Figure 1. Round 2 HPR 1 and 2
December 15, 2015

HPR 1: Garst Road, east of Norsemann Drive near Terminal Reservoir

Note:
- Error bars indicate a ±5 psi differential.

HPR 2: La Loma Avenue, west of Buena Vista

Note:
- Error bars indicate a ±5 psi differential.
Figure 2. Round 2 HPR 6 and 9
December 15, 2015

**HPR 6: Oakdale Road, south of Surrey Avenue along west side of Oakdale Road**

Note:
- Error bars indicate a ±5 psi differential.

**HPR 9: Needam Avenue, between Nellie & College Avenues**

Note:
- Error bars indicate a ±5 psi differential.
Figure 3. Round 2 HPR 10 and 11
December 15, 2015

HPR 10: Sutter Avenue, south of Western Way

Note:
- Error bars indicate a ±5 psi differential.

HPR 10: Sutter Avenue, south of Western Way

HPR 11: West Hatch Road, east of South Carpenter Road

Note:
- Error bars indicate a ±5 psi differential.
Figure 4. Round 2 HPR 21 and 22
December 15, 2015

HPR 21: Yosemite Boulevard, east of Sabbie Street

Note:
- Error bars indicate a ±5 psi differential.

HPR 22: Ardia Avenue, between Redfield Avenue & Creekwood Drive

Note:
- Error bars indicate a ±5 psi differential.
Figure 5. Round 2 HPR 23 and 24
December 15, 2015

HPR 23: Mitchell Road, between Finch Road & South Riverside Drive

Note:
- Error bars indicate a ±5 psi differential.

HPR 24: North Conejo Avenue, at the intersection of Julian Avenue

Note:
- Error bars indicate a ±5 psi differential.
Figure 6. Round 2 HPR 25 and 26
December 15, 2015

HPR 25: Hillside Drive, at the intersection of Tioga Drive

Note:
- Error bars indicate a ±5 psi differential.

HPR 26: Aurora Street, south east of Herndon Road

Note:
- Error bars indicate a ±5 psi differential.
Figure 7. Round 2 HPR 27 and 28
December 15, 2015

HPR 27: Midway Avenue, south of Watson Avenue along east side of Midway

Note:
- Error bars indicate a ±5 psi differential.

HPR 28: Dallas Street, at the intersection of Butte Avenue

Note:
- Error bars indicate a ±5 psi differential.
Figure 8. MID Tank Comparison
December 15, 2015

Pump Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Total Flow (gpm)

Pressure (psi)

Time (hour)

SCADA Flow  Model Simulated Flow  SCADA Discharge Pressure  Model Discharge Pressure

- Error bar for pressure is 5 psi.
Figure 9. Tank 3 Comparison
December 15, 2015

Pump Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

SCADA Flow  Model Simulated Flow  SCADA Discharge Pressure  Model Discharge Pressure

Tank Level Comparison

SCADA Tank Level  Model Simulated Tank Level  Tank Overflow Level
Figure 10. Tank 4 Comparison
December 15, 2015

Pump Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Tank Level Comparison

- Error bar for pressure is 5 psi.

City of Modesto
Water Master Plan
Figure 11. Tank 5 Comparison
December 15, 2015

Pump Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Tank Level Comparison

- SCADA Tank Level
- Model Simulated Tank Level
- Tank Overflow Level

City of Modesto
Water Master Plan
Figure 12. Tank 6 Comparison
December 15, 2015

Pump Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Tank Level Comparison

- SCADA Tank Level
- Model Simulated Tank Level
- Tank Overflow Level
Figure 13. Tank 7 Comparison
December 15, 2015

Pump Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Tank Level Comparison

SCADA Tank Level  Model Simulated Tank Level  Tank Overflow Level
Figure 14. Tank 8 Comparison
December 15, 2015

Pump Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Tank Level Comparison

SCADA Tank Level  Model Simulated Tank Level  Tank Overflow Level

City of Modesto
Water Master Plan
Figure 15. Tank 10 Comparison
December 15, 2015

Pump Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Tank Level Comparison

- Error bar for tank level is 0.5 feet.

City of Modesto
Water Master Plan
Figure 16. Tank 12 Comparison
December 15, 2015

Pump Flow and Pressure Comparison
- Error bar for pressure is 5 psi.

Tank Level Comparison

City of Modesto
Water Master Plan
Figure 17. Well 41 and 58
December 15, 2015

Well 41: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Well 58: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.
Figure 18. Well 59 and 62
December 15, 2015

Well 59: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Well 62: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.
Figure 19. Well 212 and 225
December 15, 2015

Well 212: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Well 225: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.
Figure 20. Well 247 and 291
December 15, 2015

Well 247: Flow and Pressure Comparison

- Error bar for pressure is 5 psi

Well 291: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.
Figure 21. Well 292 and 297
December 15, 2015

Well 292: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.

Well 297: Flow and Pressure Comparison

- Error bar for pressure is 5 psi.
Figure 22. Well 312
December 15, 2015

Well 312: Flow and Pressure Comparison

- Error bar for pressure is 5 psi

SCADA Flow  Model Simulated Flow  SCADA Discharge Pressure  Model Discharge Pressure