

Appendix I: List of Suggested AMI-Compatible Flowmeters

Provided on the following four pages. The CGSA has obtained estimates on AMI-Compatible Flowmeters. This list is not complete and other makes and models may be compatible with the AMI-system; contact the CGSA to inquire about additional makes and models if you have any questions. These estimates are dated, and all prices are based on the date received and may no longer be valid. Tariffs may impact these prices.

Suggested AMI-Compatible Flowmeters										
Make	Model & Specifications	Endpoint Type	Meter Type	Size (inches)	Maximum Flow (gpm)	Maximum Pressure (psi)	Estimated Unit Price	Unit Price Estimate Date	Estimate Source Note	Known Vendors
Badger	E-series with Itron cable connector	3-wire	Ultrasonic	0.75	32	175	\$263.00	1/1/2024	CVWD	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic	1	55	175	\$287.00	1/1/2024	CVWD	See APPENDIX J
Seametrics	WMPI01 DC-Powered Plastic Magmeter 1 pulse per gallon setting w/ 18' Power/Output Cable and DC Power/Output Cable, 4 pin connector (104094-006)	Pulse	Mag Meter	1	110	150	\$1,617.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Sensus	Omni C2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	1.5	160	200	\$1,506.40	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni R2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	1.5	160	200	\$962.00	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni T2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	1.5	160	200	\$1,044.00	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic	1.5	100	175	\$807.00	1/1/2024	CVWD	See APPENDIX J
Sensus	Cordonel ICF 8Wheels with Itron connector cable add on	3-wire	Ultrasonic	1.5	220	200	\$2,513.35	5/21/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni C2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	2	160	200	\$1,732.00	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni R2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	2	200	200	\$1,321.00	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni T2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	2	200	200	\$1,230.40	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic	2	160	175	\$955.00	1/1/2024	CVWD	See APPENDIX J
Sensus	Omni T2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller - Short 10" lay length	2	200	200	\$1,146.40	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Cordonel ICF 8Wheels with Itron connector cable add on	3-wire	Ultrasonic	2	220	200	\$2,821.75	5/21/2025	Aqua-Metric Sales Company	See APPENDIX J
Seametrics	WMPI01 DC-Powered Plastic Magmeter 1 pulse per gallon setting w/ 18' Power/Output Cable and DC Power/Output Cable, 4 pin connector (104094-006)	Pulse	Mag Meter	2	300	150	\$1,793.00	06/09/2025	TechnoFlo Systems	See APPENDIX J

Suggested AMI-Compatible Flowmeters

Make	Model & Specifications	Endpoint Type	Meter Type	Size (inches)	Maximum Flow (gpm)	Maximum Pressure (psi)	Estimated Unit Price	Unit Price Estimate Date	Estimate Source Note	Known Vendors
Sensus	Omni C2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	3	400	200	\$2,182.40	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni T2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	3	500	200	\$1,523.20	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic - 12" lay length	3	560	175	\$2,214.26	5/2/2025	Badger Meter Inc.	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic - 17" lay length	3	560	175	\$2,250.36	5/2/2025	Badger Meter Inc.	See APPENDIX J
Sensus	Cordonel ICF 8Wheels with Itron connector cable add on	3-wire	Ultrasonic	3	550	200	\$3,353.15	5/21/2025	Aqua-Metric Sales Company	See APPENDIX J
Seametrics	AG3000 Flanged Mag Meter – External Plug-In Cable Connectors with DC Power/Output Cable, 4 Pin Connector (20 ft) (104094-0006)	Pulse	Mag Meter	3	722	150	\$2,690.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Seametrics	WMP101 DC-Powered Plastic Magmeter 1 pulse per gallon setting w/ 18' Power/Output Cable and DC Power/Output Cable, 4 pin connector (104094-006)	Pulse	Mag Meter	3	670	150	\$2,237.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Sensus	Omni C2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	4	800	200	\$3,760.00	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni T2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	4	1000	200	\$2,926.40	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic - 14" lay length	4	1100	175	\$2,695.34	5/2/2025	Badger Meter Inc.	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic - 20" lay length	4	1100	175	\$2,731.82	5/2/2025	Badger Meter Inc.	See APPENDIX J
Sensus	Cordonel ICF 8Wheels with Itron connector cable add on	3-wire	Ultrasonic	4	881	200	\$5,300.15	5/21/2025	Aqua-Metric Sales Company	See APPENDIX J
Seametrics	AG3000 Flanged Mag Meter – External Plug-In Cable Connectors with DC Power/Output Cable, 4 Pin Connector (20 ft) (104094-0006)	Pulse	Mag Meter	4	1285	150	\$2,881.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Seametrics	AG90 Saddle Magmeter with External Plug-In Cable Connectors and DC Power/Output Cable, 4 pin connector (104094-006)	Pulse	Saddle Mag Meter	4	578	200	\$2,081.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Sensus	Omni C2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	6	1600	200	\$6,464.80	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni T2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	6	2000	200	\$5,235.20	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic - 18" lay length	6	2000	175	\$4,062.96	5/2/2025	Badger Meter Inc.	See APPENDIX J
Badger	E-series with Itron cable connector	3-wire	Ultrasonic - 24" lay length	6	2000	175	\$4,298.18	5/2/2025	Badger Meter Inc.	See APPENDIX J

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Make	Model & Specifications	Endpoint Type	Meter Type	Size (inches)	Maximum Flow (gpm)	Maximum Pressure (psi)	Estimated Unit Price	Unit Price Estimate Date	Estimate Source Note	Known Vendors
Seametrics	AG3000 Flanged Mag Meter – External Plug-In Cable Connectors with DC Power/Output Cable, 4 Pin Connector (20 ft) (104094-0006)	Pulse	Mag Meter	6	2891	150	\$3,071.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Seametrics	AG90 Saddle Magmeter with External Plug-In Cable Connectors and DC Power/Output Cable, 4 pin connector (104094-006)	Pulse	Saddle Mag Meter	6	1301	200	\$2,157.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Sensus	Omni C2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	8	2700	200	\$11,455.20	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni T2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	8	3500	200	\$9,736.80	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Seametrics	AG3000 Flanged Mag Meter – External Plug-In Cable Connectors with DC Power/Output Cable, 4 Pin Connector (20 ft) (104094-0006)	Pulse	Mag Meter	8	5140	150	\$3,501.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Seametrics	AG90 Saddle Magmeter with External Plug-In Cable Connectors and DC Power/Output Cable, 4 pin connector (104094-006)	Pulse	Saddle Mag Meter	8	2313	200	\$2,226.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Sensus	Omni C2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	10	4000	200	\$14,768.00	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Sensus	Omni T2 with Itron cable connector ICF 8 wheels resolution	3-wire	Impeller	10	5500	200	\$12,682.40	5/1/2025	Aqua-Metric Sales Company	See APPENDIX J
Seametrics	AG3000 Flanged Mag Meter – External Plug-In Cable Connectors with DC Power/Output Cable, 4 Pin Connector (20 ft) (104094-0006)	Pulse	Mag Meter	10	8031	150	\$3,954.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Seametrics	AG90 Saddle Magmeter with External Plug-In Cable Connectors and DC Power/Output Cable, 4 pin connector (104094-006)	Pulse	Saddle Mag Meter	10	3614	200	\$2,336.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Seametrics	AG3000 Flanged Mag Meter – External Plug-In Cable Connectors with DC Power/Output Cable, 4 Pin Connector (20 ft) (104094-0006)	Pulse	Mag Meter	12	11565	150	\$4,698.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Seametrics	AG90 Saddle Magmeter with External Plug-In Cable Connectors and DC Power/Output Cable, 4 pin connector (104094-006)	Pulse	Saddle Mag Meter	12	5204	200	\$2,426.00	06/09/2025	TechnoFlo Systems	See APPENDIX J
Bermad	MUT2300 Battery Operated & Zero D Requirement Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	2	137	305	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2300 Battery Operated & Zero D Requirement Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	3	346	305	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2300 Battery Operated & Zero D Requirement Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	4	550	305	TBD	TBD	TBD	See APPENDIX J

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Make	Model & Specifications	Endpoint Type	Meter Type	Size (inches)	Maximum Flow (gpm)	Maximum Pressure (psi)	Estimated Unit Price	Unit Price Estimate Date	Estimate Source Note	Known Vendors
Bermad	MUT2300 Battery Operated & Zero D Requirement Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	5	880	305	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2300 Battery Operated & Zero D Requirement Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	6	1376	305	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2300 Battery Operated & Zero D Requirement Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	8	3467	305	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2300 Battery Operated & Zero D Requirement Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	10	5503	305	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2300 Battery Operated & Zero D Requirement Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	12	5503	305	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2200 Battery Operated Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	2	TBD	TBD	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2200 Battery Operated Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	3	TBD	TBD	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2200 Battery Operated Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	4	TBD	TBD	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2200 Battery Operated Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	5	TBD	TBD	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2200 Battery Operated Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	6	TBD	TBD	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2200 Battery Operated Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	8	TBD	TBD	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2200 Battery Operated Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	10	TBD	TBD	TBD	TBD	TBD	See APPENDIX J
Bermad	MUT2200 Battery Operated Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag Meter	12	TBD	TBD	TBD	TBD	TBD	See APPENDIX J
Bermad	M10 Lightweight Composite Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag meter	2	220	250	TBD	TBD	TBD	See APPENDIX J

Suggested AMI-Compatible Flowmeters

Make	Model & Specifications	Endpoint Type	Meter Type	Size (inches)	Maximum Flow (gpm)	Maximum Pressure (psi)	Estimated Unit Price	Unit Price Estimate Date	Estimate Source Note	Known Vendors
Bermad	M10 Lightweight Composite Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag meter	3	550	250	TBD	TBD	TBD	See APPENDIX J
Bermad	M10 Lightweight Composite Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag meter	4	880	250	TBD	TBD	TBD	See APPENDIX J
Bermad	M10 Lightweight Composite Electromagnetic flowmeter with pulse output compatible with Beacon pulse endpoint	Pulse	Mag meter	6	2201	250	TBD	TBD	TBD	See APPENDIX J
Netafim	Octave	Pulse	Ultrasonic	2"-12"	5500	230	TBD	TBD	TBD	See APPENDIX J
McCrometer	Waiting on final makes/models quotes from Ryan Mahle, Inside Sales Specialist ryanma@mccrometer.com									

Appendix J: Known Meter Vendors

When data is finalized in the List of Suggested AMI-Compatible Flowmeters Appendix I, this table can be finalized.

Meter Make	Company Name*	City	Contact & E-mail	Phone
Seametrics	Coastal Pipco	Oxnard, CA	Dave Fearon or Eduardo Ramirez	805-485-0455
Seametrics	Coast Water Solutions	Oxnard, CA	Rene Garcia, Mike Meyer or Efrain Gonzalez	805-604-9800
Seametrics	RDO Equipment	Oxnard, CA	Leo or Sales	805-366-0070
Seametrics	RDO Water	Santa Maria, CA	Genesis Rojas or Brianna Freeman	805-614-7799
Seametrics	Irrigation West	Santa Maria, CA	Brian Hirase	805-354-7000
Sensus	Aqua-Metric Sales Company	Riverside, CA	Hector Gutierrez hector.gutierrez@aqua-metric.com	951-637-1400
Badger	Badger Meter	Milwaukee , WI	Danielle Carver utilitydist2@badgermeter.com	800-616-3837 Option 1
Bermad	Coast Water Solutions	Oxnard, CA	Rene Garcia, Mike Meyer or Efrain Gonzalez	805-604-9800
Bermad	CalWest Rain	Bakersfield, CA	TBD	661-589-8800
Bermad	Fruit Growers Supply	Santa Paula, CA	TBD	805-918-4374
Bermad	Coastal Pipco	Oxnard, CA	TBD	805-485-0455
McCrometer	McCrometer	Hemet, CA	ryanma@mccrometer.com	800-220-2279
Netafim	Coast Water Solutions	Oxnard. CA	Rene Garcia, Mike Meyer or Efrain Gonzalez	805-604-9800

Property owners are not limited to purchasing meters from these companies. This list is providing to assist property owners with fulfilling the requirements of this Policy and provide contact information and pricing where available.

Appendix K: Maximum Flow and Pressure for Meter Sizes

When data is finalized in the List of Suggested AMI-Compatible Flowmeters Appendix I, this table can be updated and finalized.

Meter Size (inches)	Average Maximum Flow (gpm)*	Average Maximum Pressure (psi)*	Number of Observations
0.75	32	175	1
1	83	163	2
1.5	160	195	5
2	206	189	7
3	566	179	7
4	963	186	7
6	1,965	183	6
8	3,413	188	4
10	5,286	188	4
12	8,385	175	2

This data is limited to the information pulled from meters presented in the Suggested AMI-Compatible Flowmeter Table (**APPENDIX I**). It is the owner's responsibility to determine the maximum flow and maximum pressure for their specific AMI-compatible flowmeter to ensure that it works with their system. If the meter manufacturer specifies both a maximum continuous operation flow and a maximum intermittent operation flow, the property owner must utilize the maximum continuous operation flow value to determine the maximum flow through the meter.

Appendix L: CGSA Crop Factors Used for Alternate Calculations

The historical fiscal year crop factors are reported below for FYs 2014-2024. The highest crop factor in this 10-year time period was in FY2021 for covered nurseries. This crop factor of 3.884 will be used to calculate groundwater extraction on properties that do not comply with the Policy. The crop factor will be applied to ***all irrigable areas on the parcel***, regardless of present crop type, to calculate the parcel’s total water demand for billing purposes.

Historical Fiscal Year Crop Factors						
Fiscal Year	Avocado	Cherimoyas	Covered nursery	Lawn*	Lemons	Open nursery
2014	1.921	2.373	3.334	1.5	1.481	2.126
2015	1.791	2.111	3.134	1.5	1.198	1.668
2016	1.718	2.020	2.774	1.5	1.309	1.744
2017	1.667	2.247	2.684	1.5	1.317	2.693
2018	2.263	2.674	2.800	1.5	1.350	2.227
2019	1.766	2.115	2.698	1.5	0.985	2.140
2020	1.807	3.207	3.235	1.5	1.168	2.627
2021	2.410	2.959	3.884	1.5	1.510	2.008
2022	2.633	3.561	3.378	2.963	1.918	2.137
2023	1.635	2.596	2.280	2.28	0.818	2.275
2024	1.652	1.391	3.367	2.183	0.895	2.184

*Prior to 2022 lawn (also applied to pasture, parks, and polo fields) crop factors were not calculated and were assumed to be around 1.5 acre-feet/acre for groundwater modeling. In 2022, parks and pasture areas with CVWD meters only and no private wells were selected to calculate these values. Lawn crop factors were not retroactively calculated for prior years.

Appendix M: List of Approved Flowmeter Accuracy Testing Contractors

Company Name	Contact Name	Phone Number	E-mail
Cascade Well and Pump	Frank Jiordano	805-331-7469	FRANK@CASCADEWELL.COM
CJ Precision	Chad Carter	805 342-8844	CJP805TESTING@GMAIL.COM
Henshel Pump Test LLC	Nick Henschel	817-988-6835	HPPUMPTESTING@GMAIL.COM
JPR Systems	Stefani Tomatis	415-737-5088	STEFANI.TOMATIS@JPRSYSTEMS.COM
McCall's Meters	Trent	951-654-5158	TRENT@MCCALLSMETERS.COM
Coast Water Solutions	Mike Meyer	805-604-9800	MIKE@COASTWATERSOLUTIONS.COM

This list is not necessarily up to date and the CGSA does not recommend, endorse, or warrant the work of any individual or company listed. Not all companies may be insured. The information listed may have changed and it is the owner's responsibility to ensure that all work is done in accordance with this Policy and that the paperwork is completed, signed, and legible. If the owner finds a different company, they may contact the CGSA to obtain approval and be added to this list.

Appendix N: List of Local Companies for Flowmeter Installations

Company Name	Contact Name	Phone Number	E-mail
A & A Pump & Well Service	Angel Renteria	805-560-0292	OFFICE@AAPUMPWELL.COM
Alexander Pump Service Inc	Jenn/Bobby	805-717-1970	OFFICE@ALEXANDERPUMPSERVICE.COM
Anacapa Plumbing	Estefani Lazano: Office Manager Ryan Williams: Lead Tech Sharin Kurstin: Owner	805-570-4041	SERVICE@ANACAPAPLUMBING.COM
Cascade Well & Pump Co	Frank Jjordano	805-331-7469	FRANK@CASCADEWELL.COM
McCall & M/M an Emcor Service Mesa Energy Company	Colin Rhine	(805) 745-1126	CRHINE@EMCOR.NET
Coast Water Solutions	Mike Meyer	805-604-9800	MIKE@COASTWATERSOLUTIONS.COM

This list is not necessarily up to date and the CGSA does not recommend, endorse, or warrant the work of any individual or company listed. Not all companies may be insured. The information listed may have changed and it is the owner's responsibility to ensure that all work is done in accordance with this Policy and that the flowmeter is installed to meet flowmeter requirements. The property owner is not required to use these companies and may use alternate companies if desired or do the installation themselves. All work must be done in accordance with the manufacturer's specifications.