.19	13.10	3.01		6/24/2016	9.15	11.99	4.22		7/24/2016	9.34	12.30	3.93
5/25/2016	9.07	13.39	3.63		6/25/2016	8.78	11.96	3.74		7/25/2016	9.79	12.06	3.86
5/26/2016	9.26	13.26	3.64		6/26/2016	8.75	11.74	3.93		7/26/2016	9.43	12.71	4.05
5/27/2016	9.13	13.36	3.68		6/27/2016	9.29	12.02	4.10		7/27/2016	9.34	12.28	3.98
5/28/2016	8.48	13.35	3.30		6/28/2016	9.19	12.16	4.21		7/28/2016	9.31	12.44	3.99
5/29/2016	8.49	12.78	3.31		6/29/2016	9.56	11.45	3.82		7/29/2016	9.20	11.99	3.69
5/30/2016	8.93	13.14	3.48		6/30/2016	9.45	11.99	4.17		7/30/2016	8.78	11.64	3.62
5/31/2016	9.31	11.95	3.51							7/31/2016	8.99	11.82	3.70
Sum =	290.77				Sum =	274.17				Sum =	287.98		
Avg. =	9.38				Avg. =	9.14				Avg. =	9.290		
Max. =	11.79	18.57			Max. =	9.59	13.08			Max. =	10.70	17.48	
Min. =	8.45		3.01		Min. =	8.68		3.30		Min. =	8.47		3.37

## Addendum #2

### Daily FE Basin Return Flows, MGD

Year 2016				Year 2015				Year 2014			
Day	May	June	July	Day	May	June	July	Day	May	June	July
1	1.31	1.03	1.07	1	1.01	0.80	1.63	1	0.57	0.61	1.03
2	1.30	1.24	1.27	2	0.80	1.18	1.57	2	0.55	0.67	1.05
3	3.17	1.24	1.13	3	0.84	1.36	1.82	3	0.75	1.33	1.11
4	2.87	1.08	1.11	4	0.71	1.02	1.86	4	0.89	0.66	1.06
5	0.29	0.96	0.96	5	1.01	1.00	1.52	5	0.82	0.67	0.75
6	0.41	0.82	1.12	6	0.94	1.06	1.00	6	0.79	0.68	0.74
7	1.12	0.91	1.11	7	1.48	1.15	0.84	7	0.81	0.72	1.02
8	1.73	1.14	1.15	8	1.55	0.96	1.00	8	0.78	0.45	1.49
9	0.14	1.05	1.30	9	1.76	0.98	2.36	9	0.81	0.41	1.40
10	1.16	1.09	0.99	10	1.62	0.84	2.78	10	0.99	0.48	1.02
11	1.56	1.12	0.83	11	0.97	3.42	2.87	11	1.31	0.73	0.96
12	0.94	0.83	0.82	12	0.91	3.80	2.42	12	0.47	0.69	0.84
13	1.29	0.75	0.83	13	1.14	2.02	0.64	13	1.44	0.70	0.96
14	1.63	0.97	0.83	14	1.22	1.67	1.17	14	1.14	0.81	0.96
15	1.40	0.93	0.97	15	1.61	0.27	1.16	15	0.72	0.86	0.90
16	0.76	1.05	0.94	16	1.37	1.73	1.13	16	0.69	0.73	0.97
17	0.69	1.19	0.80	17	1.11	2.67	1.81	17	0.76	0.75	0.91
18	1.05	1.22	0.77	18	0.77	1.31	2.28	18	0.81	0.78	0.96
19	1.18	0.92	0.74	19	0.60	1.09	1.19	19	0.71	1.12	1.16
20	1.12	0.77	0.82	20	0.86	1.25	1.40	20	0.68	1.00	1.08
21	1.25	0.89	0.98	21	1.37	1.17	1.18	21	0.56	0.74	0.89
22	1.18	1.05	1.08	22	1.12	1.05	2.34	22	0.60	0.68	0.91
23	0.99	1.08	1.25	23	0.92	0.97	3.00	23	0.85	0.40	0.73
24	1.09	1.05	1.27	24	1.22	1.04	1.98	24	1.28	0.99	0.71
25	1.09	1.28	0.98	25	0.73	1.00	0.98	25	0.92	1.03	0.93
26	1.06	1.32	1.03	26	0.95	1.02	1.91	26	0.76	1.03	1.68
27	1.08	1.08	0.74	27	1.22	1.22	2.75	27	0.54	1.03	1.52
28	1.24	1.03	1.23	28	1.11	0.83	1.37	28	0.72	0.93	0.16
29	1.14	1.05	1.17	29	1.17	1.08	0.76	29	0.73	0.94	0.68
30	0.75	1.06	1.40	30	1.01	0.62	1.34	30	1.09	0.83	1.65
31	0.79		1.34	31	0.92		2.02	31	0.45		0.95
Avg. =	1.19	1.04	1.03	Avg. =	1.10	1.32	1.68	Avg. =	0.81	0.78	1.01
Min. =	0.14	0.75	0.74	Min. =	0.60	0.27	0.64	Min. =	0.45	0.40	0.16
Max. =	3.17	1.32	1.40	Max. =	1.76	3.80	3.00	Max. =	1.44	1.33	1.68



